ECHONET Lite Web API ガイドライン
機器仕様部
Version 1.6.0

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改定履歴

日付	版	説明
2018/10/03	Ver.1.00	制定、一般公開
2019/08/21	Ver.1.1.0 draft	WG検討用
		本文フォント：MSゴシックへ変更
		表紙、目次、全体：空行指定方法変更、ヘッダライン追加などスタイル関連変更
		4.3の各項目：Propertiesなど、レベル下げ
		4.4：5章へ変更
		目次、1章、5章、機器毎：改ページ挿入
		Common Items：誤記修正
		機器仕様：ECHONET Specification APPENDIX: ECHONET 機器オブジェクト詳細規定 Release K に対応
		家庭用エアコン、電気自動車充放電器、低圧スマート電力量メータ、電気自動車充電器、拡張照明システム、コントローラ：修正
		電気温水器、住宅用太陽光発電：追記・修正
		換気扇、空気清浄器、業務用パッケージエアコン室内機、業務用パッケージエアコン室外機、電動雨戸・シャッター、電気錠、浴室暖房乾燥機、床暖房、単機能照明、冷凍冷蔵庫、クッキングヒータ、炊飯器、業務用ショーケース、業務用ショーケース向け室外機、スイッチ：新規追加
		List of Devices: last updated、Noteの列追加
		機器のDevice Description詳細全般: AIFプロパティの説明削除
		バージョン番号：Ver.1.1.0へ変更
		本書名称：「Appendix」を「ガイドライン（機器仕様部）」へ変更
2019/11/05	Ver.1.1.0	制定、一般公開
2020/02/14	Ver.1.1.1 draft	WG検討用
		電気温水器：surplusPowerPredictionの"note"位置修正
		冷蔵庫：maximumAllowableTemperatureLevelの"note"位置修正
		電動雨戸・シャッター：oneTimeClosingSpeedのEPCを"0xEE"から"0xEF"へ修正
		浴室暖房乾燥機： 表にて、coolAirCircuration を coolAirCirculationへ修正
		住宅用太陽光発電：idNumberを削除
		高圧スマート電力量メータ：notesのja,en内容を一部修正

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		5章 List of devicesのnote更新
		3章 null型を追加
2020/03/27	Ver.1.1.1	制定、一般公開
2020/07/29	Ver.1.2.0 draft	WG検討用
		Appendix Release M に対応
		ハイブリッド給湯機、洗濯乾燥機：新規追加
		電気温水器：waterHeatingShiftTime1、waterHeatingShiftTime2修正
		瞬間式給湯器：targetSuppliedWaterTemperature、targetBathWaterTemperature追加
		浴室暖房乾燥機：operationSetting、onTimerReservation2修正
		住宅用太陽光発電：instantaneousElectricPowerGenerationの誤記訂正
		床暖房：maximumTargetTemperature2の追加
		蓄電池：chargingMethod、dischargingMethodならび関連プロパティ4種追加
		電気自動車充電器・充放電器：補足追記
		低圧スマート電力量メータ、高圧スマート電力量メータ：maximum、multipleOfについての説明追加
		コントローラ：deviseListにおけるEPC(EL)部の誤記訂正（C5を削除）
		Common Items：manufacturerにおけるdescriptions部の誤記訂正
		洗濯乾燥機：oneOf表記の統一
		全JSON部の整形
2020/09/25	Ver.1.2.0	制定、一般公開
2021/03/12	Ver.1.3.0 draft	WG検討用
		（既製品登録のある機器に対象拡大）
		温度センサ、電力量センサ、電流値センサ、冷温水熱源機、電力量メータ、分電盤メータリング、空調換気扇、テレビ：新規追加
		全機器：オプションプロパティ含む全プロパティを考慮しプロパティ・リソースを定義（但しWeb API化により不要なものは除く）
		電動雨戸・シャッター、住宅用太陽光発電、業務用ショーケース、業務用ショーケース向け室外機、クッキングヒータ、床暖房、電気自動車充電器・充放電器、蓄電池、低圧スマート電力量メータ、高圧スマート電力量メータ、空気清浄器、業務用パッケージエアコン室外機、冷凍冷蔵庫、換気扇、電気温水器、拡張照明システム、ハイブリッド給湯機：プロパティ・リソース名/EDT値を一部追記・変更

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		業務用パッケージエアコン室内機、家庭用エアコン、燃料電池、一般照明、瞬間式給湯器：プロパティ・リソース名/EDT値を一部追加
		全機器：properties, actions内各リソースを（基本的に）EPC順にソーティング
		3.2 timeの表記例をRFC3339準拠の形式へ修正
		3.3 multipleOf省略時に単位を1とする旨削除
		低圧スマート電力量メータ、高圧スマート電力量メータ、分電盤メータリング：querySchemaをurlParametersへ変更
2021/06/25	Ver.1.3.0	制定、一般公開
2022/04/22	Ver.1.4.0 draft	WG検討用
		Appendix Release P（rev.1）に対応
		風呂沸き上がりセンサ、CO2センサ、非常ボタン、ガスメータ、人体検知センサ、湿度センサ、照度センサ、照明システム、スマート電力量サブメータ、VOCセンサ、水流量メータ：新規追加
		3.3 number：coefficient説明追加
		3.4 null：廃止
		4.2 参照ガイドライン先変更(2点)
		電力量メータ、洗濯乾燥機、テレビ、スイッチ、蓄電池、冷凍冷蔵庫、住宅用太陽光発電、分電盤メータリング、低圧スマート電力量メータ、高圧スマート電力量メータ、一般照明、燃料電池、床暖房、拡張照明システム、電気温水器、電気錠、業務用ショーケース、冷温水熱源機、瞬間式給湯器、noteやdescriptionsの一部追記・変更
		電力量メータ、分電盤メータリング、低圧スマート電力量メータ、高圧スマート電力量メータ：一部のschemaにてmaximum、multipleOfを削除
		低圧スマート電力量メータ：reverseDirectionCumulativeElectricEnergyEvery30Minをreverse DirectionCumulativeElectricEnergyEveryAt30Minへ修正
		燃料電池：inHouseCumulativePowerConsumption、cumulativePowerGenerationOutputReset、inHouseCumulativePowerConsumptionReset、を各々inHouseCumulativeEnergyConsumption、cumulativeEnergyGenerationOutputReset、inHouseCumulativeEnergyConsumptionReset、へ名称変更
		床暖房：measuredFloorTemperatureの値undefineをundefinedへ修正
		電気自動車充放電器：equipmentTypeの値dc_ff_chargedDischargeをdc_ff_chargedischargeへ修正、operationModeにchargingDischarging、preparation、automatic追加、chargingMethod、dischargingMethod、purchasingElectricPower、reInterconnectionPermission、chargingDischargingElectricPower、maintenanceStatusの各プロパティリソースを追加
		電流値センサ：電流センサへ名称修正

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		クッキングヒータ：relativeTimeOfOffTimer、heatingTemperature、heatingPowerの設定なし時のedt値修正、heatingPowerのproperties内における表記形態変更
		空調換気扇：ventilationModeAuto追加、humidityにおいて値unmeasurableを追加
		拡張照明システム、住宅用太陽光発電、蓄電池：値notSetをnoSettingへ統一
		一般照明、単機能照明、拡張照明システム：brightnessをlightLevelへ変更
		一般照明：lightColorに値undefinedを追記、lightLevelStepForNightLightingとしてepcが0xBAの内容を追記し、epcが0xBBの内容をlightColorForMainLightingと修正
		List of Devices の表にて補足説明のある機器についてマークを追記
2022/05/27	Ver.1.4.0	制定、一般公開
2022/06/15	Ver.1.4.1 draft	WG検討用
		共通項目、冷温水熱源機、瞬間式給湯器：プロパティ・リソース名を一部追記・変更
		業務用パッケージエアコン室内機・室外機、照明システム・拡張照明システム：一部プロパティ値をnoneからnoSettingへ統一
		家庭用エアコン：onTimerReservation、offTimerReservation 内のvalues追記
2022/07/13	Ver.1.4.1	制定、一般公開
2023/01/30	Ver.1.5.0 draft	WG検討用
		Appendix Release Q (rev.1) に対応
		分散型電源電力量メータ：新規追加
		Common Items：積算消費電力を積算消費電力量へ数点誤記修正
		電気自動車充放電器：workingOperationStatusを追加
		水流量メータ：cumulativeFlowingWaterLog2を追加
2023/04/28	Ver.1.5.0	制定、一般公開
2024/05/23	Ver.1.6.0 draft	WG検討用
		Appendix Release R (rev.2) に対応
		防犯センサ、電動ブラインド・日よけ、双方向対応高圧スマート電力量メータ、マルチ入力PCS、周波数制御：新規追加
		電動雨戸・シャッター：faultDescriptionの値をenumにて追記
		電気自動車充電器：equipmentTypeの値ac_no_communicationを追加
		電気自動車充放電器：workingOperationStatusをactualOperationModeへ名称変更

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		低圧スマート電力量メータ：routeBId、cumulativeElectricEnergyAtEveryMinute、cumulativeElectricEnergyLog3の各プロパティリソースおよびnoteを追加
		スーパークラス：faultDescriptionの値をenumにて追加、manufacturerのdescriptions変更
		分散型電源電力量メータ：currentDate削除、積算電力量計測値の桁数を8桁から9桁に修正(v.1.5.0 errata反映)
2023/07/26	Ver.1.6.0	制定、一般公開

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- クッキングヒータ:cookingHeater:0x03B9
- 炊飯器:riceCooker:0x03BB
- 業務用ショーケース:commercialShowcase:0x03CE
- 洗濯乾燥機:washerDryer:0x03D3
- 業務用ショーケース向け室外機:commercialShowcaseOutdoorUnit:0x03D4
- スイッチ（JEM-A/HA端子対応):switch:0x05FD
- コントローラ:controller:0x05FF
- テレビ:tv:0x0602

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1. 本書の概要

このドキュメントはECHONET Lite Web APIガイドライン（API仕様部）に基づき、各機器のDevice Descriptionを記述する。Device Descriptionは主にpropertyの記述で構成されている。各propertyが扱うデータの記述にはデータの値の関するものとデータの値の説明に関するものがある。JSON Schemaを利用して前者を記述する。後者はJSON Schemaにkeywordを追加してJSON Schemaのframework内に記述する。

2. 本書の構成

各propertyが扱うデータ型に関する定義を第3章に、Device Descriptionの記述に関わる方針や全機器で共通となるproperty定義を第4章に、各機器オブジェクトに関するDevice Description例を第5章に記述する。

3. Data Types

JSON Schemaに準拠し、必要に応じてkeywordを追加する。

3.1 boolean

Format

```
{
  "type": "boolean",
  "values": [
    {
      "value": <true or false>,
      "descriptions": {
        "ja": <description in Japanese>,
        "en": <description in English>
      },
      "edt": <edt value>
    },
    ...
  ]
}
```

Keyword	Type	Required	Extention	Description
values	array	yes	yes	array of value object
value	boolean	yes	yes	true or false
descriptions.ja	string	yes	yes	description in Japanese
descriptions.en	string	yes	yes	description in English
edt	string	no	yes	EDT value in HEX

上記の表の"extention"欄はextention keywordであるか否かを示す。

Example of Schema

```
{
  "type": "boolean",
  "values": [
    {
```


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```
        "value": true,
        "descriptions": {
          "ja": "異常あり",
          "en": "Fault"
        },
        "edt": "0x41"
      },
      {
        "value": false,
        "descriptions": {
          "ja": "異常無し",
          "en": "No Fault"
        },
        "edt": "0x42"
      }
    ]
  }
```

Example of body data

```
{
  "operationStatus": true
}
```

3.2 string

Format

```
{
  "type": "string",
  "format": <keyword for format>,
  "enum": [ <string1>, <string2>, ...
  ],
  "values": [
    {
      "value": <value in string>,
      "descriptions": {
        "ja": <description in Japanese>,
        "en": <description in English>
      },
      "edt": <edt value>
    },
    ...
  ]
}
```

stringが特定の値を意味する場合は keyword "format" で指定する。指定する値は"date-time", "date", "time"である。
取りうる値を列挙する場合は keyword "enum" を使う。
enumの値を説明するkeyword "values" はbooleanで定義されたものと同じである。

Keyword	Type	Required	Extention	Description
format	string	no	no	specify data format from "date-time", "date" and "time"
enum	array	no	no	enumurate available strings

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Keyword	Type	Required	Extention	Description
values	array	yes	yes	array of value object
value	string	yes	yes	value in string
descriptions.ja	string	yes	yes	description in Japanese
descriptions.en	string	yes	yes	description in English
edt	string	no	yes	EDT value in HEX

Example of Schema

```
{
  "type": "string",
  "format": "date-time"
}
```

```
{
  "type": "string",
  "enum": [
    "normal",
    "night",
    "color"
  ],
  "values": [
    {
      "value": "normal",
      "descriptions": {
        "ja": "通常灯",
        "en": "Main Lighting"
      },
      "edt": "0x42"
    },
    {
      "value": "night",
      "descriptions": {
        "ja": "常夜灯",
        "en": "Night Lighting"
      },
      "edt": "0x43"
    },
    {
      "value": "color",
      "descriptions": {
        "ja": "カラー灯",
        "en": "Color Lighting"
      },
      "edt": "0x45"
    }
  ]
}
```

Example of body data

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```
{
  "date-time": "2017-01-24T13:15:22+09:00"
}
```

```
{
  "date": "2018-01-23"
}
```

```
{
  "time": "10:30:00+09:00"
}
```

```
{
  "operationMode": "normal"
}
```

3.3 number

Format

```
{
  "type": "number",
  "unit": <unit>,
  "minimum": <minimum number>,
  "maximum": <maximum number>,
  "multipleOf": <minimum digit>,
  "coefficient": <array of epc>
}
```

Keyword	Type	Required	Extention	Description
unit	string	no	yes	unit of the data
minimum	number	no	no	minimum value
maximum	number	no	no	maximum value
multipleOf	number	no	no	minimum step of the data
coefficient	array	no	no	array of epc to multiply

coefficientは、対象プロパティリソースの値を算出する際、関連するECHONET Liteの他EPC値（例：係数、単位）を乗算して求める場合のヒント情報として記述する。

Example of Schema

```
{
  "type": "number",
  "unit": "kWh",
```


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```
    "minimum": 0,
    "maximum": 9999.9,
    "multipleOf": 0.1,
    "coefficient": ["0xD3", "0xE1"]
  }
```

Example of body data

```
{
  "humidity": 45
},
```

```
{
  "cumulativeEnergy": 15.5
}
```

3.4 array

Format

```
{
  "type": "array",
  "minItems": <a minimum count of items in the array>,
  "maxItems": <a maximum count of items in the array>,
  "items": <data type object>
}
```

Keyword	Type	Required	Extention	Description
minItems	number	no	no	a minimum count of items in the array
maxItems	number	no	no	a maximum count of items in the array
items	object	yes	no	data type object

Example of Schema

```
{
  "type": "array",
  "minItems": 48,
  "maxItems": 48,
  "items": {
    "type": "number",
    "unit": "kWh",
    "minimum": 0,
    "maximum": 9999
  }
}
```

Example of body data

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```
{
  "powerConsumption": [
    23,
    12,
    0,
    ...
  ]
}
```

3.5 object

Format

```
{
  "type": "object",
  "properties": {
    <property name>: <data type object>,
    <property name>: <data type object>,
    ...
  }
}
```

Keyword	Type	Required	Extention	Description
properties	object	yes	no	key:property name, value:data type object

Example of Schema (General Lighting, rgb)

```
{
  "type": "object",
  "properties": {
    "red": {
      "type": "number",
      "minimum": 0,
      "maximum": 255,
      "multipleOf": 1
    },
    "green": {
      "type": "number",
      "minimum": 0,
      "maximum": 255,
      "multipleOf": 1
    },
    "blue": {
      "type": "number",
      "minimum": 0,
      "maximum": 255,
      "multipleOf": 1
    }
  }
}
```

Example of body data

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```
{
  "rgb": {
    "red": 20,
    "green": 255,
    "blue": 0
  }
}
```

Example of Schema (LV smart meter, `normalDirectionCumulativeElectricEnergyLog1`)

```
{
  "type": "object",
  "properties": {
    "day": {
      "type": "number",
      "minimum": 0,
      "maximum": 255
    },
    "energy": {
      "type": "array",
      "minItems": 48,
      "maxItems": 48,
      "items": {
        "type": "number",
        "unit": "kWh"
      }
    }
  }
}
```

Example of body data

```
{
  "normalDirectionCumulativeElectricEnergyLog1": {
    "day": 0,
    "energy": [
      20,
      34,
      59,
      109
    ]
  }
}
```

3.6 Mixed type: oneOf

複数のData type objectからひとつを選ぶことができる場合

Format

```
{
  "oneOf": [
    <data type object>,
    <data type object>,
    ...
```


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```
    ]
  }
```

Example of Schema

```
{
  "oneOf": [
    {
      "type": "number",
      "minimum": 1,
      "maximum": 8
    },
    {
      "type": "string",
      "enum": [
        "auto"
      ],
      "values": [
        {
          "value": "auto",
          "descriptions": {
            "ja": "自動",
            "en": "Auto"
          },
          "edt": "0x41"
        }
      ]
    }
  ]
}
```

Example of body data

```
{
  "airFlowLevel": 3
}
```

もしくは

```
{
  "airFlowLevel": "auto"
}
```

4. Device Description

4.1 ネーミング指針

ECHONET Lite における機器オブジェクトのプロパティ名は機器固有の機能を表している。プロパティ名はそのままではWeb APIのインタフェース名称として利用しづらいものも存在する。また、Webサービス・アプリ開発者であっても容易に利用できるよう、ECHONETプロパティコード（EPC）の値（例：`0x80`）ではなく、`operationStatus`のような文字列を利用することが望ましい。

このようなプロパティを指定する文字列をここではプロパティ・リソース名と呼ぶ。プロパティ・リソース名はWeb APIのURIの一部となるため、わかりやすく簡潔な文字列であることが求められる。以下に、プロパティ・リソース名のネーミング指針について

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記述する。

1. ECHONET Liteのプロパティ名の英語名をlowerCamelCaseとしたものを出発点とする
2. method（GET, PUT）に続く名詞であることを意識する
3. 冗長さを省くために情報量のない単語を省略する
   例：measured, amount, value, setting
4. 意味を誤解される可能性がある場合は、必要に応じて修正する
5. 機器オブジェクト間で一貫性をもたせる
6. data typeがbooleanの場合、trueに対応するstatusをプロパティ・リソース名とする
7. 設定値と測定値が別のEPCで定義されている場合、設定値を`targetXXX`とする
   例：エアコン

```
EPC=0xB3： 温度設定値, "Set temperature value" → targetTemperature
EPC=0xBB： 室内温度計測値, "Measured value of room temperature" → roomTemperature
（ちなみに、"Set temperature value"は「温度を設定する」というメソッドに誤解されかねない）
```

4.2 搭載プロパティ方針

Device Descriptionにて提供される内容は、対象となる機器のプロパティマップに基づき用意されることを推奨とする。プロパティマップの取得手段は、事前に該当機器の仕様書を入手したり、実機器に搭載されるプロパティマップをECHONET Liteコマンドを使用してコントローラ経由でサーバが入手するなどを想定する。 入手したプロパティマップにて提供されるサービス（多くはプロパティコードEPCに対応）については、各機器に関する後述のDevice Description定義から該当するプロパティ・リソース名（properties.name）が存在する場合には、これに従い提供可能とする。
もしも該当するプロパティ・リソース名が存在しない場合は、同サービスを提供しない、もしくは、必要に応じて独自に定義した上で提供可能とする。独自に定義する名称は、ベンダ固有のサービス名称であることを判別できるよう、サービス名の先頭に識別子となる接頭語（prefix）を付加すること（ガイドラインAPI仕様部「7.5 機器情報（Device Description）の拡張に関する指針」参照）。独自に定義する別の手段として、`echoCommand`を用いることも可能とする（ガイドラインAIP仕様部本文「7.7 `echoCommand`」参照）。
なお、機器のプロパティマップが入手できない場合は、後述のDevice Description定義をそのまま使用しても良い。
クライアントのリクエストにて実機器が搭載しないサービスが呼び出された場合には、適切にエラーを応答するものとする。

機器PMでのサービス		本書DDの定義		実際のDD提供
有	x	有	=	DD定義に従う
有	x	無	=	無 or 独自定義可能
無	x	有／無	=	無

PM: プロパティマップ、DD: Device Description

各サービスにて扱う値域は、事前に実対象機器が搭載する値域（値の範囲や列挙値）を入手できる場合は、これを反映した上でDevice Descriptionの`minimum`, `maximum`, `multipleOf`, `values`, `from`, `to`などの値へ反映可能とする。値域が不明な場合は、後述のDevice Descriptionの定義内容のまま使用し、実機器からの応答によって適切にリクエストに応答するものとする。

4.3 共通項目

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全ての機器で共通なpropertyを記述する。operationStatus, faultStatusについては必須とする。共通項目で記述された内容を各デバイスでオーバーロードする場合は、その内容を各デバイス側で記述する。

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
operationStatus	GET, PUT	boolean	0x80	動作状態 Operation status	
installationLocation	GET, PUT	string	0x81	設置場所 Installation location	
protocol	GET	object	0x82	Protocol version情報 Protocol version information	
id	GET	string	0x83	識別番号 Identification number	
instantaneousElectricPowerConsumption	GET	number	0x84	瞬時消費電力計測値 Measured instantaneous power consumption	
consumedCumulativeElectricEnergy	GET	number	0x85	積算消費電力量計測値 Measured cumulative electric energy consumption	
manufacturerFaultCode	GET	string	0x86	メーカ異常コード Manufacturer's fault code	
currentLimit	GET, PUT	number	0x87	電流制限設定 Current limit setting	
faultStatus	GET	boolean	0x88	異常発生状態 Fault status	
faultDescription	GET	string	0x89	異常内容 Fault description	
manufacturer	GET	object	0x8A	メーカー Manufacturer	
businessFacilityCode	GET	string	0x8B	事業場コード Business facility code	
productCode	GET	string	0x8C	商品コード Product code	
serialNumber	GET	string	0x8D	製造番号 Serial number	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
productionDate	GET	string	0x8E	製造年月日 Production date	
powerSaving	GET, PUT	boolean	0x8F	節電動作設定 Power-saving operation setting	*1
currentDateAndTime	GET, PUT	string	0x98(0x97との組だが、0x97は省略)	現在日時 Current date and time	
powerLimit	GET, PUT	number	0x99	電力制限設定 Power limit setting	
hourMeter	GET	object	0x9A	積算運転時間 Cumulative operating time	

*1 エアコンでは必須

Installation locationの値について

設置場所はECHONET Liteでは必須プロパティであるが、本ガイドラインではオプション扱いとする。 機器設置後に適切に値を設定されないケースやクラウド上で任意の設置場所名の指定を許可するケースに対応するため、任意の文字列（string型）とする。

設置場所コードを使用する場合は、下記を参考にしても良い。また場所番号の使用は任意とするが、 場所番号が0の場合は"livingRoom"または"livingRoom0"、1-7の場合は"livingRoom1"のように、場所番号を付与する（または省略する）形式が考えられる。 下記例では、英訳版「APPENDIX Detailed Requirements for ECHONET Device objects」より、 Installation location typeから、冒頭は小文字、空白は省略して連結、「/」は「_」に置き換えるというルールのもと、 Installation location valueを生成している。

ECHONET Liteでは、設置場所を指定した機器の一括操作などが可能であるが、本ガイドラインでは対象外とする。

Installation location value	Installation location type	設置場所の種類(EL)
livingRoom	Living room	居間、リビング
diningRoom	Dining room	食堂、ダイニング
kitchen	Kitchen	台所、キッチン
bathroom	Bathroom	浴室、バス
lavatory	Lavatory	トイレ
washroom_changingRoom	Washroom/changing room	洗面所、脱衣所
passageway	Passageway	廊下
room	Room	部屋
stairway	Stairway	階段

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Installation location value	Installation location type	設置場所の種類(EL)
frontDoor	Front door	玄関
storeroom	Storeroom	納戸
garden_perimeter	Garden/perimeter	庭、外周
garage	Garage	車庫
vernanda_balcony	Veranda/balcony	ベランダ、バルコニー
notSpecified	not specified	設置場所未設定
indefinite	indefinite	設置場所未定

Device Description (Common Items)

```
{
  "deviceType": "common",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x0000",
  "descriptions": {
    "ja": "スーパークラス",
    "en": "Super class"
  },
  "properties": {
    "operationStatus": {
      "epc": "0x80",
      "descriptions": {
        "ja": "動作状態",
        "en": "Operation status"
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "ON",
              "en": "ON"
            },
            "edt": "0x30"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "OFF",
              "en": "OFF"
            },
            "edt": "0x31"
          }
        ]
      }
    },
    "installationLocation": {
      "epc": "0x81",
      "descriptions": {
```


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```
        "ja": "設置場所",
        "en": "Installation location"
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "string"
      }
    },
    "protocol": {
      "epc": "0x82",
      "descriptions": {
        "ja": "Protocol version情報",
        "en": "Protocol version information"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "type": {
            "type": "string"
          },
          "version": {
            "type": "string"
          }
        }
      },
      "note": {
        "ja": "example: type: ECHONET_Lite v1.13, version: Rel.P",
        "en": "example: type: ECHONET_Lite v1.13, version: Rel.P"
      }
    },
    "id": {
      "epc": "0x83",
      "descriptions": {
        "ja": "識別番号",
        "en": "Identification number"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string"
      }
    },
    "instantaneousElectricPowerConsumption": {
      "epc": "0x84",
      "descriptions": {
        "ja": "瞬時消費電力計測値",
        "en": "Measured instantaneous power consumption"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "W",
        "minimum": 0,
        "maximum": 65533
      }
    },
    "consumedCumulativeElectricEnergy": {
      "epc": "0x85",
      "descriptions": {
        "ja": "積算消費電力量計測値",
        "en": "Measured cumulative electric energy consumption"
```


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```
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
      "manufacturerFaultCode": {
        "epc": "0x86",
        "descriptions": {
          "ja": "メーカ異常コード",
          "en": "Manufacturer's fault code"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string"
        }
      },
      "currentLimit": {
        "epc": "0x87",
        "descriptions": {
          "ja": "電流制限設定",
          "en": "Current limit setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "faultStatus": {
        "epc": "0x88",
        "descriptions": {
          "ja": "異常発生状態",
          "en": "Fault status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "異常あり",
                "en": "Fault occurred."
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "異常なし",
                "en": "No fault has occurred."
              },
              "edt": "0x42"
            }
```


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```
          ]
        }
      },
      "faultDescription": {
        "epc": "0x89",
        "descriptions": {
          "ja": "異常内容",
          "en": "Fault description"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "noFault",
            "trunOffOrUnplug",
            "resetButton",
            "setIncorrectly",
            "supply",
            "cleaning",
            "changingBattery",
            "recoverOperationNoReuired",
            "userDefinable1",
            "abnormalEventOrSafety",
            "switch",
            "sensorSystem",
            "component",
            "controlCircuitBoard",
            "userDefinable2",
            "repairLocationUnkown",
            "fault"
          ],
          "values": [
            {
              "value": "noFault",
              "descriptions": {
                "ja": "異常なし",
                "en": "No fault"
              },
              "edt": "0x0000"
            },
            {
              "value": "trunOffOrUnplug",
              "descriptions": {
                "ja": "スイッチを切る/コンセントを抜き再操作",
                "en": "Faults that can be recovered from by turn off the power or unplug and
reoperate."
              },
              "edt": "0x0001"
            },
            {
              "value": "resetButton",
              "descriptions": {
                "ja": "リセットボタンを押し再操作",
                "en": "Faults that can be recovered from by pressing the reset button."
              },
              "edt": "0x0002"
            },
            {
              "value": "setIncorrectly",
              "descriptions": {
                "ja": "セット不良",
                "en": "Device set incorrectly"
              },
              "edt": "0x0003"
```


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```
            },
            {
              "value": "supply",
              "descriptions": {
                "ja": "補給",
                "en": "Supply"
              },
              "edt": "0x0004"
            },
            {
              "value": "cleaning",
              "descriptions": {
                "ja": "掃除（フィルタ等）",
                "en": "Cleaning (filters, etc.)"
              },
              "edt": "0x0005"
            },
            {
              "value": "changingBattery",
              "descriptions": {
                "ja": "電池交換",
                "en": "Changing the battery"
              },
              "edt": "0x0006"
            },
            {
              "value": "recoverOperationNoReuired",
              "descriptions": {
                "ja": "復帰操作不要",
                "en": "Recover operation no required"
              },
              "edt": "0x0007"
            },
            {
              "value": "userDefinable1",
              "descriptions": {
                "ja": "ユーザ定義領域1",
                "en": "User-definable domain 1"
              },
              "edt": "0x0009"
            },
            {
              "value": "abnormalEventOrSafety",
              "descriptions": {
                "ja": "異常現象／安全装置作動",
                "en": "Abnormal event or the tripping of a safety device."
              },
              "edt": "0x000a...0x0013"
            },
            {
              "value": "switch",
              "descriptions": {
                "ja": "スイッチ異常",
                "en": "Fault in a switch"
              },
              "edt": "0x0014...0x001D"
            },
            {
              "value": "sensorSystem",
              "descriptions": {
                "ja": "センサ異常",
                "en": "Fault in the sensor system"
              },
              "edt": "0x001E...0x003B"
            },
```


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```
            {
              "value": "component",
              "descriptions": {
                "ja": "機能部品異常",
                "en": "Fault in a component such as an actuator."
              },
              "edt": "0x003C...0x0059"
            },
            {
              "value": "controlCircuitBoard",
              "descriptions": {
                "ja": "制御基板異常",
                "en": "Fault in a control circuit board."
              },
              "edt": "0x005A...0x006E"
            },
            {
              "value": "userDefinable2",
              "descriptions": {
                "ja": "ユーザ定義領域2",
                "en": "User-definable domain 2"
              },
              "edt": "0x006F...0x03E8"
            },
            {
              "value": "repairLocationUnkown",
              "descriptions": {
                "ja": "修理箇所不明",
                "en": "Repair location unknown"
              },
              "edt": "0x03E9"
            },
            {
              "value": "fault",
              "descriptions": {
                "ja": "異常あり",
                "en": "Fault"
              },
              "edt": "0x03FF"
            }
          ]
        }
      },
      "manufacturer": {
        "epc": "0x8A",
        "descriptions": {
          "ja": "会員ID/メーカー",
          "en": "Manufacturer"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "code": {
              "type": "string"
            },
            "descriptions": {
              "type": "object",
              "properties": {
                "ja": {
                  "type": "string"
                },
                "en": {
                  "type": "string"
```


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```
                }
              }
            }
          }
        }
      },
      "businessFacilityCode": {
        "epc": "0x8B",
        "descriptions": {
          "ja": "事業場コード",
          "en": "Business facility code"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string"
        }
      },
      "productCode": {
        "epc": "0x8C",
        "descriptions": {
          "ja": "商品コード",
          "en": "Product code"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string"
        }
      },
      "serialNumber": {
        "epc": "0x8D",
        "descriptions": {
          "ja": "製造番号",
          "en": "Serial number"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string"
        }
      },
      "productionDate": {
        "epc": "0x8E",
        "descriptions": {
          "ja": "製造年月日",
          "en": "Production date"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "date"
        }
      },
      "powerSaving": {
        "epc": "0x8F",
        "descriptions": {
          "ja": "節電動作設定",
          "en": "Power-saving operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
```


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```
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "節電動作中",
                "en": "Power saving Operation"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "通常動作中",
                "en": "Normal Operation"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "currentDateAndTime": {
        "epc": "0x98",
        "descriptions": {
          "ja": "現在日時",
          "en": "Current date and time"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "date-time"
        },
        "note": {
          "ja": "ECHONET Lite の プロパティ EPC: 0x97 と 0x98 を組み合わせて利用",
          "en": "This property utilizes both EPC: 0x97 and 0x98."
        }
      },
      "powerLimit": {
        "epc": "0x99",
        "descriptions": {
          "ja": "電力制限設定",
          "en": "Power limit setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "hourMeter": {
        "epc": "0x9A",
        "descriptions": {
          "ja": "積算運転時間",
          "en": "Cumulative operating time"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "unit": {
              "descriptions": {
```


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```
                "ja": "積算運転時間",
                "en": "Cumulative operating time"
              },
              "type": "string",
              "enum": [
                "second",
                "minute",
                "hour",
                "day"
              ],
              "values": [
                {
                  "value": "second",
                  "descriptions": {
                    "ja": "秒",
                    "en": "second"
                  },
                  "edt": "0x41"
                },
                {
                  "value": "minute",
                  "descriptions": {
                    "ja": "分",
                    "en": "minute"
                  },
                  "edt": "0x42"
                },
                {
                  "value": "hour",
                  "descriptions": {
                    "ja": "時",
                    "en": "hour"
                  },
                  "edt": "0x43"
                },
                {
                  "value": "day",
                  "descriptions": {
                    "ja": "日",
                    "en": "day"
                  },
                  "edt": "0x44"
                }
              ]
            },
            "time": {
              "descriptions": {
                "ja": "時間",
                "en": "time"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 4294967295
            }
          }
        }
      }
    }
  }
```

5. 機器毎のDevice Description

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以下に機器毎のDevice Descriptionを記述する（EOJ順）。 Web APIでDevice DescriptionをGETすると、機器毎のDevice Descriptionが返却されるが、実際には同Device Descriptionにおけるproperties内に、前節共通項目のproperties内各種プロパティリソース（必須項目や機器搭載項目）を加えた内容にて返却される。

機器によっては補足説明が記載されている。実装時の参考にしていただきたい。

List of devices

機器名	Device Type	EOJ	last updated	補足説明	Note
防犯センサ	crimePreventionSensor	0x0002	V1.6.0		*1
非常ボタン	emergencyButton	0x0003	V1.4.0		
人体検知センサ	humanDetectionSensor	0x0007	V1.4.0		
温度センサ	temperatureSensor	0x0011	V1.3.0		
湿度センサ	humiditySensor	0x0012	V1.4.0		
風呂沸き上がりセンサ	bathHeatingStatusSensor	0x0016	V1.4.0		
CO2センサ	co2Sensor	0x001B	V1.4.0		
VOCセンサ	vocSensor	0x001D	V1.4.0		
電力量センサ	electricEnergySensor	0x0022	V1.3.0		
電流センサ	currentSensor	0x0023	V1.4.0		
照度センサ	illuminanceSensor	0x00D0	V1.4.0		
家庭用エアコン	homeAirConditioner	0x0130	V1.4.1		
換気扇	ventilationFan	0x0133	V1.3.0		
空調換気扇	airConditionerVentilationFan	0x0134	V1.4.0		
空気清浄器	airCleaner	0x0135	V1.3.0		
業務用パッケージエアコン室内機（設備用を除く）	commercialAirConditionerIndoorUnit	0x0156	V1.4.1	✓	
業務用パッケージエアコン室外機（設備用を除く）	commercialAirConditionerOutdoorUnit	0x0157	V1.4.1	✓	
電動ブラインド・日よけ	electricBlindShade	0x0260	V1.6.0		*1
電動雨戸・シャッター	electricRainDoor	0x0263	V1.6.0		*1
電気温水器	electricWaterHeater	0x026B	V1.4.0		
電気錠	electricLock	0x026F	V1.4.0		
瞬間式給湯器	instantaneousWaterHeater	0x0272	V1.4.1		
浴室暖房乾燥機	bathroomHeaterDryer	0x0273	V1.3.0		
住宅用太陽光発電	pvPowerGeneration	0x0279	V1.4.0		

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機器名	Device Type	EOJ	last updated	補足説明	Note
冷温水熱源機	coldOrHotWaterHeatSourceEquipment	0x027A	V1.4.1		
床暖房	floorHeater	0x027B	V1.4.0	✓	
燃料電池	fuelCell	0x027C	V1.4.0		
蓄電池	storageBattery	0x027D	V1.4.0	✓	
電気自動車充放電器	evChargerDischarger	0x027E	V1.6.0	✓	*1
電力量メータ	wattHourMeter	0x0280	V1.4.0	✓	
水流量メータ	waterFlowMeter	0x0281	V1.5.0		
ガスメータ	gasMeter	0x0282	V1.4.0		
分電盤メータリング	powerDistributionBoardMetering	0x0287	V1.4.0	✓	
低圧スマート電力量メータ	lvSmartElectricEnergyMeter	0x0288	V1.6.0	✓	*1
高圧スマート電力量メータ	hvSmartElectricEnergyMeter	0x028A	V1.4.0	✓	
スマート電力量サブメータ	smartElectricEnergySubMeter	0x028D	V1.4.0	✓	
分散型電源電力量メータ	drElectricEnergyMeter	0x028E	V1.6.0	✓	*1
双方向対応高圧スマート電力量メータ	bidirHvSmartElectricEnergyMeter	0x028F	V1.6.0	✓	*1
一般照明	generalLighting	0x0290	V1.4.0		
単機能照明	monoFunctionalLighting	0x0291	V1.4.0		
電気自動車充電器	evCharger	0x02A1	V1.6.0	✓	*1
照明システム	lightingSystem	0x02A3	V1.4.1		
拡張照明システム	enhancedLightingSystem	0x02A4	V1.4.1		
マルチ入力PCS	multipleInputPCS	0x02A5	V1.6.0		*1
ハイブリッド給湯機	hybridWaterHeater	0x02A6	V1.3.0		
周波数制御	frequencyRegulation	0x02A7	V1.6.0		*1
冷凍冷蔵庫	refrigerator	0x03B7	V1.4.0		
クッキングヒータ	cookingHeater	0x03B9	V1.4.0	✓	
炊飯器	riceCooker	0x03BB	V1.3.0		
業務用ショーケース	commercialShowcase	0x03CE	V1.4.0	✓	
洗濯乾燥機	washerDryer	0x03D3	V1.4.0	✓	
業務用ショーケース向け室外機	commercialShowcaseOutdoorUnit	0x03D4	V1.3.0	✓	
スイッチ（JEM-A/HA端子対応）	switch	0x05FD	V1.4.0		
コントローラ	controller	0x05FF	V1.3.0	✓	

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機器名	Device Type	EOJ	last updated	補足説明	Note
テレビ	tv	0x0602	V1.4.0		

*1 本バージョンにて対応

以降、各機器の詳細について記載する。

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防犯センサ:crimePreventionSensor:0x0002

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
thresholdLevel	GET, PUT	number	0xB0	検知閾値レベル設定 Detection threshold level	
detection	GET	boolean	0xB1	侵入発生状態 Invasion occurrence status	

Actions

Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
reset	POST	0xBF	侵入発生状態リセット設定 Invasion occurrence status resetting	

Device Description

```
{
  "deviceType": "crimePreventionSensor",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x0002",
  "descriptions": {
    "ja": "防犯センサ",
    "en": "Crime prevention sensor"
  },
  "properties": {
    "thresholdLevel": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "検知閾値レベル設定",
        "en": "Detection threshold level"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "minimum": 1,
        "maximum": 8,
        "multipleOf": 1
      }
    },
    "detection": {
      "epc": "0xB1",
      "descriptions": {
        "ja": "侵入発生状態",
        "en": "Invasion occurrence status"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
```


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```
            {
              "value": true,
              "descriptions": {
                "ja": "検知有",
                "en": "Detected"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "検知無",
                "en": "Not detected"
              },
              "edt": "0x42"
            }
          ]
        }
      }
    },
    "actions": {
      "reset": {
        "epc": "0xBF",
        "descriptions": {
          "ja": "侵入発生状態リセット設定",
          "en": "Invasion occurrence status resetting"
        },
        "schema": {}
      }
    }
  }
```


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非常ボタン:emergencyButton:0x0003

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
occurrenceOfEmergency	GET	boolean	0xB1	非常発生状態 Emergency occurrence status	

Actions

Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
reset	POST	0xBF	非常発生状態リセット設定 Emergency occurrence status resetting	

Device Description


```
{
  "deviceType": "emergencyButton",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0003",
  "descriptions": {
    "ja": "非常ボタン",
    "en": "Emergency button"
  },
  "properties": {
    "occurrenceOfEmergency": {
      "epc": "0xB1",
      "descriptions": {
        "ja": "非常発生状態",
        "en": "Emergency occurrence status"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "有",
              "en": "YES"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "無",
              "en": "NO"
            },
            "edt": "0x42"
          }
        ]
      }
```


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```
      }
    },
    "actions": {
      "reset": {
        "epc": "0xBF",
        "descriptions": {
          "ja": "非常発生状態リセット設定",
          "en": "Emergency occurrence status resetting"
        },
        "schema": {}
      }
    }
  }
```


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人体検知センサ:humanDetectionSensor:0x0007

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
thresholdLevel	GET, PUT	number	0xB0	検知閾値レベル設定 Detection threshold level	
detection	GET	boolean	0xB1	人体検知状態 Human detection status	

Device Description

```
{
  "deviceType": "humanDetectionSensor",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0007",
  "descriptions": {
    "ja": "人体検知センサ",
    "en": "Human detection sensor"
  },
  "properties": {
    "thresholdLevel": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "検知閾値レベル設定",
        "en": "Detection threshold level"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "minimum": 1,
        "maximum": 8,
        "multipleOf": 1
      }
    },
    "detection": {
      "epc": "0xB1",
      "descriptions": {
        "ja": "人体検知状態",
        "en": "Human detection status"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "検知有",
              "en": "Detected"
            },
            "edt": "0x41"
          },
```


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```
            {
              "value": false,
              "descriptions": {
                "ja": "検知無",
                "en": "Not detected"
              },
              "edt": "0x42"
            }
          ]
        }
      }
    }
  }
```


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温度センサ:temperatureSensor:0x0011

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
value	GET	number	0xE0	温度計測値 Measured temperature value	

Device Description

```
{
  "deviceType": "temperatureSensor",
  "metaData": {
    "version": "1.3.0"
  },
  "eoj": "0x0011",
  "descriptions": {
    "ja": "温度センサ",
    "en": "Temperature sensor"
  },
  "properties": {
    "value": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "温度計測値",
        "en": "Measured temperature value"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Celsius",
        "minimum": -273.2,
        "maximum": 3276.6,
        "multipleOf": 0.1
      }
    }
  }
}
```


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湿度センサ:humiditySensor:0x0012

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
value	GET	number	0xE0	相対湿度計測値 Measured value of relative humidity	

Device Description

```
{
  "deviceType": "humiditySensor",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0012",
  "descriptions": {
    "ja": "湿度センサ",
    "en": "Humidity sensor"
  },
  "properties": {
    "value": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "相対湿度計測値",
        "en": "Measured value of relative humidity"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
      }
    }
  }
}
```


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風呂沸き上がりセンサ:bathHeatingStatusSensor:0x0016

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
thresholdLevel	GET, PUT	number	0xB0	検知閾値レベル設定 Detection threshold level	
detection	GET	boolean	0xB1	風呂沸き上がり検知状態 Bath heating detection status	

Device Description


```
{
  "deviceType": "bathHeatingStatusSensor",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0016",
  "descriptions": {
    "ja": "風呂沸き上がりセンサ",
    "en": "Bath heating status sensor"
  },
  "properties": {
    "thresholdLevel": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "検知閾値レベル設定",
        "en": "Detection threshold level"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "minimum": 1,
        "maximum": 8,
        "multipleOf": 1
      }
    },
    "detection": {
      "epc": "0xB1",
      "descriptions": {
        "ja": "風呂沸き上がり検知状態",
        "en": "Bath heating detection status"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "検知有",
              "en": "Detected"
            },
            "edt": "0x41"
          },
```


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```
            {
              "value": false,
              "descriptions": {
                "ja": "検知無",
                "en": "Not detected"
              },
              "edt": "0x42"
            }
          ]
        }
      }
    }
  }
```


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CO2センサ:co2Sensor:0x001B

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
value	GET	number	0xE0	CO2濃度計測値 Measured value of CO2 concentration	

Device Description

```
{
  "deviceType": "co2Sensor",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x001B",
  "descriptions": {
    "ja": "CO2センサ",
    "en": "CO2 sensor"
  },
  "properties": {
    "value": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "CO2濃度計測値",
        "en": "Measured value of CO2 concentration"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "ppm",
        "minimum": 0,
        "maximum": 65533
      }
    }
  }
}
```


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VOCセンサ:vocSensor:0x001D

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
thresholdLevel	GET, PUT	number	0xB0	検知閾値レベル設定 Detection threshold level	
detection	GET	boolean	0xB1	VOC 検知状態 VOC detection status	
value	GET	number	0xE0	VOC 濃度計測値 Measured value of VOC concentration	

Device Description

```
{
  "deviceType": "vocSensor",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x001D",
  "descriptions": {
    "ja": "VOCセンサ",
    "en": "VOC sensor"
  },
  "properties": {
    "thresholdLevel": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "検知閾値レベル設定",
        "en": "Detection threshold level"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "minimum": 1,
        "maximum": 8,
        "multipleOf": 1
      }
    },
    "detection": {
      "epc": "0xB1",
      "descriptions": {
        "ja": "VOC 検知状態",
        "en": "VOC detection status"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
```


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```
              "descriptions": {
                "ja": "検知有",
                "en": "Detected"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "検知無",
                "en": "Not detected"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "value": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "VOC 濃度計測値",
          "en": "Measured value of VOC concentration"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "ppm",
          "minimum": 0,
          "maximum": 65533
        }
      }
    }
  }
```


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電力量センサ:electricEnergySensor:0x0022

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeElectricEnergy	GET	number	0xE0	積算電力量計測値 Cumulative amounts of electric energy	
mediumCapacitySensorValue	GET	number	0xE1	中容量センサ瞬時電力値計測値 Medium-capacity sensor instantaneous electric energy	
smallCapacitySensorValue	GET	number	0xE2	小容量センサ瞬時電力値計測値 Small-capacity sensor instantaneous electric energy	
largeCapacitySensorValue	GET	number	0xE3	大容量センサ瞬時電力値計測値 Large-capacity sensor instantaneous electric energy	
log	GET	array	0xE4	積算電力量計測履歴情報 Cumulative amounts of electric energy measurement log	
effectiveVoltageValue	GET	number	0xE5	実効電圧値計測値 Effective voltage value	

Device Description


```
{
  "deviceType": "electricEnergySensor",
  "metaData": {
    "version": "1.3.0"
  },
  "eoj": "0x0022",
  "descriptions": {
    "ja": "電力量センサ",
    "en": "Electric energy sensor"
  },
  "properties": {
    "cumulativeElectricEnergy": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "積算電力量計測値",
        "en": "Cumulative amounts of electric energy"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "kWh",
        "minimum": 0,
        "maximum": 999999.999,
        "multipleOf": 0.001
```


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```
        },
        "note": {
          "ja": "オーバーフロー時は0にリセット",
          "en": "The value is reset to 0 after overflow."
        }
      },
      "mediumCapacitySensorValue": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "中容量センサ瞬時電力値計測値",
          "en": "Medium-capacity sensor instantaneous electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": -999999999,
          "maximum": 999999999
        }
      },
      "smallCapacitySensorValue": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "小容量センサ瞬時電力値計測値",
          "en": "Small-capacity sensor instantaneous electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": -3276.7,
          "maximum": 3276.6,
          "multipleOf": 0.1
        }
      },
      "largeCapacitySensorValue": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "大容量センサ瞬時電力値計測値",
          "en": "Large-capacity sensor instantaneous electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kW",
          "minimum": -3276.7,
          "maximum": 3276.6,
          "multipleOf": 0.1
        }
      },
      "log": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "積算電力量計測履歴情報",
          "en": "Cumulative amounts of electric energy measurement log"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 48,
          "maxItems": 48,
```


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```
          "items": {
            "oneOf": [
              {
                "type": "number",
                "unit": "kWh",
                "minimum": 0,
                "maximum": 999999.999,
                "multipleOf": 0.001
              },
              {
                "type": "string",
                "enum": [
                  "noData"
                ],
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0xFFFFFFFE"
                  }
                ]
              }
            ]
          }
        },
        "note": {
          "ja": "積算電力量(0.001kWh)の計測結果履歴を、30分毎データを過去24時間で示す",
          "en": "This property indicates measurement result log of cumulative amounts of electric
energy (0.001kWh) fir the past 24 hours in 30-minute sections."
        }
      },
      "effectiveVoltageValue": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "実効電圧値計測値",
          "en": "Effective voltage value"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "V",
          "minimum": 0,
          "maximum": 65533
        },
        "note": {
          "ja": "実行電圧値をVで示す。本プロパティは、計測定格電圧値として固定値で実装してもよい",
          "en": "This property indicates effective voltage value in volts. This property may be
implemeented as a fixed value of the rated voltage of measurement."
        }
      }
    }
  }
```


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電流センサ:currentSensor:0x0023

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
unsignedValue	GET	number	0xE0	電流値計測値1 Measured current value 1	
ratedVoltage	GET	number	0xE1	計測対象定格電圧値 Rated voltage to be measured	
signedValue	GET	number	0xE2	電流値計測値2 Measured current value 2	

Device Description

```
{
  "deviceType": "currentSensor",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0023",
  "descriptions": {
    "ja": "電流センサ",
    "en": "Current sensor"
  },
  "properties": {
    "unsignedValue": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "電流値計測値1",
        "en": "Measured current value 1"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "mA",
        "minimum": 0,
        "maximum": 4294967293
      }
    },
    "ratedVoltage": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "計測対象定格電圧値",
        "en": "Rated voltage to be measured"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "V",
        "minimum": 0,
        "maximum": 65533
      },
      "note": {
        "ja": "本プロパティは、固定値として実装してもよい",
```


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```
          "en": "This property may be implemented as a fixed value."
        }
      },
      "signedValue": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "電流値計測値2",
          "en": "Measured current value 2"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "mA",
          "minimum": -2147483647,
          "maximum": 2147483646
        }
      }
    }
  }
```


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照度センサ:illuminanceSensor:0x00D0

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
valueInLux	GET	number	0xE0	照度計測値1 Measured illuminance value 1	
valueInKlux	GET	number	0xE1	照度計測値2 Measured illuminance value 2	

Device Description

```
{
  "deviceType": "illuminanceSensor",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x00D0",
  "descriptions": {
    "ja": "照度センサ",
    "en": "Illuminance sensor"
  },
  "properties": {
    "valueInLux": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "照度計測値1",
        "en": "Measured illuminance value 1"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "lux",
        "minimum": 0,
        "maximum": 65533
      }
    },
    "valueInKlux": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "照度計測値2",
        "en": "Measured illuminance value 2"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "klux",
        "minimum": 0,
        "maximum": 65533
      }
    }
  }
}
```


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家庭用エアコン:homeAirConditioner:0x0130

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
onTimerReservation	GET, PUT	object	0x90	ONタイマ予約設定 ON timer-based reservation setting	
timeOfOnTimer	GET, PUT	string	0x91	ONタイマ時刻設定値 ON timer setting (time)	
relativeTimeOfOnTimer	GET, PUT	number	0x92	ONタイマ相対時間設定値 ON timer setting (relative time)	
offTimerReservation	GET, PUT	object	0x94	OFFタイマ予約設定 OFF timer-based reservation setting	
timeOfOffTimer	GET, PUT	string	0x95	OFFタイマ時刻設定値 OFF timer setting (time)	
relativeTimeOfOffTimer	GET, PUT	number	0x96	OFFタイマ相対時間設定値 OFF timer setting (relative time)	
airFlowLevel	GET, PUT	number, string	0xA0	風量設定 Air flow rate setting	
automaticControlAirFlowDirection	GET, PUT	string	0xA1	風向自動設定 Automatic control of air flow direction setting	
automaticSwingAirFlow	GET, PUT	string	0xA3	風向スイング設定 Automatic swing of air flow setting	
airFlowDirectionVertical	GET, PUT	string	0xA4	風向上下設定 Air flow direction (vertical) setting	
airFlowDirectionHorizontal	GET, PUT	string	0xA5	風向左右設定 Air flow direction (horizontal) setting	
specialState	GET	string	0xAA	特殊状態 Special state	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
nonPriorityState	GET	boolean	0xAB	非優先状態 Non-priority state	
operationMode	GET, PUT	string	0xB0	運転モード設定 Operation mode setting	
automaticTemperatureControl	GET, PUT	boolean	0xB1	温度自動設定 Automatic temperature control setting	
highspeedOperation	GET, PUT	string	0xB2	急速動作モード設定 Normal/highspeed/silent operation setting	
targetTemperature	GET, PUT	number, string	0xB3	温度設定値 Set temperature value	
relativeHumidityDehumidifying	GET, PUT	number	0xB4	除湿モード時相対湿度設定値 Set value of relative humidity in dehumidifying mode	
targetTemperatureCooling	GET, PUT	number, string	0xB5	冷房モード時温度設定値 Set temperature value in cooling mode	
targetTemperatureHeating	GET, PUT	number, string	0xB6	暖房モード時温度設定値 Set temperature value in heating mode	
targetTemperatureDehumidifying	GET, PUT	number, string	0xB7	除湿モード時温度設定値 Set temperature value in dehumidifying mode	
ratedPowerConsumption	GET	object	0xB8	定格消費電力値 Rated power consumption	
currentConsumption	GET	number	0xB9	消費電流計測値 Measured value of current consumption	
humidity	GET	number, string	0xBA	室内相対湿度計測値 Measured value of room relative humidity	
roomTemperature	GET	number, string	0xBB	室内温度計測値 Measured value of room temperature	
temperatureUserRemoteControl	GET	number	0xBC	ユーザリモコン温度設定値 Set temperature value of user remote control	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
airFlowTemperature	GET	number, string	0xBD	吹き出し温度計測値 Measured cooled air temperature	
outdoorTemperature	GET	number, string	0xBE	外気温度計測値 Measured outdoor air temperature	
relativeTemperature	GET, PUT	number, string	0xBF	相対温度設定値 Relative temperature setting	
ventilationFunction	GET, PUT	string	0xC0	換気モード設定 Ventilation function setting	
humidifierFunction	GET, PUT	string	0xC1	加湿モード設定 Humidifier function setting	
ventilationAirFlowLevel	GET, PUT	number, string	0xC2	換気風量設定 Ventilation air flow rate setting	
humidificationLevel	GET, PUT	number, string	0xC4	加湿量設定 Degree of humidification setting	
airCleaningMethod	GET	object	0xC6	搭載空気清浄方法 Mounted air cleaning method	
airPurifierFunction	GET, PUT	object	0xC7	空気清浄機能モード設定 Air purifier function setting	
airRefreshMethod	GET	object	0xC8	搭載リフレッシュ方法 Mounted air refresh method	
airRefresherFunction	GET, PUT	object	0xC9	リフレッシュ機能モード設定 Air refresher function setting	
selfCleaningMethod	GET	object	0xCA	搭載自己洗浄方法 Mounted self-cleaning method	
selfCleaningFunction	GET, PUT	object	0xCB	自己洗浄機能モード設定 Self-cleaning function setting	
specialFunction	GET, PUT	string	0xCC	特別運転モード設定 Special function setting	
componentsOperationStatus	GET	object	0xCD	内部動作状態 Operation status of components	
thermostatOverride	GET, PUT	string	0xCE	強制サーモモード設定 Thermostat setting override function	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
airPurification	GET, PUT	string	0xCF	空気清浄モード設定 Air purification mode setting	

Actions

Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
beepBuzzer	POST	0xD0	ブザー Buzzer	

Device Description

```
{
  "deviceType": "homeAirConditioner",
  "metaData": {
    "version": "1.4.1"
  },
  "eoj": "0x0130",
  "descriptions": {
    "ja": "家庭用エアコン",
    "en": "Home air conditioner"
  },
  "properties": {
    "onTimerReservation": {
      "epc": "0x90",
      "descriptions": {
        "ja": "ONタイマ予約設定",
        "en": "ON timer-based reservation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "timeBased": {
            "type": "boolean",
            "values": [
              {
                "value": true,
                "descriptions": {
                  "ja": "予約入",
                  "en": "Reservation ON"
                },
                "edt": null
              },
              {
                "value": false,
                "descriptions": {
                  "ja": "予約切",
                  "en": "Reservation OFF"
                },
                "edt": null
              }
            ]
          },
          "relativeTimeBased": {
            "type": "boolean",
```


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```
              "values": [
                {
                  "value": true,
                  "descriptions": {
                    "ja": "予約入",
                    "en": "Reservation ON"
                  },
                  "edt": null
                },
                {
                  "value": false,
                  "descriptions": {
                    "ja": "予約切",
                    "en": "Reservation OFF"
                  },
                  "edt": null
                }
              ]
            }
          }
        },
        "note": {
          "ja": "EDT: [{0x41:(時刻:ON,相対時間:ON)}, {0x42:(時刻:OFF,相対時間:OFF)}, {0x43:(時刻:ON,相対
時間:OFF)}, {0x44:(時刻:OFF,相対時間:ON)}]",
          "en": "EDT: [{0x41:(time:ON,relative time:ON)}, {0x42:(time:OFF,relative time:OFF)}, {0x43:
(time:ON,relative time:OFF)}, {0x44:(time:OFF,relative time:ON)}]"
        }
      },
      "timeOfOnTimer": {
        "epc": "0x91",
        "descriptions": {
          "ja": "ONタイマ時刻設定値",
          "en": "ON timer setting (time)"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "秒の指定は無視される",
          "en": "Number of seconds is ignored."
        }
      },
      "relativeTimeOfOnTimer": {
        "epc": "0x92",
        "descriptions": {
          "ja": "ONタイマ相対時間設定値",
          "en": "ON timer setting (relative time)"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "minute",
          "minimum": 0,
          "maximum": 15359,
          "multipleOf": 1
        }
      },
      "offTimerReservation": {
        "epc": "0x94",
        "descriptions": {
          "ja": "OFFタイマ予約設定",
```


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```
          "en": "OFF timer-based reservation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "timeBased": {
              "type": "boolean",
              "values": [
                {
                  "value": true,
                  "descriptions": {
                    "ja": "予約入",
                    "en": "Reservation ON"
                  },
                  "edt": null
                },
                {
                  "value": false,
                  "descriptions": {
                    "ja": "予約切",
                    "en": "Reservation OFF"
                  },
                  "edt": null
                }
              ]
            },
            "relativeTimeBased": {
              "type": "boolean",
              "values": [
                {
                  "value": true,
                  "descriptions": {
                    "ja": "予約入",
                    "en": "Reservation ON"
                  },
                  "edt": null
                },
                {
                  "value": false,
                  "descriptions": {
                    "ja": "予約切",
                    "en": "Reservation OFF"
                  },
                  "edt": null
                }
              ]
            }
          }
        },
        "note": {
          "ja": "EDT: [{0x41:(時刻:ON,相対時間:ON)}, {0x42:(時刻:OFF,相対時間:OFF)}, {0x43:(時刻:ON,相対
時間:OFF)}, {0x44:(時刻:OFF,相対時間:ON)}]",
          "en": "EDT: [{0x41:(time:ON,relative time:ON)}, {0x42:(time:OFF,relative time:OFF)}, {0x43:
(time:ON,relative time:OFF)}, {0x44:(time:OFF,relative time:ON)}]"
        }
      },
      "timeOfOffTimer": {
        "epc": "0x95",
        "descriptions": {
          "ja": "OFFタイマ時刻設定値",
          "en": "OFF timer setting (time)"
        },
        "writable": true,
```


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```
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "秒の指定は無視される",
          "en": "Number of seconds is ignored."
        }
      },
      "relativeTimeOfOffTimer": {
        "epc": "0x96",
        "descriptions": {
          "ja": "OFFタイマ相対時間設定値",
          "en": "OFF timer setting (relative time)"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "minute",
          "minimum": 0,
          "maximum": 15359,
          "multipleOf": 1
        }
      },
      "airFlowLevel": {
        "epc": "0xA0",
        "descriptions": {
          "ja": "風量設定",
          "en": "Air flow rate setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 8,
              "multipleOf": 1
            },
            {
              "type": "string",
              "enum": [
                "auto"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "風量自動設定",
                    "en": "Automatic air flow rate control function used."
                  },
                  "edt": "0x41"
                }
              ]
            }
          ]
        }
      },
      "automaticControlAirFlowDirection": {
        "epc": "0xA1",
        "descriptions": {
          "ja": "風向自動設定",
```


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```
          "en": "Automatic control of air flow direction setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "auto",
            "nonAuto",
            "autoVertical",
            "autoHorizontal"
          ],
          "values": [
            {
              "value": "auto",
              "descriptions": {
                "ja": "AUTO",
                "en": "Automatic"
              },
              "edt": "0x41"
            },
            {
              "value": "nonAuto",
              "descriptions": {
                "ja": "非AUTO",
                "en": "Non-automatic"
              },
              "edt": "0x42"
            },
            {
              "value": "autoVertical",
              "descriptions": {
                "ja": "上下AUTO",
                "en": "Automatic (vertical)"
              },
              "edt": "0x43"
            },
            {
              "value": "autoHorizontal",
              "descriptions": {
                "ja": "左右AUTO",
                "en": "Automatic (horizontal)"
              },
              "edt": "0x44"
            }
          ]
        }
      },
      "automaticSwingAirFlow": {
        "epc": "0xA3",
        "descriptions": {
          "ja": "風向スイング設定",
          "en": "Automatic swing of air flow setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "off",
            "vertical",
            "horizontal",
            "verticalAndHorizontal"
          ],
          "values": [
```


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```
            {
              "value": "off",
              "descriptions": {
                "ja": "OFF",
                "en": "OFF"
              },
              "edt": "0x31"
            },
            {
              "value": "vertical",
              "descriptions": {
                "ja": "上下",
                "en": "Vertical"
              },
              "edt": "0x41"
            },
            {
              "value": "horizontal",
              "descriptions": {
                "ja": "左右",
                "en": "Horizontal"
              },
              "edt": "0x42"
            },
            {
              "value": "verticalAndHorizontal",
              "descriptions": {
                "ja": "上下左右",
                "en": "Vertical and Horizontal"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "airFlowDirectionVertical": {
        "epc": "0xA4",
        "descriptions": {
          "ja": "風向上下設定",
          "en": "Air flow direction (vertical) setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "uppermost",
            "lowermost",
            "central",
            "upperCenter",
            "lowerCenter"
          ],
          "values": [
            {
              "value": "uppermost",
              "descriptions": {
                "ja": "上",
                "en": "Uppermost"
              },
              "edt": "0x41"
            },
            {
              "value": "lowermost",
              "descriptions": {
                "ja": "下",
```


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```
                "en": "Lowermost"
              },
              "edt": "0x42"
            },
            {
              "value": "central",
              "descriptions": {
                "ja": "中央",
                "en": "Central"
              },
              "edt": "0x43"
            },
            {
              "value": "upperCenter",
              "descriptions": {
                "ja": "上中",
                "en": "Midpoint between uppermost and central"
              },
              "edt": "0x44"
            },
            {
              "value": "lowerCenter",
              "descriptions": {
                "ja": "下中",
                "en": "Midpoint between lowermost and central"
              },
              "edt": "0x45"
            }
          ]
        }
      },
      "airFlowDirectionHorizontal": {
        "epc": "0xA5",
        "descriptions": {
          "ja": "風向左右設定",
          "en": "Air flow direction (horizontal) setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "rc_r",
            "l_lc",
            "lc_c_rc",
            "l_lc_rc_r",
            "r",
            "rc",
            "c",
            "c_r",
            "c_rc",
            "c_rc_r",
            "lc",
            "lc_r",
            "lc_rc",
            "lc_rc_r",
            "lc_c",
            "lc_c_r",
            "lc_c_rc_r",
            "l",
            "l_r",
            "l_rc",
            "l_rc_r",
            "l_c",
            "l_c_r",
```


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```
            "l_c_rc",
            "l_c_rc_r",
            "l_lc_r",
            "l_lc_rc",
            "l_lc_c",
            "l_lc_c_r",
            "l_lc_c_rc",
            "l_lc_c_rc_r"
          ],
          "values": [
            {
              "value": "rc_r",
              "descriptions": {
                "ja": "右中・右",
                "en": "Right center and Right"
              },
              "edt": "0x41"
            },
            {
              "value": "l_lc",
              "descriptions": {
                "ja": "左・左中",
                "en": "Left and Left center"
              },
              "edt": "0x42"
            },
            {
              "value": "lc_c_rc",
              "descriptions": {
                "ja": "左中・中・右中",
                "en": "Left center, Center and Right center"
              },
              "edt": "0x43"
            },
            {
              "value": "l_lc_rc_r",
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                "ja": "左・左中・右中・右",
                "en": "Left, Left center, Right center and Right"
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              "edt": "0x44"
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                "en": "Right"
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              "edt": "0x51"
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              "descriptions": {
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                "en": "Right center"
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              "edt": "0x52"
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              "value": "c",
              "descriptions": {
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                "en": "Center"
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              "value": "c_r",
              "descriptions": {
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                "en": "Center and right"
              },
              "edt": "0x55"
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                "en": "Center, Right center and Right"
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                "en": "Left center"
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              "edt": "0x58"
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              "descriptions": {
                "ja": "左中・右",
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              "edt": "0x59"
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                "en": "Left center and Center"
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              "edt": "0x5D"
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                "en": "Left center, Center, Right center and Right"
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              "descriptions": {
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                "en": "Left"
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              "edt": "0x60"
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              "descriptions": {
                "ja": "左・右",
                "en": "Left and Right"
              },
              "edt": "0x61"
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                "en": "Left and Right center"
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              "edt": "0x62"
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                "en": "Left, Right center and Right"
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              "edt": "0x63"
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              "descriptions": {
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                "en": "Left and Center"
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              "descriptions": {
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                "en": "Left, Center and Right"
              },
              "edt": "0x65"
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            {
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              "en": "Left, Center and Right center"
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            "descriptions": {
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              "en": "Left, Center, Right center and Right"
            },
            "edt": "0x67"
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            "descriptions": {
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              "en": "Left, Left center and Right"
            },
            "edt": "0x69"
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            "value": "l_lc_rc",
            "descriptions": {
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              "en": "Left, Left center and Right center"
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            "edt": "0x6A"
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            "descriptions": {
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              "en": "Left, Left center and center"
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            "edt": "0x6C"
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              "en": "Left, Left center, Center and Right"
            },
            "edt": "0x6D"
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            "descriptions": {
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              "en": "Left, Left center, Center and Right center"
            },
            "edt": "0x6E"
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            "edt": "0x6F"
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          "en": "Special state"
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            "preheating",
            "heatRemoval"
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                "ja": "通常状態",
                "en": "Normal operation"
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              "descriptions": {
                "ja": "除霜状態",
                "en": "Defrosting"
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            {
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              "descriptions": {
                "ja": "予熱状態",
                "en": "Preheating"
              },
              "edt": "0x42"
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            {
              "value": "heatRemoval",
              "descriptions": {
                "ja": "排熱状態",
                "en": "Heat removal"
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              "edt": "0x43"
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        }
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      "nonPriorityState": {
        "epc": "0xAB",
        "descriptions": {
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          "en": "Non-priority state"
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        "observable": false,
        "schema": {
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          "values": [
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            "descriptions": {
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              "en": "Normal"
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            "edt": "0x40"
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            "value": true,
            "descriptions": {
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              "en": "Non-priority"
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      "descriptions": {
        "ja": "運転モード設定",
        "en": "Operation mode setting"
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      "observable": true,
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        "type": "string",
        "enum": [
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          "cooling",
          "heating",
          "dehumidification",
          "circulation",
          "other"
        ],
        "values": [
          {
            "value": "auto",
            "descriptions": {
              "ja": "自動",
              "en": "Automatic"
            },
            "edt": "0x41"
          },
          {
            "value": "cooling",
            "descriptions": {
              "ja": "冷房",
              "en": "Cooling"
            },
            "edt": "0x42"
          },
          {
            "value": "heating",
            "descriptions": {
              "ja": "暖房",
              "en": "Heating"
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            "edt": "0x43"
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            "value": "dehumidification",
            "descriptions": {
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            "descriptions": {
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              "en": "Air circulation"
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            "edt": "0x45"
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          {
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    "automaticTemperatureControl": {
      "epc": "0xB1",
      "descriptions": {
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        "en": "Automatic temperature control setting"
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      "observable": false,
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          },
          {
            "value": false,
            "descriptions": {
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              "en": "Non-automatic"
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    },
    "highspeedOperation": {
      "epc": "0xB2",
      "descriptions": {
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        "en": "Normal/highspeed/silent operation setting"
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      "writable": true,
      "observable": false,
      "schema": {
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            "highspeed",
            "silent"
          ],
          "values": [
            {
              "value": "normal",
              "descriptions": {
                "ja": "通常運転",
                "en": "Normal operation"
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              "edt": "0x41"
            },
            {
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              "descriptions": {
                "ja": "急速",
                "en": "High-speed operation"
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              "edt": "0x42"
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            {
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              "descriptions": {
                "ja": "静音",
                "en": "Silent operation"
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              "edt": "0x43"
            }
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        }
      },
      "targetTemperature": {
        "epc": "0xB3",
        "descriptions": {
          "ja": "温度設定値",
          "en": "Set temperature value"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": 0,
              "maximum": 50
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            {
              "type": "string",
              "enum": [
                "undefined"
              ],
              "values": [
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                  "descriptions": {
                    "ja": "不明",
                    "en": "Undefined"
                  },
                  "edt": "0xFD"
                }
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          ]
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      },
      "relativeHumidityDehumidifying": {
        "epc": "0xB4",
        "descriptions": {
          "ja": "除湿モード時相対湿度設定値",
          "en": "Set value of relative humidity in dehumidifying mode"
        },
        "writable": true,
        "observable": false,
        "schema": {
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          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "targetTemperatureCooling": {
        "epc": "0xB5",
        "descriptions": {
          "ja": "冷房モード時温度設定値",
          "en": "Set temperature value in cooling mode"
        },
        "writable": true,
        "observable": false,
        "schema": {
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              "unit": "Celsius",
              "minimum": 0,
              "maximum": 50
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              "type": "string",
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              ],
              "values": [
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                }
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            }
          ]
        }
      },
      "targetTemperatureHeating": {
        "epc": "0xB6",
        "descriptions": {
          "ja": "暖房モード時温度設定値",
          "en": "Set temperature value in heating mode"
        },
        "writable": true,
        "observable": false,
        "schema": {
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              "unit": "Celsius",
              "minimum": 0,
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            "maximum": 50
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            "enum": [
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            ],
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                "edt": "0xFD"
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          }
        ]
      }
    },
    "targetTemperatureDehumidifying": {
      "epc": "0xB7",
      "descriptions": {
        "ja": "除湿モード時温度設定値",
        "en": "Set temperature value in dehumidifying mode"
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      "writable": true,
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            "unit": "Celsius",
            "minimum": 0,
            "maximum": 50
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    },
    "ratedPowerConsumption": {
      "epc": "0xB8",
      "descriptions": {
        "ja": "定格消費電力値",
        "en": "Rated power consumption"
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      "writable": false,
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                        "en": "Unsupported"
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                }
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            "heating": {
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                "en": "Heating"
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                }
              ]
            },
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                }
              ]
            },
            "circulation": {
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                "en": "Circulation"
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                    }
                  ]
                }
              ]
            }
          }
        }
      },
      "currentConsumption": {
        "epc": "0xB9",
        "descriptions": {
          "ja": "消費電流計測値",
          "en": "Measured value of current consumption"
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        },
        "writable": false,
        "observable": false,
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          "unit": "A",
          "minimum": 0,
          "maximum": 6553.3,
          "multipleOf": 0.1
        }
      },
      "humidity": {
        "epc": "0xBA",
        "descriptions": {
          "ja": "室内相対湿度計測値",
          "en": "Measured value of room relative humidity"
        },
        "writable": false,
        "observable": false,
        "schema": {
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              "type": "number",
              "unit": "%",
              "minimum": 0,
              "maximum": 100
            },
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              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0xFD"
                }
              ]
            }
          ]
        }
      },
      "roomTemperature": {
        "epc": "0xBB",
        "descriptions": {
          "ja": "室内温度計測値",
          "en": "Measured value of room temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": -127,
              "maximum": 125
            },
            {
              "type": "string",
              "enum": [
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                "unmeasurable"
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                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0x7E"
                }
              ]
            }
          ]
        }
      },
      "temperatureUserRemoteControl": {
        "epc": "0xBC",
        "descriptions": {
          "ja": "ユーザリモコン温度設定値",
          "en": "Set temperature value of user remote control"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": 0,
          "maximum": 50
        }
      },
      "airFlowTemperature": {
        "epc": "0xBD",
        "descriptions": {
          "ja": "吹き出し温度計測値",
          "en": "Measured cooled air temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
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              "type": "number",
              "unit": "Celsius",
              "minimum": -127,
              "maximum": 125
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              "type": "string",
              "enum": [
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              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0x7E"
                }
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            }
          ]
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      "outdoorTemperature": {
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        "descriptions": {
          "ja": "外気温度計測値",
          "en": "Measured outdoor air temperature"
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        "writable": false,
        "observable": false,
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          "oneOf": [
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              "type": "number",
              "unit": "Celsius",
              "minimum": -127,
              "maximum": 125
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              "enum": [
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              ],
              "values": [
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                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0x7E"
                }
              ]
            }
          ]
        }
      },
      "relativeTemperature": {
        "epc": "0xBF",
        "descriptions": {
          "ja": "相対温度設定値",
          "en": "Relative temperature setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": -12.7,
              "maximum": 12.5,
              "multipleOf": 0.1
            },
            {
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              "enum": [
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              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
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                "edt": "0x7E"
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            ]
          }
        ]
      }
    },
    "ventilationFunction": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "換気モード設定",
        "en": "Ventilation function setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "onOutlet",
          "off",
          "onIntake",
          "onOutletAndIntake"
        ],
        "values": [
          {
            "value": "onOutlet",
            "descriptions": {
              "ja": "換気ON (排気方向)",
              "en": "Ventilation function ON (outlet direction)"
            },
            "edt": "0x41"
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              "en": "Ventilation function OFF"
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            "edt": "0x42"
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            "descriptions": {
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              "en": "Ventilation function ON (intake direction)"
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            "edt": "0x43"
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            "value": "onOutletAndIntake",
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              "en": "Ventilation function ON (outlet and intake direction)"
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            "edt": "0x44"
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        "en": "Humidifier function setting"
      },
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                "en": "Humidifier function ON"
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          "en": "Ventilation air flow rate setting"
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              "enum": [
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              ],
              "values": [
                {
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                  "descriptions": {
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                    "en": "Automatic control of ventilation air flow rate"
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                  "edt": "0x41"
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            }
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          "en": "Degree of humidification setting"
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              "enum": [
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              ],
              "values": [
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                "en": "Electronic dust collection"
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              "type": "boolean",
              "values": [
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                  "descriptions": {
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                    "en": "Not equipped"
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                  "descriptions": {
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              "en": "Cluster ion"
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            "type": "boolean",
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        "en": "Air purifier function setting"
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              "en": "Electronic dust collection:Level"
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            "type": "number",
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            "multipleOf": 1
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              "en": "Electronic dust collection:Mode"
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                "edt": "0x01"
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              "en": "Electronic dust collection:Auto function"
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                  "en": "Automatic"
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              }
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                "edt": "0x01"
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              "en": "Cluster ion:Auto function"
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            "values": [
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              {
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                "descriptions": {
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                },
                "edt": "0x01"
              }
            ]
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    "airRefreshMethod": {
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      "descriptions": {
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        "en": "Mounted air refresh method"
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      "writable": false,
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        "properties": {
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              "en": "Minus ion collection"
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                "en": "Not equipped"
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              "descriptions": {
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  "airRefresherFunction": {
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    "descriptions": {
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      "en": "Air refresher function setting"
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            "en": "Minus ion:Level"
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              "en": "Minus ion:Auto function"
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                  "en": "Non-automatic"
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                "edt": "0x01"
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        "epc": "0xCA",
        "descriptions": {
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          "en": "Mounted self-cleaning method"
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        "writable": false,
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                "en": "Information about ozone cleaning method mounting"
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              "type": "boolean",
              "values": [
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                    "en": "Not equipped"
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            },
            "equippedDrying": {
              "descriptions": {
                "ja": "乾燥方式搭載情報",
                "en": "Information about drying method mounting"
              },
              "type": "boolean",
              "values": [
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                  "descriptions": {
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      "selfCleaningFunction": {
        "epc": "0xCB",
        "descriptions": {
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          "en": "Self-cleaning function setting"
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        "writable": true,
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                "en": "Ozone cleaning:Level"
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                "en": "Ozone cleaning:Mode"
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              "enum": [
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                "on"
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                  "descriptions": {
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                    "en": "ON"
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                  "edt": "0x01"
                }
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            },
            "autoOfOzone": {
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                "en": "Ozone cleaning:Auto function"
              },
              "type": "boolean",
              "values": [
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                    "en": "Non-automatic"
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                {
                  "value": true,
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                  },
                  "edt": "0x01"
                }
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            },
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            "maximum": 8,
            "multipleOf": 1
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            "enum": [
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            "values": [
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                  "en": "OFF"
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                "edt": "0x00"
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                "descriptions": {
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              "en": "Drying:Auto function"
            },
            "type": "boolean",
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              {
                "value": true,
                "descriptions": {
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      "specialFunction": {
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        "descriptions": {
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          "en": "Special function setting"
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        "observable": false,
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            "clothesDryer",
            "condensationSuppressor",
            "miteAndMoldControl",
            "activeDefrosting"
          ],
          "values": [
            {
              "value": "noSetting",
              "descriptions": {
                "ja": "設定なし",
                "en": "No setting"
              },
              "edt": "0x40"
            },
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              "descriptions": {
                "ja": "衣類乾燥",
                "en": "Clothes dryer function"
              },
              "edt": "0x41"
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            {
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              "descriptions": {
                "ja": "結露抑制",
                "en": "Condensation suppressor function"
              },
              "edt": "0x42"
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            {
              "value": "miteAndMoldControl",
              "descriptions": {
                "ja": "ダニカビ抑制",
                "en": "Mite and mold control function"
              },
              "edt": "0x43"
            },
            {
              "value": "activeDefrosting",
              "descriptions": {
                "ja": "強制除霜",
                "en": "Active defrosting function"
              },
              "edt": "0x44"
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        }
      },
      "componentsOperationStatus": {
        "epc": "0xCD",
        "descriptions": {
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          "ja": "内部動作状態",
          "en": "Operation status of components"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
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                "ja": "コンプレッサ動作状態",
                "en": "Operation status of the compressor"
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              "type": "string",
              "enum": [
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                "on"
              ],
              "values": [
                {
                  "value": "off",
                  "descriptions": {
                    "ja": "停止中",
                    "en": "Not operating"
                  },
                  "edt": "0x00"
                },
                {
                  "value": "on",
                  "descriptions": {
                    "ja": "動作中",
                    "en": "In operation"
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                  "edt": "0x01"
                }
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            },
            "thermostat": {
              "descriptions": {
                "ja": "サーモON/OFF状態",
                "en": "Operation status of the thermostat"
              },
              "type": "string",
              "enum": [
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                "on"
              ],
              "values": [
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                  "descriptions": {
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                    "en": "OFF"
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                  "descriptions": {
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            }
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        }
      },
      "thermostatOverride": {
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        "descriptions": {
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          "en": "Thermostat setting override function"
        },
        "writable": true,
        "observable": false,
        "schema": {
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            "on",
            "off"
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          "values": [
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              "value": "normal",
              "descriptions": {
                "ja": "通常設定",
                "en": "Normal setting"
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              "edt": "0x40"
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            {
              "value": "on",
              "descriptions": {
                "ja": "強制サーモON",
                "en": "Thermostat setting override function ON"
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              "edt": "0x41"
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            {
              "value": "off",
              "descriptions": {
                "ja": "強制サーモOFF",
                "en": "Thermostat setting override function OFF"
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              "edt": "0x42"
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        }
      },
      "airPurification": {
        "epc": "0xCF",
        "descriptions": {
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          "en": "Air purification mode setting"
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        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
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            "off"
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          "values": [
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                "en": "Air purification ON"
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              "value": "off",
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                "en": "Air purification OFF"
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              "edt": "0x42"
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      }
    },
    "actions": {
      "beepBuzzer": {
        "epc": "0xD0",
        "descriptions": {
          "ja": "ブザー",
          "en": "Buzzer"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      }
    }
  }
```


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換気扇:ventilationFan:0x0133

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
airFlowLevel	GET, PUT	number, string	0xA0	換気風量設定 Set value of ventilation air flow rate	
automaticVentilationOperation	GET, PUT	boolean	0xBF	換気自動設定 Ventilation Auto setting	

Device Description

```
{
  "deviceType": "ventilationFan",
  "metaData": {
    "version": "1.3.0"
  },
  "eoj": "0x0133",
  "descriptions": {
    "ja": "換気扇",
    "en": "Ventilation fan"
  },
  "properties": {
    "airFlowLevel": {
      "epc": "0xA0",
      "descriptions": {
        "ja": "換気風量設定",
        "en": "Set value of ventilation air flow rate"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "minimum": 1,
            "maximum": 8,
            "multipleOf": 1
          },
          {
            "type": "string",
            "enum": [
              "auto"
            ],
            "values": [
              {
                "value": "auto",
                "descriptions": {
                  "ja": "換気風量自動状態",
                  "en": "Ventilation air flow rate auto status"
                },
                "edt": "0x41"
              }
            ]
```


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```
            }
          ]
        }
      },
      "automaticVentilationOperation": {
        "epc": "0xBF",
        "descriptions": {
          "ja": "換気自動設定",
          "en": "Ventilation Auto setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "AUTO",
                "en": "Auto"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "非AUTO",
                "en": "Non-auto"
              },
              "edt": "0x42"
            }
          ]
        }
      }
    }
  }
```


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空調換気扇:airConditionerVentilationFan:0x0134

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
airFlowLevel	GET, PUT	number, string	0xA0	換気風量設定 Set value of ventilation air flow rate	
ventilationModeAuto	GET, PUT	boolean	0xB0	換気モード自動設定 Ventilation mode automatic setting	
ventilationMethod	GET, PUT	string	0xB1	換気方式設定 Ventilation method setting	
ventilationMode	GET, PUT	string	0xB2	換気モード設定 Ventilation mode setting	
highlowLevel	GET, PUT	number	0xB3	冷暖強弱設定 Cooling / heating high-low setting	
targetHumidity	GET, PUT	number	0xB4	室内相対湿度設定値 Set value of room relative humidity	
currentConsumption	GET	number	0xB9	消費電流計測値 Measured value of electric current consumption	
humidity	GET	number, string	0xBA	室内相対湿度計測値 Measured value of room relative humidity	
outdoorTemperature	GET	number, string	0xBE	外気温度計測値 Measured value of outdoor air temperature	
ventilationAuto	GET, PUT	boolean	0xBF	換気自動設定 Ventilation auto setting	
co2Concentration	GET	number	0xC0	CO2濃度計測値 Measured value of CO2 concentration	
smokeDetection	GET	boolean	0xC1	煙（タバコ）検知状態 Smoke (cigarette) detection status	
pollutionDetection	GET	boolean	0xC2	汚れ検知状態 Pollution detection status	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
outdoorHumidity	GET	number, string	0xCA	外気相対湿度計測値 Measured value of outdoor relative humidity	
returnAirTemperature	GET	array	0xD0	還気温度計測値 Measured value of return air temperature	
returnAirHumidity	GET	array	0xD1	還気相対湿度計測値 Measured value of return relative humidity	
chargingAirTemperature	GET	number, string	0xD2	給気温度計測値 Measured value of charging air temperature	
chargingAirHumidity	GET	number, string	0xD3	給気相対湿度計測値 Measured value of charging relative humidity	
dischargingAirTemperature	GET	number, string	0xD4	排気温度計測値 Measured value of discharging air temperature	
dischargingAirHumidity	GET	number, string	0xD5	排気相対湿度計測値 Measured value of discharging air relative humidity	
heatExchangerOperationStatus	GET, PUT	boolean	0xE0	熱交換機動作設定 Heat exchanger operation setting	

Device Description

```
{
  "deviceType": "airConditionerVentilationFan",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0134",
  "descriptions": {
    "ja": "空調換気扇",
    "en": "Air conditioner ventilation fan"
  },
  "properties": {
    "airFlowLevel": {
      "epc": "0xA0",
      "descriptions": {
        "ja": "換気風量設定",
        "en": "Set value of ventilation air flow rate"
      },
      "writable": true,
      "observable": false,
      "schema": {
```


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```
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 8,
              "multipleOf": 1
            },
            {
              "type": "string",
              "enum": [
                "auto"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "換気風量自動状態",
                    "en": "Ventilation air flow rate auto status"
                  },
                  "edt": "0x41"
                }
              ]
            }
          ]
        }
      },
      "ventilationModeAuto": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "換気モード自動設定",
          "en": "Ventilation mode automatic setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "AUTO",
                "en": "Auto"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "非AUTO",
                "en": "Non-auto"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "ventilationMethod": {
        "epc": "0xB1",
        "descriptions": {
          "ja": "換気方式設定",
          "en": "Ventilation method setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
```


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```
          "type": "string",
          "enum": [
            "blowing",
            "airConditioning"
          ],
          "values": [
            {
              "value": "blowing",
              "descriptions": {
                "ja": "送風換気",
                "en": "Blowing ventilation"
              },
              "edt": "0x41"
            },
            {
              "value": "airConditioning",
              "descriptions": {
                "ja": "空調換気",
                "en": "Air conditioning ventilation"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "ventilationMode": {
        "epc": "0xB2",
        "descriptions": {
          "ja": "換気モード設定",
          "en": "Ventilation mode setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "normal",
            "heatExchange",
            "cooling",
            "heating",
            "dehumidifying",
            "humidifying",
            "other"
          ],
          "values": [
            {
              "value": "normal",
              "descriptions": {
                "ja": "普通換気",
                "en": "Normal ventilation"
              },
              "edt": "0x41"
            },
            {
              "value": "heatExchange",
              "descriptions": {
                "ja": "熱交換換気",
                "en": "Heat exchange ventilation"
              },
              "edt": "0x42"
            },
            {
              "value": "cooling",
              "descriptions": {
                "ja": "冷房換気",
```


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```
                "en": "Cooling ventilation"
              },
              "edt": "0x43"
            },
            {
              "value": "heating",
              "descriptions": {
                "ja": "暖房換気",
                "en": "Heating ventilation"
              },
              "edt": "0x44"
            },
            {
              "value": "dehumidifying",
              "descriptions": {
                "ja": "除湿換気",
                "en": "Dehumidifying ventilation"
              },
              "edt": "0x45"
            },
            {
              "value": "humidifying",
              "descriptions": {
                "ja": "加湿換気",
                "en": "Humidifying ventilation"
              },
              "edt": "0x46"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他換気",
                "en": "Other ventilation modes"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "highlowLevel": {
        "epc": "0xB3",
        "descriptions": {
          "ja": "冷暖強弱設定",
          "en": "Cooling / heating high-low setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 8,
          "multipleOf": 1
        }
      },
      "targetHumidity": {
        "epc": "0xB4",
        "descriptions": {
          "ja": "室内相対湿度設定値",
          "en": "Set value of room relative humidity"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
```


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```
          "minimum": 0,
          "maximum": 100
        }
      },
      "currentConsumption": {
        "epc": "0xB9",
        "descriptions": {
          "ja": "消費電流計測値",
          "en": "Measured value of electric current consumption"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "A",
          "minimum": 0,
          "maximum": 6553.3,
          "multipleOf": 0.1
        }
      },
      "humidity": {
        "epc": "0xBA",
        "descriptions": {
          "ja": "室内相対湿度計測値",
          "en": "Measured value of room relative humidity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "%",
              "minimum": 0,
              "maximum": 100
            },
            {
              "type": "string",
              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0xFD"
                }
              ]
            }
          ]
        }
      },
      "outdoorTemperature": {
        "epc": "0xBE",
        "descriptions": {
          "ja": "外気温度計測値",
          "en": "Measured value of outdoor air temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
```


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```
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": -127,
              "maximum": 125
            },
            {
              "type": "string",
              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0x7E"
                }
              ]
            }
          ]
        }
      },
      "ventilationAuto": {
        "epc": "0xBF",
        "descriptions": {
          "ja": "換気自動設定",
          "en": "Ventilation auto setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "AUTO",
                "en": "Auto"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "非AUTO",
                "en": "Non-auto"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "co2Concentration": {
        "epc": "0xC0",
        "descriptions": {
          "ja": "CO2濃度計測値",
          "en": "Measured value of CO2 concentration"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
```


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```
          "unit": "ppm",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "smokeDetection": {
        "epc": "0xC1",
        "descriptions": {
          "ja": "煙（タバコ）検知状態",
          "en": "Smoke (cigarette) detection status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "煙（タバコ）検知有",
                "en": "Smoke (cigarette) detection status found."
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "煙（タバコ）検知無",
                "en": "Smoke (cigarette) detection status not found."
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "pollutionDetection": {
        "epc": "0xC2",
        "descriptions": {
          "ja": "汚れ検知状態",
          "en": "Pollution detection status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "汚れ検知有",
                "en": "Pollution detected"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "汚れ検知無",
                "en": "Pollution non-detected"
              },
              "edt": "0x42"
            }
          ]
        }
      },
```


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```
    "outdoorHumidity": {
      "epc": "0xCA",
      "descriptions": {
        "ja": "外気相対湿度計測値",
        "en": "Measured value of outdoor relative humidity"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "%",
            "minimum": 0,
            "maximum": 100
          },
          {
            "type": "string",
            "enum": [
              "unmeasurable"
            ],
            "values": [
              {
                "value": "unmeasurable",
                "descriptions": {
                  "ja": "計測不能",
                  "en": "Unmeasurable"
                },
                "edt": "0xFD"
              }
            ]
          }
        ]
      }
    },
    "returnAirTemperature": {
      "epc": "0xD0",
      "descriptions": {
        "ja": "還気温度計測値",
        "en": "Measured value of return air temperature"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 10,
        "maxItems": 10,
        "items": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": -127,
              "maximum": 125
            },
            {
              "type": "string",
              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
```


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```
                    "en": "Unmeasurable"
                  },
                  "edt": "0x7E"
                }
              ]
            }
          ]
        }
      }
    },
    "returnAirHumidity": {
      "epc": "0xD1",
      "descriptions": {
        "ja": "還気相対湿度計測値",
        "en": "Measured value of return relative humidity"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 10,
        "maxItems": 10,
        "items": {
          "oneOf": [
            {
              "type": "number",
              "unit": "%",
              "minimum": 0,
              "maximum": 100
            },
            {
              "type": "string",
              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0xFD"
                }
              ]
            }
          ]
        }
      }
    },
    "chargingAirTemperature": {
      "epc": "0xD2",
      "descriptions": {
        "ja": "給気温度計測値",
        "en": "Measured value of charging air temperature"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "Celsius",
            "minimum": -127,
            "maximum": 125
```


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```
            },
            {
              "type": "string",
              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0x7E"
                }
              ]
            }
          ]
        }
      },
      "chargingAirHumidity": {
        "epc": "0xD3",
        "descriptions": {
          "ja": "給気相対湿度計測値",
          "en": "Measured value of charging relative humidity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "%",
              "minimum": 0,
              "maximum": 100
            },
            {
              "type": "string",
              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0xFD"
                }
              ]
            }
          ]
        }
      },
      "dischargingAirTemperature": {
        "epc": "0xD4",
        "descriptions": {
          "ja": "排気温度計測値",
          "en": "Measured value of discharging air temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
```


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```
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": -127,
              "maximum": 125
            },
            {
              "type": "string",
              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0x7E"
                }
              ]
            }
          ]
        }
      },
      "dischargingAirHumidity": {
        "epc": "0xD5",
        "descriptions": {
          "ja": "排気相対湿度計測値",
          "en": "Measured value of discharging air relative humidity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "%",
              "minimum": 0,
              "maximum": 100
            },
            {
              "type": "string",
              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測不能",
                    "en": "Unmeasurable"
                  },
                  "edt": "0xFD"
                }
              ]
            }
          ]
        }
      },
      "heatExchangerOperationStatus": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "熱交換機動作設定",
          "en": "Heat exchanger operation setting"
```


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```
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "熱交換機ON",
                "en": "Heat exchanger ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "熱交換機OFF",
                "en": "Heat exchanger ON"
              },
              "edt": "0x42"
            }
          ]
        }
      }
    }
  }
```


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空気清浄器:airCleaner:0x0135

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
airFlowLevel	GET, PUT	number, string	0xA0	風量設定 Air flow rate setting	
airPollutionDetection	GET	boolean	0xC0	空気汚れ検知状態 Air pollution detection status	
smokeDetection	GET	boolean	0xC1	煙（タバコ）検知状態 Smoke (cigarette) detection status	
opticalCatalystOperationStatus	GET, PUT	boolean	0xC2	光触媒動作設定 Optical catalyst operation setting	
filterChangeNotice	GET	boolean	0xE1	フィルタ交換通知状態 Filter change notice	

Device Description

```
{
  "deviceType": "airCleaner",
  "metaData": {
    "version": "1.3.0"
  },
  "eoj": "0x0135",
  "descriptions": {
    "ja": "空気清浄器",
    "en": "Air cleaner"
  },
  "properties": {
    "airFlowLevel": {
      "epc": "0xA0",
      "descriptions": {
        "ja": "風量設定",
        "en": "Air flow rate setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "minimum": 1,
            "maximum": 8,
            "multipleOf": 1
          },
          {
            "type": "string",
```


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```
            "enum": [
              "auto"
            ],
            "values": [
              {
                "value": "auto",
                "descriptions": {
                  "ja": "換気風量自動状態",
                  "en": "Ventilation air flow rate auto status"
                },
                "edt": "0x41"
              }
            ]
          }
        ]
      }
    },
    "airPollutionDetection": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "空気汚れ検知状態",
        "en": "Air pollution detection status"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "空気汚れ検知有",
              "en": "Air pollution detected"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "空気汚れ検知無",
              "en": "Air pollution non-detected"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "smokeDetection": {
      "epc": "0xC1",
      "descriptions": {
        "ja": "煙（タバコ）検知状態",
        "en": "Smoke (cigarette) detection status"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "煙（タバコ）検知有",
              "en": "Smoke (cigarette) detection status found."
            },
            "edt": "0x41"
```


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```
            },
            {
              "value": false,
              "descriptions": {
                "ja": "煙（タバコ）検知無",
                "en": "Smoke (cigarette) detection status not found."
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "opticalCatalystOperationStatus": {
        "epc": "0xC2",
        "descriptions": {
          "ja": "光触媒動作設定",
          "en": "Optical catalyst operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "光触媒ON",
                "en": "Optical catalyst ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "光触媒OFF",
                "en": "Optical catalyst OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "filterChangeNotice": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "フィルタ交換通知状態",
          "en": "Filter change notice"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "フィルタ交換時期通知有",
                "en": "Found"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "フィルタ交換時期通知無",
```


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```
                "en": "Not found"
              },
              "edt": "0x42"
            }
          ]
        }
      }
    }
  }
```


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業務用パッケージエアコン室内機（設備用を除く）:commercialAirConditionerIndoorUnit:0x0156

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
thermostatState	GET	boolean	0xAC	サーモ状態 Thermostat state	
automaticOperationModeStatus	GET	string	0xAE	自動運転時運転モード状態 Current function (automatic operation mode)	
operationMode	GET, PUT	string	0xB0	運転モード設定 Operation mode setting	
targetTemperature	GET, PUT	number	0xB3	温度設定値 Temperature setting	
roomTemperature	GET	number, string	0xBB	室内機温度計測値 Measured indoor unit temperature	
groupInformation	GET	number, string	0xCA	グループ情報 Group information	
powerConsumption	GET	string	0xDB	室内機消費電力範囲 Power consumption range for indoor units	
groupDeviceList	GET	array	-	グループ内デバイスリスト List of devices in group	*1

*1 グループ情報の "groupDeviceList" は、WebAPIのdevicesで管理されている機器のIdおよびその"deviceType"を記述

Device Description

```
{
  "deviceType": "commercialAirConditionerIndoorUnit",
  "metaData": {
    "version": "1.4.1"
  },
  "eoj": "0x0156",
  "descriptions": {
    "ja": "業務用パッケージエアコン室内機（設備用を除く）",
    "en": "Package-type commercial air conditioner (indoor unit) (except those for facilities)"
  },
  "properties": {
    "thermostatState": {
      "epc": "0xAC",
      "descriptions": {
        "ja": "サーモ状態",
        "en": "Thermostat state"
      },
      "writable": false,
```


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```
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "サーモON",
                "en": "Thermostat ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "サーモOFF",
                "en": "Thermostat OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "automaticOperationModeStatus": {
        "epc": "0xAE",
        "descriptions": {
          "ja": "自動運転時運転モード状態",
          "en": "Current function (automatic operation mode)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "cooling",
            "heating",
            "dehumidification",
            "circulation",
            "other"
          ],
          "values": [
            {
              "value": "cooling",
              "descriptions": {
                "ja": "冷房",
                "en": "Cooling"
              },
              "edt": "0x42"
            },
            {
              "value": "heating",
              "descriptions": {
                "ja": "暖房",
                "en": "Heating"
              },
              "edt": "0x43"
            },
            {
              "value": "dehumidification",
              "descriptions": {
                "ja": "除湿",
                "en": "Dehumidification"
              },
              "edt": "0x44"
            },
```


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```
            {
              "value": "circulation",
              "descriptions": {
                "ja": "送風",
                "en": "Air circulation"
              },
              "edt": "0x45"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "operationMode": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "運転モード設定",
          "en": "Operation mode setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "auto",
            "cooling",
            "heating",
            "dehumidification",
            "circulation"
          ],
          "values": [
            {
              "value": "auto",
              "descriptions": {
                "ja": "自動",
                "en": "Automatic"
              },
              "edt": "0x41"
            },
            {
              "value": "cooling",
              "descriptions": {
                "ja": "冷房",
                "en": "Cooling"
              },
              "edt": "0x42"
            },
            {
              "value": "heating",
              "descriptions": {
                "ja": "暖房",
                "en": "Heating"
              },
              "edt": "0x43"
            },
            {
              "value": "dehumidification",
              "descriptions": {
                "ja": "除湿",
```


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```
                "en": "Dehumidification"
              },
              "edt": "0x44"
            },
            {
              "value": "circulation",
              "descriptions": {
                "ja": "送風",
                "en": "Air circulation"
              },
              "edt": "0x45"
            }
          ]
        }
      },
      "targetTemperature": {
        "epc": "0xB3",
        "descriptions": {
          "ja": "温度設定値",
          "en": "Temperature setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": 0,
          "maximum": 50
        }
      },
      "roomTemperature": {
        "epc": "0xBB",
        "descriptions": {
          "ja": "室内機温度計測値",
          "en": "Measured indoor unit temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": -127,
              "maximum": 125
            },
            {
              "type": "string",
              "enum": [
                "unmeasurable"
              ],
              "values": [
                {
                  "value": "unmeasurable",
                  "descriptions": {
                    "ja": "計測値を返せない",
                    "en": "When the measurement value cannot be returned"
                  },
                  "edt": "0x7E"
                }
              ]
            }
          ]
        }
      },
```


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```
      "groupInformation": {
        "epc": "0xCA",
        "descriptions": {
          "ja": "グループ情報",
          "en": "Group information"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 253
            },
            {
              "type": "string",
              "enum": [
                "noSetting"
              ],
              "values": [
                {
                  "value": "noSetting",
                  "descriptions": {
                    "ja": "設定なし",
                    "en": "No setting"
                  },
                  "edt": "0x00"
                }
              ]
            }
          ]
        }
      },
      "powerConsumption": {
        "epc": "0xDB",
        "descriptions": {
          "ja": "室内機消費電力範囲",
          "en": "Power consumption range for indoor units"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "less50W",
            "less100W",
            "less150W",
            "less200W",
            "200WOrMore",
            "undefined"
          ],
          "values": [
            {
              "value": "less50W",
              "descriptions": {
                "ja": "50W未満",
                "en": "Up to 50W"
              },
              "edt": "0x01"
            },
            {
              "value": "less100W",
              "descriptions": {
                "ja": "50W以上～100W未満",
```


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```
                "en": "50W-100W"
              },
              "edt": "0x02"
            },
            {
              "value": "less150W",
              "descriptions": {
                "ja": "100W以上～150W未満",
                "en": "100W-150W"
              },
              "edt": "0x03"
            },
            {
              "value": "less200W",
              "descriptions": {
                "ja": "150W以上～200W未満",
                "en": "150W-200W"
              },
              "edt": "0x04"
            },
            {
              "value": "200WOrMore",
              "descriptions": {
                "ja": "200W以上",
                "en": "200W-"
              },
              "edt": "0x05"
            },
            {
              "value": "undefined",
              "descriptions": {
                "ja": "未定",
                "en": "Undefined"
              },
              "edt": "0x00"
            }
          ]
        }
      },
      "groupDeviceList": {
        "descriptions": {
          "ja": "グループ内デバイスリスト",
          "en": "List of devices in group"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "items": {
            "type": "object",
            "properties": {
              "deviceId": {
                "type": "string"
              },
              "deviceType": {
                "type": "string"
              }
            }
          }
        },
        "note": {
          "ja": "WebAPIの'devices'で管理されている機器のIDおよびその'deviceType'を記述",
          "en": "Describe the ID of the device managed in 'devices' of WebAPI and its 'deviceType'."
        }
      }
```


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```
    }
  }
```


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業務用パッケージエアコン室外機（設備用を除く）:commercialAirConditionerOutdoorUnit:0x0157

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
specialState	GET	boolean	0xAB	特殊状態 Special state	
ratedPowerConsumption	GET	object	0xB8	室外機定格消費電力値 Rated power consumption of outdoor unit	
outdoorTemperature	GET	number, string	0xBE	室外機温度計測値 Measured outdoor unit temperature	
groupInformation	GET	number, string	0xCA	グループ情報 Group information	
powerConsumption	GET	number	0xDB	室外機消費電力計測値 Measured power consumption of outdoor unit	
powerConsumptionWillBeSaved	GET	number	0xDD	室外機節電可能消費電力 Possible power savings for outdoor units	
powerConsumptionLimit	GET, PUT	number, string	0xDE	室外機消費電力制限設定 Settings restricting power consumption of outdoor units	
restrictedMinimumPowerConsumption	GET	number	0xDF	室外機抑制最低消費電力 Minimum power consumption for restricted outdoor unit	
groupDeviceList	GET	array	-	グループ内デバイスリスト List of devices in group	*1

*1 グループ情報の "groupDeviceList" は、WebAPIのdevicesで管理されている機器のIdおよびその"deviceType"を記述

Device Description

```
{
  "deviceType": "commercialAirConditionerOutdoorUnit",
  "metaData": {
    "version": "1.4.1"
  },
  "eoj": "0x0157",
  "descriptions": {
    "ja": "業務用パッケージエアコン室外機（設備用を除く）",
    "en": "Package-type commercial air conditioner (outdoor unit)"
```


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```
    },
    "properties": {
      "specialState": {
        "epc": "0xAB",
        "descriptions": {
          "ja": "特殊状態",
          "en": "Special state"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": false,
              "descriptions": {
                "ja": "通常状態",
                "en": "Normal operation"
              },
              "edt": "0x40"
            },
            {
              "value": true,
              "descriptions": {
                "ja": "特殊状態",
                "en": "Special state"
              },
              "edt": "0x41"
            }
          ]
        }
      },
      "ratedPowerConsumption": {
        "epc": "0xB8",
        "descriptions": {
          "ja": "室外機定格消費電力値",
          "en": "Rated power consumption of outdoor unit"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "cooling": {
              "descriptions": {
                "ja": "冷房",
                "en": "Cooling"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "W",
                  "minimum": 0,
                  "maximum": 4294967293
                },
                {
                  "type": "string",
                  "enum": [
                    "unsupported"
                  ],
                  "values": [
                    {
                      "value": "unsupported",
                      "descriptions": {
                        "ja": "未サポート",
```


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```
                    "en": "Unsupported"
                  },
                  "edt": "0xFFFFFFFE"
                }
              ]
            }
          ]
        },
        "heating": {
          "descriptions": {
            "ja": "暖房",
            "en": "Heating"
          },
          "oneOf": [
            {
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 4294967293
            },
            {
              "type": "string",
              "enum": [
                "unsupported"
              ],
              "values": [
                {
                  "value": "unsupported",
                  "descriptions": {
                    "ja": "未サポート",
                    "en": "Unsupported"
                  },
                  "edt": "0xFFFFFFFE"
                }
              ]
            }
          ]
        }
      }
    }
  },
  "outdoorTemperature": {
    "epc": "0xBE",
    "descriptions": {
      "ja": "室外機温度計測値",
      "en": "Measured outdoor unit temperature"
    },
    "writable": false,
    "observable": false,
    "schema": {
      "oneOf": [
        {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 125
        },
        {
          "type": "string",
          "enum": [
            "unmeasurable"
          ],
          "values": [
            {
              "value": "unmeasurable",
```


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```
                "descriptions": {
                  "ja": "計測値を返せない",
                  "en": "When the measurement value cannot be returned"
                },
                "edt": "0x7E"
              }
            ]
          }
        ]
      }
    },
    "groupInformation": {
      "epc": "0xCA",
      "descriptions": {
        "ja": "グループ情報",
        "en": "Group information"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "minimum": 1,
            "maximum": 253
          },
          {
            "type": "string",
            "enum": [
              "noSetting"
            ],
            "values": [
              {
                "value": "noSetting",
                "descriptions": {
                  "ja": "設定なし",
                  "en": "No setting"
                },
                "edt": "0x00"
              }
            ]
          }
        ]
      }
    },
    "powerConsumption": {
      "epc": "0xDB",
      "descriptions": {
        "ja": "室外機消費電力計測値",
        "en": "Measured power consumption of outdoor unit"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "W",
        "minimum": 0,
        "maximum": 4294967293
      }
    },
    "powerConsumptionWillBeSaved": {
      "epc": "0xDD",
      "descriptions": {
        "ja": "室外機節電可能消費電力",
        "en": "Possible power savings for outdoor units"
```


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```
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 4294967293
        }
      },
      "powerConsumptionLimit": {
        "epc": "0xDE",
        "descriptions": {
          "ja": "室外機消費電力制限設定",
          "en": "Settings restricting power consumption of outdoor units"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "W",
              "minimum": 1,
              "maximum": 4294967293
            },
            {
              "type": "string",
              "enum": [
                "canceling"
              ],
              "values": [
                {
                  "value": "canceling",
                  "descriptions": {
                    "ja": "電力制限解除",
                    "en": "Canceling the restriction"
                  },
                  "edt": "0x00000000"
                }
              ]
            }
          ]
        }
      },
      "restrictedMinimumPowerConsumption": {
        "epc": "0xDF",
        "descriptions": {
          "ja": "室外機抑制最低消費電力",
          "en": "Minimum power consumption for restricted outdoor unit"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 4294967293
        }
      },
      "groupDeviceList": {
        "descriptions": {
          "ja": "グループ内デバイスリスト",
          "en": "List of devices in group"
        },
```


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```
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "items": {
            "type": "object",
            "properties": {
              "deviceId": {
                "type": "string"
              },
              "deviceType": {
                "type": "string"
              }
            }
          }
        },
        "note": {
          "ja": "WebAPIの'devices'で管理されている機器のIDおよびその'deviceType'を記述",
          "en": "Describe the ID of the device managed in 'devices' of WebAPI and its 'deviceType'."
        }
      }
    }
  }
```


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電動ブラインド/日よけ:electricBlindShade:0x0260

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
faultDescription	GET	string	0x89	異常内容(復帰可能な異常) Fault description (Recoverable faults)	
timerOperationMode	GET, PUT	boolean	0x90	タイマ動作設定 Timer operation setting	
windDetection	GET	boolean	0xC2	風検知状態 Wind detection status	
sunlightDetection	GET	boolean	0xC3	日差し検知状態 Sunlight detection status	
openingSpeed	GET, PUT	string	0xD0	開(張出し)速度設定 Opening (extension) speed setting	
closingSpeed	GET, PUT	string	0xD1	閉(収納)速度設定 Closing (retraction) speed setting	
operationTime	GET, PUT	number	0xD2	動作時間設定値 Operation time	
automaticOperation	GET, PUT	boolean	0xD4	自動動作設定 Automatic operation setting	
openCloseOperation	GET, PUT	string	0xE0	開閉(張出し/収納)動作設定 Open/close (extension/retraction) setting	
degreeOfOpening	GET, PUT	number	0xE1	開度レベル設定 Degree-of-opening level	
shadeAngle	GET, PUT	number	0xE2	ブラインド角度設定値 Shade angle setting	
openCloseSpeed	GET, PUT	string	0xE3	開閉(張出し/収納)速度設定 Open/close (extension/retraction) speed setting	
electricLock	GET, PUT	boolean	0xE5	電気錠設定 Electric lock setting	
remoteOperation	GET	boolean	0xE8	遠隔操作設定状態 Remote operation setting status	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
selectiveDegreeOfOpening	GET, PUT	string	0xE9	選択開(張出し)度動作設定 Selective opening (extension) operation setting	
openCloseStatus	GET	string	0xEA	開閉(張出し/収納)状態 Open/closed (extended/retracted) status	
oneTimeOpeningSpeed	GET, PUT	string	0xEE	ワンタイム開(張出し)速度設定 One-time opening (extension) speed setting	
oneTimeClosingSpeed	GET, PUT	string	0xEF	ワンタイム閉(収納)速度設定 One-time closing (retraction) speed setting	

Device Description

```
{
  "deviceType": "electricBlindShade",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x0260",
  "descriptions": {
    "ja": "電動ブラインド・日よけ",
    "en": "Electrically operated blind/shade"
  },
  "properties": {
    "faultDescription": {
      "epc": "0x89",
      "descriptions": {
        "ja": "異常内容(復帰可能な異常)",
        "en": "Fault description (Recoverable faults)"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "string",
        "enum": [
          "noFault",
          "trunOffOrUnplug",
          "resetButton",
          "setIncorrectly",
          "supply",
          "cleaning",
          "changingBattery",
          "userDefinable",
          "abnormalEventOrSafety",
          "switch",
          "sensorSystem",
          "component",
          "controlCircuitBoard",
          "userDefinable",
          "fault",
          "obstacleCaught",
```


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```
            "outageRecovery",
            "timeOut",
            "batteryLow"
          ],
          "values": [
            {
              "value": "noFault",
              "descriptions": {
                "ja": "異常なし",
                "en": "No fault"
              },
              "edt": "0x0000"
            },
            {
              "value": "trunOffOrUnplug",
              "descriptions": {
                "ja": "スイッチを切る/コンセントを抜き再操作",
                "en": "Faults that can be recovered from by turn off the power or unplug and
reoperate."
              },
              "edt": "0x0001"
            },
            {
              "value": "resetButton",
              "descriptions": {
                "ja": "リセットボタンを押し再操作",
                "en": "Faults that can be recovered from by pressing the reset button."
              },
              "edt": "0x0002"
            },
            {
              "value": "setIncorrectly",
              "descriptions": {
                "ja": "セット不良",
                "en": "Device set incorrectly"
              },
              "edt": "0x0003"
            },
            {
              "value": "supply",
              "descriptions": {
                "ja": "補給",
                "en": "Supply"
              },
              "edt": "0x0004"
            },
            {
              "value": "cleaning",
              "descriptions": {
                "ja": "掃除（フィルタ等）",
                "en": "Cleaning (filters, etc.)"
              },
              "edt": "0x0005"
            },
            {
              "value": "changingBattery",
              "descriptions": {
                "ja": "電池交換",
                "en": "Changing the battery"
              },
              "edt": "0x0006"
            },
            {
              "value": "userDefinable",
              "descriptions": {
```


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```
            "ja": "ユーザ定義領域",
            "en": "User-definable domain"
          },
          "edt": "0x0009"
        },
        {
          "value": "abnormalEventOrSafety",
          "descriptions": {
            "ja": "異常現象／安全装置作動",
            "en": "Abnormal event or the tripping of a safety device."
          },
          "edt": "0x000a...0x0013"
        },
        {
          "value": "switch",
          "descriptions": {
            "ja": "スイッチ異常",
            "en": "Fault in a switch."
          },
          "edt": "0x0014...0x001D"
        },
        {
          "value": "sensorSystem",
          "descriptions": {
            "ja": "センサ異常",
            "en": "Fault in the sensor system"
          },
          "edt": "0x001E...0x003B"
        },
        {
          "value": "component",
          "descriptions": {
            "ja": "機能部品異常",
            "en": "Fault in a component such as an actuator."
          },
          "edt": "0x003C...0x0059"
        },
        {
          "value": "controlCircuitBoard",
          "descriptions": {
            "ja": "制御基板異常",
            "en": "Fault in a control circuit board."
          },
          "edt": "0x005A...0x006E"
        },
        {
          "value": "userDefinable",
          "descriptions": {
            "ja": "ユーザ定義領域",
            "en": "User-definable domain"
          },
          "edt": "0x006F...0x03E8"
        },
        {
          "value": "fault",
          "descriptions": {
            "ja": "異常あり",
            "en": "Fault"
          },
          "edt": "0x03FF"
        },
        {
          "value": "obstacleCaught",
          "descriptions": {
            "ja": "障害物挟込み",
```


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```
                "en": "Obstacle caught"
              },
              "edt": "0x0402"
            },
            {
              "value": "outageRecovery",
              "descriptions": {
                "ja": "停電復帰",
                "en": "Recovery from outage"
              },
              "edt": "0x0502"
            },
            {
              "value": "timeOut",
              "descriptions": {
                "ja": "タイムアウト",
                "en": "Time out"
              },
              "edt": "0x0602"
            },
            {
              "value": "batteryLow",
              "descriptions": {
                "ja": "電池残量低下",
                "en": "Battery low"
              },
              "edt": "0x0702"
            }
          ]
        },
        "note": {
          "ja": "下位1バイトは、スーパークラスのリセットボタンを押し再操作(0x02)固定。上位1バイトは、復帰可能な異常内容を小分類まで定義。0x45～0xFFはユーザ定義",
          "en": "Lower-order one byte: Restarting the device by performing a reset operation = 0x02. Higher-order one byte: The detailed fault classification. 0x45 to 0xFF are defined by user."
        }
      },
      "timerOperationMode": {
        "epc": "0x90",
        "descriptions": {
          "ja": "タイマ動作設定",
          "en": "Timer operation setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ON",
                "en": "ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "OFF",
                "en": "OFF"
              },
              "edt": "0x42"
            }
          ]
```


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```
        }
      },
      "windDetection": {
        "epc": "0xC2",
        "descriptions": {
          "ja": "風検知状態",
          "en": "Wind detection status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "検知有",
                "en": "Detected"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "検知無",
                "en": "Not detected"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "sunlightDetection": {
        "epc": "0xC3",
        "descriptions": {
          "ja": "日差し検知状態",
          "en": "Sunlight detection status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "検知有",
                "en": "Detected"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "検知無",
                "en": "Not detected"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "openingSpeed": {
        "epc": "0xD0",
        "descriptions": {
```


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```
          "ja": "開(張出し)速度設定",
          "en": "Opening (extension) speed setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "low",
            "medium",
            "high"
          ],
          "values": [
            {
              "value": "low",
              "descriptions": {
                "ja": "低",
                "en": "Low"
              },
              "edt": "0x41"
            },
            {
              "value": "medium",
              "descriptions": {
                "ja": "中",
                "en": "Medium"
              },
              "edt": "0x42"
            },
            {
              "value": "high",
              "descriptions": {
                "ja": "高",
                "en": "High"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "closingSpeed": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "閉(収納)速度設定",
          "en": "Closing (retraction) speed setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "low",
            "medium",
            "high"
          ],
          "values": [
            {
              "value": "low",
              "descriptions": {
                "ja": "低",
                "en": "Low"
              },
              "edt": "0x41"
            },
            {
```


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```
            "value": "medium",
            "descriptions": {
              "ja": "中",
              "en": "Medium"
            },
            "edt": "0x42"
          },
          {
            "value": "high",
            "descriptions": {
              "ja": "高",
              "en": "High"
            },
            "edt": "0x43"
          }
        ]
      }
    },
    "operationTime": {
      "epc": "0xD2",
      "descriptions": {
        "ja": "動作時間設定値",
        "en": "Operation time"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "second",
        "minimum": 0,
        "maximum": 253
      }
    },
    "automaticOperation": {
      "epc": "0xD4",
      "descriptions": {
        "ja": "自動動作設定",
        "en": "Automatic operation setting"
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "ON",
              "en": "ON"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "OFF",
              "en": "OFF"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "openCloseOperation": {
      "epc": "0xE0",
```


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```
        "descriptions": {
          "ja": "開閉(張出し/収納)動作設定",
          "en": "Open/close (extension/retraction) setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "open",
            "close",
            "stop"
          ],
          "values": [
            {
              "value": "open",
              "descriptions": {
                "ja": "開",
                "en": "Open"
              },
              "edt": "0x41"
            },
            {
              "value": "close",
              "descriptions": {
                "ja": "閉",
                "en": "Close"
              },
              "edt": "0x42"
            },
            {
              "value": "stop",
              "descriptions": {
                "ja": "停止",
                "en": "Stop"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "degreeOfOpening": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "開度レベル設定",
          "en": "Degree-of-opening level"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        },
        "note": {
          "ja": "「快適生活支援サービス」「エネルギーサービス」に対応する場合、本プロパティの搭載は必須とする",
          "en": "In the case where an “energy service” or a “home amenity service” is to be supported, the implementation of this property is mandatory"
        }
      },
      "shadeAngle": {
        "epc": "0xE2",
        "descriptions": {
```


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```
          "ja": "ブラインド角度設定値",
          "en": "Shade angle setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "degree",
          "minimum": 0,
          "maximum": 180
        }
      },
      "openCloseSpeed": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "開閉(張出し/収納)速度設定",
          "en": "Open/close (extension/retraction) speed setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "low",
            "medium",
            "high"
          ],
          "values": [
            {
              "value": "low",
              "descriptions": {
                "ja": "低",
                "en": "Low"
              },
              "edt": "0x41"
            },
            {
              "value": "medium",
              "descriptions": {
                "ja": "中",
                "en": "Medium"
              },
              "edt": "0x42"
            },
            {
              "value": "high",
              "descriptions": {
                "ja": "高",
                "en": "High"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "electricLock": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "電気錠設定",
          "en": "Electric lock setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
```


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```
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "施錠",
                "en": "Lock"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "解錠",
                "en": "Unlock"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "remoteOperation": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "遠隔操作設定状態",
          "en": "Remote operation setting status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ON (許可)",
                "en": "ON (permitted)"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "OFF (禁止)",
                "en": "OFF (prohibited)"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "selectiveDegreeOfOpening": {
        "epc": "0xE9",
        "descriptions": {
          "ja": "選択開(張出し)度動作設定",
          "en": "Selective opening (extension) operation setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "degreeOfOpening",
            "operationTimeOfOpening",
            "operationTimeOfClosing",
            "localSetting"
```


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```
          ],
          "values": [
            {
              "value": "degreeOfOpening",
              "descriptions": {
                "ja": "開度レベル設定位置開",
                "en": "Degree-of-opening setting position: Open"
              },
              "edt": "0x41"
            },
            {
              "value": "operationTimeOfOpening",
              "descriptions": {
                "ja": "動作時間設定値開",
                "en": "Operation time setting value: Open"
              },
              "edt": "0x42"
            },
            {
              "value": "operationTimeOfClosing",
              "descriptions": {
                "ja": "動作時間設定値閉",
                "en": "Operation time setting value: Close"
              },
              "edt": "0x43"
            },
            {
              "value": "localSetting",
              "descriptions": {
                "ja": "ローカル設定位置",
                "en": "Local setting position"
              },
              "edt": "0x44"
            }
          ]
        },
        "note": {
          "ja": "0x45以降はユーザ定義(開度レベル設定のショートカットなど)",
          "en": "0x45 to 0xFF are defined by user. (Shortcut to degree-of-opening setting, etc.)"
        }
      },
      "openCloseStatus": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "開閉(張出し/収納)状態",
          "en": "Open/closed (extended/retracted) status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "fullyOpen",
            "fullyClosed",
            "opening",
            "closing",
            "stoppedHalfway"
          ],
          "values": [
            {
              "value": "fullyOpen",
              "descriptions": {
                "ja": "全開",
                "en": "Fully open"
              },
```


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```
            "edt": "0x41"
          },
          {
            "value": "fullyClosed",
            "descriptions": {
              "ja": "全閉",
              "en": "Fully closed"
            },
            "edt": "0x42"
          },
          {
            "value": "opening",
            "descriptions": {
              "ja": "開動作中",
              "en": "Opening"
            },
            "edt": "0x43"
          },
          {
            "value": "closing",
            "descriptions": {
              "ja": "閉動作中",
              "en": "Closing"
            },
            "edt": "0x44"
          },
          {
            "value": "stoppedHalfway",
            "descriptions": {
              "ja": "途中停止",
              "en": "Stopped halfway"
            },
            "edt": "0x45"
          }
        ]
      }
    },
    "oneTimeOpeningSpeed": {
      "epc": "0xEE",
      "descriptions": {
        "ja": "ワンタイム開(張出し)速度設定",
        "en": "One-time opening (extension) speed setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "low",
          "medium",
          "high",
          "none"
        ],
        "values": [
          {
            "value": "low",
            "descriptions": {
              "ja": "低",
              "en": "Low"
            },
            "edt": "0x41"
          },
          {
            "value": "medium",
            "descriptions": {
```


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```
                "ja": "中",
                "en": "Medium"
              },
              "edt": "0x42"
            },
            {
              "value": "high",
              "descriptions": {
                "ja": "高",
                "en": "High"
              },
              "edt": "0x43"
            },
            {
              "value": "none",
              "descriptions": {
                "ja": "無し",
                "en": "None"
              },
              "edt": "0x44"
            }
          ]
        }
      },
      "oneTimeClosingSpeed": {
        "epc": "0xEF",
        "descriptions": {
          "ja": "ワンタイム閉(収納)速度設定",
          "en": "One-time closing (retraction) speed setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "low",
            "medium",
            "high",
            "none"
          ],
          "values": [
            {
              "value": "low",
              "descriptions": {
                "ja": "低",
                "en": "Low"
              },
              "edt": "0x41"
            },
            {
              "value": "medium",
              "descriptions": {
                "ja": "中",
                "en": "Medium"
              },
              "edt": "0x42"
            },
            {
              "value": "high",
              "descriptions": {
                "ja": "高",
                "en": "High"
              },
              "edt": "0x43"
            },
```


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```
            {
              "value": "none",
              "descriptions": {
                "ja": "無し",
                "en": "None"
              },
              "edt": "0x44"
            }
          ]
        }
      }
    }
  }
```


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電動雨戸/シャッター:electricRainDoor:0x0263

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
faultDescription	GET	string	0x89	異常内容(復帰可能な異常) Fault description (Recoverable faults)	
timerOperationMode	GET, PUT	boolean	0x90	タイマ動作設定 Timer operation setting	
openingSpeed	GET, PUT	string	0xD0	開速度設定 Opening speed setting	
closingSpeed	GET, PUT	string	0xD1	閉速度設定 Closing speed setting	
operationTime	GET, PUT	number	0xD2	動作時間設定値 Operation time	
openCloseOperation	GET, PUT	string	0xE0	開閉動作設定 Open/close operation setting	
degreeOfOpening	GET, PUT	number	0xE1	開度レベル設定 Degree-of-opening setting	
blindAngle	GET, PUT	number	0xE2	ブラインド角度設定値 Blind angle setting	
openCloseSpeed	GET, PUT	string	0xE3	開閉速度設定 Opening/closing speed setting	
electricLock	GET, PUT	boolean	0xE5	電気錠設定 Electric lock setting	
remoteOperation	GET	boolean	0xE8	遠隔操作設定状態 Remote operation setting status	
selectiveDegreeOfOpening	GET, PUT	string	0xE9	選択開度動作設定 Selective degree-of-opening setting	
openCloseStatus	GET	string	0xEA	開閉状態 Open/closed status	
slitDegreeOfOpening	GET, PUT	number	0xED	スリット開度設定 Slit degree-of-opening	
oneTimeOpeningSpeed	GET, PUT	string	0xEE	ワンタイム開速度設定 One-time opening speed setting	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
oneTimeClosingSpeed	GET, PUT	string	0xEF	ワンタイム閉速度設定 One-time closing speed setting	

Device Description


```
{
  "deviceType": "electricRainDoor",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x0263",
  "descriptions": {
    "ja": "電動雨戸・シャッター",
    "en": "Electrically operated rain sliding door/shutter"
  },
  "properties": {
    "faultDescription": {
      "epc": "0x89",
      "descriptions": {
        "ja": "異常内容(復帰可能な異常)",
        "en": "Fault description (Recoverable faults)"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "string",
        "enum": [
          "NoFault",
          "trunOffOrUnplug",
          "resetButton",
          "SetIncorrectly",
          "supply",
          "cleaning",
          "changingBattery",
          "userDefinable",
          "abnormalEventOrSafety",
          "switch",
          "SensorSystem",
          "component",
          "controlCircuitBoard",
          "userDefinable",
          "Fault",
          "obstacleCaught",
          "outageRecovery",
          "timeOut",
          "batteryLow"
        ],
        "values": [
          {
            "value": "NoFault",
            "descriptions": {
              "ja": "異常なし",
              "en": "No fault"
            },
            "edt": "0x0000"
          },
          {
            "value": "trunOffOrUnplug",
            "descriptions": {
```


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```
                "ja": "スイッチを切る/コンセントを抜き再操作",
                "en": "Faults that can be recovered from by turn off the power or unplug and
reoperate."
              },
              "edt": "0x0001"
            },
            {
              "value": "resetButton",
              "descriptions": {
                "ja": "リセットボタンを押し再操作",
                "en": "Faults that can be recovered from by pressing the reset button."
              },
              "edt": "0x0002"
            },
            {
              "value": "SetIncorrectly",
              "descriptions": {
                "ja": "セット不良",
                "en": "Device set incorrectly"
              },
              "edt": "0x0003"
            },
            {
              "value": "supply",
              "descriptions": {
                "ja": "補給",
                "en": "Supply"
              },
              "edt": "0x0004"
            },
            {
              "value": "cleaning",
              "descriptions": {
                "ja": "掃除（フィルタ等）",
                "en": "Cleaning (filters, etc.)"
              },
              "edt": "0x0005"
            },
            {
              "value": "changingBattery",
              "descriptions": {
                "ja": "電池交換",
                "en": "Changing the battery"
              },
              "edt": "0x0006"
            },
            {
              "value": "userDefinable",
              "descriptions": {
                "ja": "ユーザ定義領域",
                "en": "User-definable domain"
              },
              "edt": "0x0009"
            },
            {
              "value": "abnormalEventOrSafety",
              "descriptions": {
                "ja": "異常現象／安全装置作動",
                "en": "Abnormal event or the tripping of a safety device."
              },
              "edt": "0x000a...0x0013"
            },
            {
              "value": "switch",
              "descriptions": {
```


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```
            "ja": "スイッチ異常",
            "en": "Fault in a switch."
          },
          "edt": "0x0014...0x001D"
        },
        {
          "value": "SensorSystem",
          "descriptions": {
            "ja": "センサ異常",
            "en": "Fault in the sensor system"
          },
          "edt": "0x001E...0x003B"
        },
        {
          "value": "component",
          "descriptions": {
            "ja": "機能部品異常",
            "en": "Fault in a component such as an actuator."
          },
          "edt": "0x003C...0x0059"
        },
        {
          "value": "controlCircuitBoard",
          "descriptions": {
            "ja": "制御基板異常",
            "en": "Fault in a control circuit board."
          },
          "edt": "0x005A...0x006E"
        },
        {
          "value": "userDefinable",
          "descriptions": {
            "ja": "ユーザ定義領域",
            "en": "User-definable domain"
          },
          "edt": "0x006F...0x03E8"
        },
        {
          "value": "Fault",
          "descriptions": {
            "ja": "異常あり",
            "en": "Fault"
          },
          "edt": "0x03FF"
        },
        {
          "value": "obstacleCaught",
          "descriptions": {
            "ja": "障害物挟込み",
            "en": "Obstacle caught"
          },
          "edt": "0x0402"
        },
        {
          "value": "outageRecovery",
          "descriptions": {
            "ja": "停電復帰",
            "en": "Recovery from outage"
          },
          "edt": "0x0502"
        },
        {
          "value": "timeOut",
          "descriptions": {
            "ja": "タイムアウト",
```


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```
                "en": "Time out"
              },
              "edt": "0x0602"
            },
            {
              "value": "batteryLow",
              "descriptions": {
                "ja": "電池残量低下",
                "en": "Battery low"
              },
              "edt": "0x0702"
            }
          ]
        },
        "note": {
          "ja": "下位1バイトは、スーパークラスのリセットボタンを押し再操作(0x02)固定。上位1バイトは、復帰可能な異常内容を小分類まで定義。0x45～0xFFはユーザ定義",
          "en": "Lower-order one byte: Restarting the device by performing a reset operation = 0x02. Higher-order one byte: The detailed fault classification. 0x45 to 0xFF are defined by user."
        }
      },
      "timerOperationMode": {
        "epc": "0x90",
        "descriptions": {
          "ja": "タイマ動作設定",
          "en": "Timer operation setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ON",
                "en": "ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "OFF",
                "en": "OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "openingSpeed": {
        "epc": "0xD0",
        "descriptions": {
          "ja": "開速度設定",
          "en": "Opening speed setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "low",
            "medium",
            "high"
```


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```
          ],
          "values": [
            {
              "value": "low",
              "descriptions": {
                "ja": "低",
                "en": "Low"
              },
              "edt": "0x41"
            },
            {
              "value": "medium",
              "descriptions": {
                "ja": "中",
                "en": "Medium"
              },
              "edt": "0x42"
            },
            {
              "value": "high",
              "descriptions": {
                "ja": "高",
                "en": "High"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "closingSpeed": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "閉速度設定",
          "en": "Closing speed setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "low",
            "medium",
            "high"
          ],
          "values": [
            {
              "value": "low",
              "descriptions": {
                "ja": "低",
                "en": "Low"
              },
              "edt": "0x41"
            },
            {
              "value": "medium",
              "descriptions": {
                "ja": "中",
                "en": "Medium"
              },
              "edt": "0x42"
            },
            {
              "value": "high",
              "descriptions": {
                "ja": "高",
```


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```
                "en": "High"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "operationTime": {
        "epc": "0xD2",
        "descriptions": {
          "ja": "動作時間設定値",
          "en": "Operation time"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "second",
          "minimum": 0,
          "maximum": 253
        }
      },
      "openCloseOperation": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "開閉動作設定",
          "en": "Open/close operation setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "open",
            "close",
            "stop"
          ],
          "values": [
            {
              "value": "open",
              "descriptions": {
                "ja": "開",
                "en": "Open"
              },
              "edt": "0x41"
            },
            {
              "value": "close",
              "descriptions": {
                "ja": "閉",
                "en": "Close"
              },
              "edt": "0x42"
            },
            {
              "value": "stop",
              "descriptions": {
                "ja": "停止",
                "en": "Stop"
              },
              "edt": "0x43"
            }
          ]
        }
      },
```


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```
      "degreeOfOpening": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "開度レベル設定",
          "en": "Degree-of-opening setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "blindAngle": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "ブラインド角度設定値",
          "en": "Blind angle setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "degree",
          "minimum": 0,
          "maximum": 180
        }
      },
      "openCloseSpeed": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "開閉速度設定",
          "en": "Opening/closing speed setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "low",
            "medium",
            "high"
          ],
          "values": [
            {
              "value": "low",
              "descriptions": {
                "ja": "低",
                "en": "Low"
              },
              "edt": "0x41"
            },
            {
              "value": "medium",
              "descriptions": {
                "ja": "中",
                "en": "Medium"
              },
              "edt": "0x42"
            },
            {
              "value": "high",
              "descriptions": {
```


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```
                "ja": "高",
                "en": "High"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "electricLock": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "電気錠設定",
          "en": "Electric lock setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "施錠",
                "en": "Lock"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "解錠",
                "en": "Unlock"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "remoteOperation": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "遠隔操作設定状態",
          "en": "Remote operation setting status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ON (許可)",
                "en": "ON (permitted)"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "OFF (禁止)",
                "en": "OFF (prohibited)"
              },
              "edt": "0x42"
            }
```


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```
          ]
        }
      },
      "selectiveDegreeOfOpening": {
        "epc": "0xE9",
        "descriptions": {
          "ja": "選択開度動作設定",
          "en": "Selective degree-of-opening setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "degreeOfOpening",
            "operationTimeOfOpening",
            "operationTimeOfClosing",
            "localSetting",
            "slitDegreeOfOpening"
          ],
          "values": [
            {
              "value": "degreeOfOpening",
              "descriptions": {
                "ja": "開度レベル設定位置開",
                "en": "Degree-of-opening setting position: Open"
              },
              "edt": "0x41"
            },
            {
              "value": "operationTimeOfOpening",
              "descriptions": {
                "ja": "動作時間設定値開",
                "en": "Operation time setting value: Open"
              },
              "edt": "0x42"
            },
            {
              "value": "operationTimeOfClosing",
              "descriptions": {
                "ja": "動作時間設定値閉",
                "en": "Operation time setting value: Close"
              },
              "edt": "0x43"
            },
            {
              "value": "localSetting",
              "descriptions": {
                "ja": "ローカル設定位置",
                "en": "Local setting position"
              },
              "edt": "0x44"
            },
            {
              "value": "slitDegreeOfOpening",
              "descriptions": {
                "ja": "スリット開度設定",
                "en": "Slit degree-of-opening setting"
              },
              "edt": "0x45"
            }
          ]
        },
        "note": {
          "ja": "0x46以降はユーザ定義(開度レベル設定のショートカットなど)",
```


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```
          "en": "0x46 to 0xFF are defined by user. (Shortcut to degree-of-opening setting, etc.)"
        }
      },
      "openCloseStatus": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "開閉状態",
          "en": "Open/closed status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "fullyOpen",
            "fullyClosed",
            "opening",
            "closing",
            "stoppedHalfway"
          ],
          "values": [
            {
              "value": "fullyOpen",
              "descriptions": {
                "ja": "全開",
                "en": "Fully open"
              },
              "edt": "0x41"
            },
            {
              "value": "fullyClosed",
              "descriptions": {
                "ja": "全閉",
                "en": "Fully closed"
              },
              "edt": "0x42"
            },
            {
              "value": "opening",
              "descriptions": {
                "ja": "開動作中",
                "en": "Opening"
              },
              "edt": "0x43"
            },
            {
              "value": "closing",
              "descriptions": {
                "ja": "閉動作中",
                "en": "Closing"
              },
              "edt": "0x44"
            },
            {
              "value": "stoppedHalfway",
              "descriptions": {
                "ja": "途中停止",
                "en": "Stopped halfway"
              },
              "edt": "0x45"
            }
          ]
        }
      },
      "slitDegreeOfOpening": {
```


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```
        "epc": "0xED",
        "descriptions": {
          "ja": "スリット開度設定",
          "en": "Slit degree-of-opening"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 8,
          "multipleOf": 1
        },
        "note": {
          "ja": "開度レベルを8段階で指定。1が最も開状態、8が最も閉状態(全閉ではない)",
          "en": "Used to specify the degree-of-opening by 8 levels. The property value is 1 for the
most open status and 8 for the most closed status (not fully closed)."
        }
      },
      "oneTimeOpeningSpeed": {
        "epc": "0xEE",
        "descriptions": {
          "ja": "ワンタイム開速度設定",
          "en": "One-time opening speed setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "low",
            "medium",
            "high",
            "none"
          ],
          "values": [
            {
              "value": "low",
              "descriptions": {
                "ja": "低",
                "en": "Low"
              },
              "edt": "0x41"
            },
            {
              "value": "medium",
              "descriptions": {
                "ja": "中",
                "en": "Medium"
              },
              "edt": "0x42"
            },
            {
              "value": "high",
              "descriptions": {
                "ja": "高",
                "en": "High"
              },
              "edt": "0x43"
            },
            {
              "value": "none",
              "descriptions": {
                "ja": "無し",
                "en": "None"
```


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```
            },
            "edt": "0x44"
          }
        ]
      }
    },
    "oneTimeClosingSpeed": {
      "epc": "0xEF",
      "descriptions": {
        "ja": "ワンタイム閉速度設定",
        "en": "One-time closing speed setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "low",
          "medium",
          "high",
          "none"
        ],
        "values": [
          {
            "value": "low",
            "descriptions": {
              "ja": "低",
              "en": "Low"
            },
            "edt": "0x41"
          },
          {
            "value": "medium",
            "descriptions": {
              "ja": "中",
              "en": "Medium"
            },
            "edt": "0x42"
          },
          {
            "value": "high",
            "descriptions": {
              "ja": "高",
              "en": "High"
            },
            "edt": "0x43"
          },
          {
            "value": "none",
            "descriptions": {
              "ja": "無し",
              "en": "None"
            },
            "edt": "0x44"
          }
        ]
      }
    }
  }
}
```


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電気温水器:electricWaterHeater:0x026B

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
onTimerReservation	GET, PUT	boolean	0x90	ONタイマ予約設定 ON timer setting	
onTimerTime	GET, PUT	string	0x91	ONタイマ時刻設定値 ON timer setting	
automaticWaterHeating	GET, PUT	string	0xB0	沸き上げ自動設定 Automatic water heating setting	
automaticWaterHeatingTemperatureControl	GET, PUT	boolean	0xB1	沸き上げ湯温自動設定 Automatic water temperature control setting	
waterHeatingStatus	GET	boolean	0xB2	沸き上げ中状態 Water heater status	
targetWaterHeatingTemperature	GET, PUT	number, string	0xB3	沸き上げ湯温設定値 Water heating temperature setting	
heatingStopDays	GET, PUT	number, string	0xB4	手動沸き上げ停止日数設定値 Manual water heating stop days setting	
relativeTimeHeatingOff	GET, PUT	string	0xB5	手動沸き上げOFFタイマ相対時間設定値 Relative time setting value for manual water heating OFF	
tankOperationMode	GET, PUT	string	0xB6	タンク運転モード設定 Tank operation mode setting	
daytimeReheatingPermission	GET, PUT	boolean	0xC0	昼間沸き増し許可設定 Daytime reheating permission setting	
tankWaterTemperature	GET	number	0xC1	温水器湯温計測値 Measured temperature of water in water heater	
alarmStatus	GET	object	0xC2	警報発生状態 Alarm status	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
hotWaterSupplyStatus	GET	boolean	0xC3	給湯中状態 Hot water supply status	
relativeTimeKeepingTemperature	GET, PUT	string	0xC4	風呂保温運転相対時間設定値 Relative time setting for keeping bath temperature	
energyShiftParticipation	GET, PUT	boolean	0xC7	エネルギーシフト参加状態 Participation in energy shift	
standardTimeToStartHeating	GET	number	0xC8	沸き上げ開始基準時刻 Standard time to start heating	
numberOfEnergyShifts	GET	number	0xC9	エネルギーシフト回数 Number of energy shifts	
waterHeatingShiftTime1	GET, PUT	string, string	0xCA	昼間沸き上げシフト時刻1 Daytime heating shift time 1	
estimatedElectricEnergyAtShiftTime1	GET	object	0xCB	昼間沸き上げシフト時刻1での沸き上げ予測電力量 Expected electric energy at daytime heating shift time 1	
electricEnergyConsumptionRate1	GET	object	0xCC	時間あたり消費電力量1 Consumption of electric energy per hour 1	
waterHeatingShiftTime2	GET, PUT	string, string	0xCD	昼間沸き上げシフト時刻2 Daytime heating shift time 2	
estimatedElectricEnergyAtShiftTime2	GET	object	0xCE	昼間沸き上げシフト時刻2での沸き上げ予測電力量 Expected electric energy at daytime heating shift time 2	
electricEnergyConsumptionRate2	GET	object	0xCF	時間あたり消費電力量2 Consumption of electric energy per hour 2	
targetSuppliedWaterTemperature	GET, PUT	number	0xD1	給湯温度設定値 Temperature of supplied water setting	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
targetBathWaterTemperature	GET, PUT	number	0xD3	風呂温度設定値 Bath water temperature setting	
bathWaterVolume4	GET, PUT	number	0xD4	風呂湯量設定4 Bath water volume setting4	
maximumAllowableWaterVolume4	GET	number	0xD5	風呂湯量設定4設定可能最大レベル Bath water volume setting4 maximum settable level	
volume	GET, PUT	number	0xD6	音量設定値 Volume setting	
mute	GET, PUT	boolean	0xD7	ミュート設定 Mute setting	
remainingWaterVolume	GET	number	0xD8	給湯可能湯量値 Remaining hot water volume	
surplusPowerPrediction	GET, PUT	object	0xD9	余剰電力量予測値 Surplus electric energy power prediction value	
winterRatedPower	GET	number	0xDB	冬季H/Pユニット定格消費電力 Rated power consumption of H/P unit in wintertime	
betweenSeasonRatedPower	GET	number	0xDC	中間期H/Pユニット定格消費電力 Rated power consumption of H/P unit in in-between seasons	
summerRatedPower	GET	number	0xDD	夏季H/Pユニット定格消費電力 Rated power consumption of H/P unit in summertime	
targetWaterHeatingVolume	GET, PUT	number	0xE0	沸き上げ湯量設定値 Bath water volume setting	
remainingWater	GET	number	0xE1	残湯量計測値 Measured amount of water remaining in tank	
tankCapacity	GET	number	0xE2	タンク容量値 Tank capacity	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
automaticBathOperation	GET, PUT	boolean	0xE3	風呂自動モード設定 Automatic Bath Water Heating Mode Setting	
bathReheatingOperation	GET, PUT	boolean	0xE4	手動風呂追い焚き動作設定 Manual bath reheating operation setting	
bathHotWaterAddition	GET, PUT	boolean	0xE5	手動風呂足し湯動作設定 Manual bath hot water addition function setting	
bathLukewarmWaterFunction	GET, PUT	boolean	0xE6	手動風呂ぬるめ動作設定 Manual lukewarm water temperature lowering function setting.	
bathWaterVolume1	GET, PUT	number	0xE7	風呂湯量設定1 Bath water volume setting 1	
bathWaterVolume2	GET, PUT	number	0xE8	風呂湯量設定2 Bath water volume setting 2	
bathroomPriority	GET	boolean	0xE9	浴室優先設定 Bathroom priority setting	
bathOperationStatusMonitor	GET	string	0xEA	風呂動作状態監視 Bath Operation Status Monitor	
bathWaterVolume3	GET, PUT	number	0xEE	風呂湯量設定3 Bath water volume setting 3	

Device Description

```
{
  "deviceType": "electricWaterHeater",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x026B",
  "descriptions": {
    "ja": "電気温水器",
    "en": "Electric water heater"
  },
  "properties": {
    "onTimerReservation": {
      "epc": "0x90",
      "descriptions": {
        "ja": "ONタイマ予約設定",
        "en": "ON timer setting"
      },
      "writable": true,
```


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```
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "予約入",
                "en": "Reservation ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "予約切",
                "en": "Reservation OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "onTimerTime": {
        "epc": "0x91",
        "descriptions": {
          "ja": "ONタイマ時刻設定値",
          "en": "ON timer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "秒の指定は無視される",
          "en": "Number of seconds is ignored."
        }
      },
      "automaticWaterHeating": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "沸き上げ自動設定",
          "en": "Automatic water heating setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "auto",
            "manualNoHeating",
            "manualHeating"
          ],
          "values": [
            {
              "value": "auto",
              "descriptions": {
                "ja": "自動沸き上げ",
                "en": "Automatic water heating function used"
              },
              "edt": "0x41"
            },
            {
```


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```
            "value": "manualNoHeating",
            "descriptions": {
              "ja": "手動沸き上げ停止",
              "en": "Non-automatic water heating function stopped"
            },
            "edt": "0x43"
          },
          {
            "value": "manualHeating",
            "descriptions": {
              "ja": "手動沸き上げ",
              "en": "Non-automatic water heating function used"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "automaticWaterHeatingTemperatureControl": {
      "epc": "0xB1",
      "descriptions": {
        "ja": "沸き上げ湯温自動設定",
        "en": "Automatic water temperature control setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "Auto",
              "en": "Automatic water temperature control function used"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "非Auto",
              "en": "Automatic water temperature control function not used"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "waterHeatingStatus": {
      "epc": "0xB2",
      "descriptions": {
        "ja": "沸き上げ中状態",
        "en": "Water heater status"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "沸き上げ中",
              "en": "Heating"
            },
```


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```
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "非沸き上げ中",
              "en": "Not heating"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "targetWaterHeatingTemperature": {
      "epc": "0xB3",
      "descriptions": {
        "ja": "沸き上げ湯温設定値",
        "en": "Water heating temperature setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "Celsius",
            "minimum": 0,
            "maximum": 100
          },
          {
            "type": "string",
            "enum": [
              "undefined"
            ],
            "values": [
              {
                "value": "undefined",
                "descriptions": {
                  "ja": "不明",
                  "en": "Undefined"
                },
                "edt": "0xFD"
              }
            ]
          }
        ]
      }
    },
    "heatingStopDays": {
      "epc": "0xB4",
      "descriptions": {
        "ja": "手動沸き上げ停止日数設定値",
        "en": "Manual water heating stop days setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "days",
            "minimum": 0,
            "maximum": 252
          },
          {
```


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```
            "type": "string",
            "enum": [
              "infinite"
            ],
            "values": [
              {
                "value": "infinite",
                "descriptions": {
                  "ja": "無限",
                  "en": "No time limit"
                },
                "edt": "0xFD"
              }
            ]
          }
        ]
      }
    },
    "relativeTimeHeatingOff": {
      "epc": "0xB5",
      "descriptions": {
        "ja": "手動沸き上げOFFタイマ相対時間設定値",
        "en": "Relative time setting value for manual water heating OFF"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "format": "time"
      },
      "note": {
        "ja": "秒の指定は無視される",
        "en": "Number of seconds is ignored."
      }
    },
    "tankOperationMode": {
      "epc": "0xB6",
      "descriptions": {
        "ja": "タンク運転モード設定",
        "en": "Tank operation mode setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "standard",
          "saving",
          "extra"
        ],
        "values": [
          {
            "value": "standard",
            "descriptions": {
              "ja": "標準",
              "en": "Standard"
            },
            "edt": "0x41"
          },
          {
            "value": "saving",
            "descriptions": {
              "ja": "節約",
              "en": "Saving"
            },
```


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```
            "edt": "0x42"
          },
          {
            "value": "extra",
            "descriptions": {
              "ja": "多め",
              "en": "Extra"
            },
            "edt": "0x43"
          }
        ]
      }
    },
    "daytimeReheatingPermission": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "昼間沸き増し許可設定",
        "en": "Daytime reheating permission setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "昼間沸き増し許可",
              "en": "Daytime reheating permitted"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "昼間沸き増し禁止",
              "en": "Daytime reheating not permitted"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "tankWaterTemperature": {
      "epc": "0xC1",
      "descriptions": {
        "ja": "温水器湯温計測値",
        "en": "Measured temperature of water in water heater"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Celsius",
        "minimum": 0,
        "maximum": 100
      }
    },
    "alarmStatus": {
      "epc": "0xC2",
      "descriptions": {
        "ja": "警報発生状態",
        "en": "Alarm status"
      },
      "writable": false,
```


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```
        "observable": true,
        "schema": {
          "type": "object",
          "properties": {
            "noHotWater": {
              "descriptions": {
                "ja": "湯切れ警報",
                "en": "No Hot Water"
              },
              "type": "boolean",
              "values": [
                {
                  "value": false,
                  "descriptions": {
                    "ja": "発生",
                    "en": "Alarm"
                  },
                  "edt": "0x01"
                },
                {
                  "value": true,
                  "descriptions": {
                    "ja": "正常",
                    "en": "No Alarm"
                  },
                  "edt": "0x00"
                }
              ]
            },
            "leaking": {
              "descriptions": {
                "ja": "漏水警報",
                "en": "Leaking"
              },
              "type": "boolean",
              "values": [
                {
                  "value": false,
                  "descriptions": {
                    "ja": "発生",
                    "en": "Alarm"
                  },
                  "edt": "0x01"
                },
                {
                  "value": true,
                  "descriptions": {
                    "ja": "正常",
                    "en": "No Alarm"
                  },
                  "edt": "0x00"
                }
              ]
            },
            "freezing": {
              "descriptions": {
                "ja": "凍結警報",
                "en": "Freezing"
              },
              "type": "boolean",
              "values": [
                {
                  "value": false,
                  "descriptions": {
                    "ja": "発生",
```


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```
                "en": "Alarm"
              },
              "edt": "0x01"
            },
            {
              "value": true,
              "descriptions": {
                "ja": "正常",
                "en": "No Alarm"
              },
              "edt": "0x00"
            }
          ]
        }
      }
    }
  },
  "hotWaterSupplyStatus": {
    "epc": "0xC3",
    "descriptions": {
      "ja": "給湯中状態",
      "en": "Hot water supply status"
    },
    "writable": false,
    "observable": true,
    "schema": {
      "type": "boolean",
      "values": [
        {
          "value": true,
          "descriptions": {
            "ja": "給湯中",
            "en": "Supplying hot water"
          },
          "edt": "0x41"
        },
        {
          "value": false,
          "descriptions": {
            "ja": "非給湯中",
            "en": "Not supplying hot water"
          },
          "edt": "0x42"
        }
      ]
    }
  },
  "relativeTimeKeepingTemperature": {
    "epc": "0xC4",
    "descriptions": {
      "ja": "風呂保温運転相対時間設定値",
      "en": "Relative time setting for keeping bath temperature"
    },
    "writable": true,
    "observable": false,
    "schema": {
      "type": "string",
      "format": "time"
    },
    "note": {
      "ja": "秒の指定は無視される",
      "en": "Number of seconds is ignored."
    }
  },
  "energyShiftParticipation": {
```


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```
        "epc": "0xC7",
        "descriptions": {
          "ja": "エネルギーシフト参加状態",
          "en": "Participation in energy shift"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "参加",
                "en": "Participation"
              },
              "edt": "0x01"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "不参加",
                "en": "Non Participation"
              },
              "edt": "0x00"
            }
          ]
        }
      },
      "standardTimeToStartHeating": {
        "epc": "0xC8",
        "descriptions": {
          "ja": "沸き上げ開始基準時刻",
          "en": "Standard time to start heating"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number"
        },
        "note": {
          "ja": "20:00,21:00,22:00,23:00,24:00,01:00",
          "en": "20:00,21:00,22:00,23:00,24:00,01:00"
        }
      },
      "numberOfEnergyShifts": {
        "epc": "0xC9",
        "descriptions": {
          "ja": "エネルギーシフト回数",
          "en": "Number of energy shifts"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 2
        },
        "note": {
          "ja": "1回／2回(0x01、0x02)",
          "en": "Once/twice (0x01, 0x02)"
        }
      },
      "waterHeatingShiftTime1": {
        "epc": "0xCA",
```


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```
        "descriptions": {
          "ja": "昼間沸き上げシフト時刻1",
          "en": "Daytime heating shift time 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "string",
              "enum": [
                "at0900",
                "at1000",
                "at1100",
                "at1200",
                "at1300",
                "at1400",
                "at1500",
                "at1600",
                "at1700"
              ],
              "values": [
                {
                  "value": "at0900",
                  "descriptions": {
                    "ja": "9時",
                    "en": "09:00"
                  },
                  "edt": "0x09"
                },
                {
                  "value": "at1000",
                  "descriptions": {
                    "ja": "10時",
                    "en": "10:00"
                  },
                  "edt": "0x0A"
                },
                {
                  "value": "at1100",
                  "descriptions": {
                    "ja": "11時",
                    "en": "11:00"
                  },
                  "edt": "0x0B"
                },
                {
                  "value": "at1200",
                  "descriptions": {
                    "ja": "12時",
                    "en": "12:00"
                  },
                  "edt": "0x0C"
                },
                {
                  "value": "at1300",
                  "descriptions": {
                    "ja": "13時",
                    "en": "13:00"
                  },
                  "edt": "0x0D"
                },
                {
                  "value": "at1400",
                  "descriptions": {
```


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```
                "ja": "14時",
                "en": "14:00"
              },
              "edt": "0x0E"
            },
            {
              "value": "at1500",
              "descriptions": {
                "ja": "15時",
                "en": "15:00"
              },
              "edt": "0x0F"
            },
            {
              "value": "at1600",
              "descriptions": {
                "ja": "16時",
                "en": "16:00"
              },
              "edt": "0x10"
            },
            {
              "value": "at1700",
              "descriptions": {
                "ja": "17時(エネルギーシフト回数が2回の場合はこの値無効になる)",
                "en": "17:00 (this value is nullified if energy shifts occur twice.)"
              },
              "edt": "0x11"
            }
          ]
        },
        {
          "type": "string",
          "enum": [
            "cleared"
          ],
          "values": [
            {
              "value": "cleared",
              "descriptions": {
                "ja": "クリア状態",
                "en": "Undefined"
              },
              "edt": "0x00"
            }
          ]
        }
      ]
    }
  },
  "estimatedElectricEnergyAtShiftTime1": {
    "epc": "0xCB",
    "descriptions": {
      "ja": "昼間沸き上げシフト時刻1での沸き上げ予測電力量",
      "en": "Expected electric energy at daytime heating shift time 1"
    },
    "writable": false,
    "observable": false,
    "schema": {
      "type": "object",
      "properties": {
        "at1000": {
          "descriptions": {
            "ja": "10時",
            "en": "10:00"
```


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```
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 4294967293
          },
          "at1300": {
            "descriptions": {
              "ja": "13時",
              "en": "13:00"
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 4294967293
          },
          "at1500": {
            "descriptions": {
              "ja": "15時",
              "en": "15:00"
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 4294967293
          },
          "at1700": {
            "descriptions": {
              "ja": "17時",
              "en": "17:00"
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 4294967293
          }
        }
      }
    },
    "electricEnergyConsumptionRate1": {
      "epc": "0xCC",
      "descriptions": {
        "ja": "時間あたり消費電力量1",
        "en": "Consumption of electric energy per hour 1"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "at1000": {
            "descriptions": {
              "ja": "10時シフト時",
              "en": "10:00"
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 65533
          },
          "at1300": {
            "descriptions": {
              "ja": "13時シフト時",
              "en": "13:00"
            },
```


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```
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 65533
          },
          "at1500": {
            "descriptions": {
              "ja": "15時シフト時",
              "en": "15:00"
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 65533
          },
          "at1700": {
            "descriptions": {
              "ja": "17時シフト時",
              "en": "17:00"
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 65533
          }
        }
      }
    },
    "waterHeatingShiftTime2": {
      "epc": "0xCD",
      "descriptions": {
        "ja": "昼間沸き上げシフト時刻2",
        "en": "Daytime heating shift time 2"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "string",
            "enum": [
              "at1000",
              "at1100",
              "at1200",
              "at1300",
              "at1400",
              "at1500",
              "at1600",
              "at1700"
            ],
            "values": [
              {
                "value": "at1000",
                "descriptions": {
                  "ja": "10時",
                  "en": "10:00"
                },
                "edt": "0x0A"
              },
              {
                "value": "at1100",
                "descriptions": {
                  "ja": "11時",
                  "en": "11:00"
                },
```


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```
            "edt": "0x0B"
          },
          {
            "value": "at1200",
            "descriptions": {
              "ja": "12時",
              "en": "12:00"
            },
            "edt": "0x0C"
          },
          {
            "value": "at1300",
            "descriptions": {
              "ja": "13時",
              "en": "13:00"
            },
            "edt": "0x0D"
          },
          {
            "value": "at1400",
            "descriptions": {
              "ja": "14時",
              "en": "14:00"
            },
            "edt": "0x0E"
          },
          {
            "value": "at1500",
            "descriptions": {
              "ja": "15時",
              "en": "15:00"
            },
            "edt": "0x0F"
          },
          {
            "value": "at1600",
            "descriptions": {
              "ja": "16時",
              "en": "16:00"
            },
            "edt": "0x10"
          },
          {
            "value": "at1700",
            "descriptions": {
              "ja": "17時",
              "en": "17:00"
            },
            "edt": "0x11"
          }
        ]
      },
      {
        "type": "string",
        "enum": [
          "cleared"
        ],
        "values": [
          {
            "value": "cleared",
            "descriptions": {
              "ja": "クリア状態",
              "en": "Undefined"
            },
            "edt": "0x00"
```


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```
                }
              ]
            }
          ]
        }
      },
      "estimatedElectricEnergyAtShiftTime2": {
        "epc": "0xCE",
        "descriptions": {
          "ja": "昼間沸き上げシフト時刻2での沸き上げ予測電力量",
          "en": "Expected electric energy at daytime heating shift time 2"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "at1300": {
              "descriptions": {
                "ja": "13時",
                "en": "13:00"
              },
              "type": "number",
              "unit": "Wh",
              "minimum": 0,
              "maximum": 4294967293
            },
            "at1500": {
              "descriptions": {
                "ja": "15時",
                "en": "15:00"
              },
              "type": "number",
              "unit": "Wh",
              "minimum": 0,
              "maximum": 4294967293
            },
            "at1700": {
              "descriptions": {
                "ja": "17時",
                "en": "17:00"
              },
              "type": "number",
              "unit": "Wh",
              "minimum": 0,
              "maximum": 4294967293
            }
          }
        }
      },
      "electricEnergyConsumptionRate2": {
        "epc": "0xCF",
        "descriptions": {
          "ja": "時間あたり消費電力量2",
          "en": "Consumption of electric energy per hour 2"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "at1300": {
              "descriptions": {
                "ja": "13時シフト時",
                "en": "13:00"
```


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```
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 65533
          },
          "at1500": {
            "descriptions": {
              "ja": "15時シフト時",
              "en": "15:00"
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 65533
          },
          "at1700": {
            "descriptions": {
              "ja": "17時シフト時",
              "en": "17:00"
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 65533
          }
        }
      }
    },
    "targetSuppliedWaterTemperature": {
      "epc": "0xD1",
      "descriptions": {
        "ja": "給湯温度設定値",
        "en": "Temperature of supplied water setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Celsius",
        "minimum": 0,
        "maximum": 100
      }
    },
    "targetBathWaterTemperature": {
      "epc": "0xD3",
      "descriptions": {
        "ja": "風呂温度設定値",
        "en": "Bath water temperature setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Celsius",
        "minimum": 0,
        "maximum": 100
      }
    },
    "bathWaterVolume4": {
      "epc": "0xD4",
      "descriptions": {
        "ja": "風呂湯量設定4",
        "en": "Bath water volume setting4"
      },
```


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```
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 255
        },
        "note": {
          "ja": "設定可能なステップの最大値は「風呂湯量設定4設定可能最大レベル」で取得する",
          "en": "The maximum allowable step setting shall be acquired with the 'maximum allowable
water volume 4' property."
        }
      },
      "maximumAllowableWaterVolume4": {
        "epc": "0xD5",
        "descriptions": {
          "ja": "風呂湯量設定4設定可能最大レベル",
          "en": "Bath water volume setting4 maximum settable level"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 255
        }
      },
      "volume": {
        "epc": "0xD6",
        "descriptions": {
          "ja": "音量設定値",
          "en": "Volume setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "mute": {
        "epc": "0xD7",
        "descriptions": {
          "ja": "ミュート設定",
          "en": "Mute setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ミュートON",
                "en": "Mute ON"
              },
              "edt": "0x30"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "ミュートOFF",
```


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```
                "en": "Mute OFF"
              },
              "edt": "0x31"
            }
          ]
        }
      },
      "remainingWaterVolume": {
        "epc": "0xD8",
        "descriptions": {
          "ja": "給湯可能湯量値",
          "en": "Remaining hot water volume"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "L",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "surplusPowerPrediction": {
        "epc": "0xD9",
        "descriptions": {
          "ja": "余剰電力量予測値",
          "en": "Surplus electric energy power prediction value"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "month": {
              "descriptions": {
                "ja": "基点日時：月",
                "en": "Base date and time: Month"
              },
              "type": "number",
              "minimum": 1,
              "maximum": 12
            },
            "day": {
              "descriptions": {
                "ja": "基点日時：日",
                "en": "Base date and time: Day"
              },
              "type": "number",
              "minimum": 1,
              "maximum": 31
            },
            "hour": {
              "descriptions": {
                "ja": "基点日時：時",
                "en": "Base date and time: Hour"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 23
            },
            "surplusEnergyPredictionValue": {
              "descriptions": {
                "ja": "１時間単位の余剰電力量予測値",
                "en": "Surplus power prediction value in units of 1 hour"
              },
```


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```
              "type": "array",
              "minItems": 24,
              "maxItems": 24,
              "items": {
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "Wh",
                    "minimum": -327670,
                    "maximum": 327650,
                    "multipleOf": 10
                  },
                  {
                    "type": "string",
                    "enum": [
                      "invalid"
                    ],
                    "values": [
                      {
                        "value": "invalid",
                        "descriptions": {
                          "ja": "無効値",
                          "en": "Invalid data"
                        },
                        "edt": "0x8000"
                      }
                    ]
                  }
                ]
              }
            }
          }
        },
        "note": {
          "ja": "surplusEnergyPredictionValueの配列要素の値が-327680である要素は、無効値を意味する",
          "en": "If the value of an element of surplusEnergyPredictionValue is -327680, the element
means invalid value."
        }
      },
      "winterRatedPower": {
        "epc": "0xDB",
        "descriptions": {
          "ja": "冬季H/Pユニット定格消費電力",
          "en": "Rated power consumption of H/P unit in wintertime"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "betweenSeasonRatedPower": {
        "epc": "0xDC",
        "descriptions": {
          "ja": "中間期H/Pユニット定格消費電力",
          "en": "Rated power consumption of H/P unit in in-between seasons"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
```


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```
          "minimum": 0,
          "maximum": 65533
        }
      },
      "summerRatedPower": {
        "epc": "0xDD",
        "descriptions": {
          "ja": "夏季H/Pユニット定格消費電力",
          "en": "Rated power consumption of H/P unit in summertime"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "targetWaterHeatingVolume": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "沸き上げ湯量設定値",
          "en": "Bath water volume setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "remainingWater": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "残湯量計測値",
          "en": "Measured amount of water remaining in tank"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "L",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "tankCapacity": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "タンク容量値",
          "en": "Tank capacity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "L",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "automaticBathOperation": {
```


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```
        "epc": "0xE3",
        "descriptions": {
          "ja": "風呂自動モード設定",
          "en": "Automatic Bath Water Heating Mode Setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "自動入",
                "en": "Automatic bath water heating mode ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "自動解除",
                "en": "Automatic bath water heating mode OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "bathReheatingOperation": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "手動風呂追い焚き動作設定",
          "en": "Manual bath reheating operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "追い焚き入",
                "en": "Bath reheating ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "追い焚き切",
                "en": "Bath reheating OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "bathHotWaterAddition": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "手動風呂足し湯動作設定",
          "en": "Manual bath hot water addition function setting"
        },
```


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```
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "足し湯入",
                "en": "Addition of hot water function ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "足し湯切",
                "en": "Addition of hot water function OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "bathLukewarmWaterFunction": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "手動風呂ぬるめ動作設定",
          "en": "Manual lukewarm water temperature lowering function setting."
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ぬるめ入",
                "en": "Lukewarm water temperature function ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "ぬるめ切",
                "en": "Lukewarm water temperature function OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "bathWaterVolume1": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "風呂湯量設定1",
          "en": "Bath water volume setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "L",
```


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```
          "minimum": 0,
          "maximum": 253
        }
      },
      "bathWaterVolume2": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "風呂湯量設定2",
          "en": "Bath water volume setting 2"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 8,
          "multipleOf": 1
        }
      },
      "bathroomPriority": {
        "epc": "0xE9",
        "descriptions": {
          "ja": "浴室優先設定",
          "en": "Bathroom priority setting"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "浴室優先入",
                "en": "Priority bath ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "浴室優先切",
                "en": "Priority bath OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "bathOperationStatusMonitor": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "風呂動作状態監視",
          "en": "Bath Operation Status Monitor"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "runningHotWater",
            "noOperation",
            "keepingTemperature"
          ],
          "values": [
```


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```
            {
              "value": "runningHotWater",
              "descriptions": {
                "ja": "湯張り中",
                "en": "Filling hot water"
              },
              "edt": "0x41"
            },
            {
              "value": "noOperation",
              "descriptions": {
                "ja": "停止中",
                "en": "Stopped"
              },
              "edt": "0x42"
            },
            {
              "value": "keepingTemperature",
              "descriptions": {
                "ja": "保温中",
                "en": "Keeping temperature"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "bathWaterVolume3": {
        "epc": "0xEE",
        "descriptions": {
          "ja": "風呂湯量設定3",
          "en": "Bath water volume setting 3"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "L",
          "minimum": 0,
          "maximum": 65533
        }
      }
    }
  }
```


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電気錠:electricLock:0x026F

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
mainElectricLock	GET, PUT	boolean	0xE0	施錠設定1 Lock setting1	
subElectricLock	GET, PUT	boolean	0xE1	施錠設定2 Lock setting 2	
doorGuardLocked	GET	boolean	0xE2	ドアガード施錠状態 Lock status of door guard	
doorOpened	GET	boolean	0xE3	扉開閉状態 Door open/close status	
occupant	GET	boolean	0xE4	在室・不在状態 Occupant/ non-occupant status	
alarmStatus	GET	string	0xE5	警報状態 Alarm status	
autoLockMode	GET, PUT	boolean	0xE6	自動施錠モード設定 Auto lock mode setting	
replaceBatteryLevel	GET, PUT	boolean	0xE7	電池残量状態 Battery level	

Device Description

```
{
  "deviceType": "electricLock",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x026F",
  "descriptions": {
    "ja": "電気錠",
    "en": "Electric lock"
  },
  "properties": {
    "mainElectricLock": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "施錠設定1",
        "en": "Lock setting1"
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
```


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```
                "ja": "施錠",
                "en": "Lock"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "解錠",
                "en": "Unlock"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "subElectricLock": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "施錠設定2",
          "en": "Lock setting 2"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "施錠",
                "en": "Lock"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "解錠",
                "en": "Unlock"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "doorGuardLocked": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "ドアガード施錠状態",
          "en": "Lock status of door guard"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "施錠",
                "en": "Lock"
              },
              "edt": "0x41"
            },
```


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```
            {
              "value": false,
              "descriptions": {
                "ja": "解錠",
                "en": "Unlock"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "doorOpened": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "扉開閉状態",
          "en": "Door open/close status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "開",
                "en": "Open"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "閉",
                "en": "Closed"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "occupant": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "在室・不在状態",
          "en": "Occupant/ non-occupant status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "在室",
                "en": "Occupant"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "不在",
                "en": "Non-occupant"
```


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```
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "alarmStatus": {
      "epc": "0xE5",
      "descriptions": {
        "ja": "警報状態",
        "en": "Alarm status"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "string",
        "enum": [
          "normal",
          "breakOpen",
          "doorOpen",
          "manualUnlocked",
          "tampered"
        ],
        "values": [
          {
            "value": "normal",
            "descriptions": {
              "ja": "通常状態(警報なし)",
              "en": "Normal (no alarm)"
            },
            "edt": "0x40"
          },
          {
            "value": "breakOpen",
            "descriptions": {
              "ja": "こじ開け",
              "en": "Break open"
            },
            "edt": "0x41"
          },
          {
            "value": "doorOpen",
            "descriptions": {
              "ja": "扉開放",
              "en": "Door open"
            },
            "edt": "0x42"
          },
          {
            "value": "manualUnlocked",
            "descriptions": {
              "ja": "手動解錠",
              "en": "Manual unlocked"
            },
            "edt": "0x43"
          },
          {
            "value": "tampered",
            "descriptions": {
              "ja": "タンパ",
              "en": "Tampered"
            },
            "edt": "0x44"
          }
        ]
```


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```
        }
      },
      "autoLockMode": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "自動施錠モード設定",
          "en": "Auto lock mode setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "入",
                "en": "ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "切",
                "en": "OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "replaceBatteryLevel": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "電池残量状態",
          "en": "Battery level"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "交換通知有",
                "en": "Notification of battery replacement"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "通常",
                "en": "Ordinary level"
              },
              "edt": "0x40"
            }
          ]
        }
      }
    }
  }
```


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瞬間式給湯器:instantaneousWaterHeater:0x0272

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
onTimerReservation	GET, PUT	boolean	0x90	風呂自動ONタイマ予約設定 ON timer reservation setting	
onTimerTime	GET, PUT	string	0x91	ONタイマ時刻設定値 ON timer setting	
onTimerRelativeTimeSettingValue	GET, PUT	string	0x92	風呂自動ONタイマ相対時間設定値 Set value of ON timer relative time	
hotWaterHeatingStatus	GET	boolean	0xD0	給湯器燃焼状態 Hot water heating status	
targetSuppliedWaterTemperature	GET, PUT	number	0xD1	給湯温度設定値 Set value of hot water temperature	
hotWaterWarmerSetting	GET, PUT	boolean	0xD2	給湯保温設定 Hot water warmer setting	
bathWaterVolume4	GET, PUT	number	0xD4	風呂湯量設定4 Bath water volume setting 4	
maximumAllowableWaterVolume4	GET	number	0xD5	風呂湯量設定4 設定可能最大レベル Bath water volume setting 4 Maximum settable level	
volume	GET, PUT	number	0xD6	音量設定値 Volume setting	
mute	GET, PUT	boolean	0xD7	ミュート設定 Mute setting	
targetAutomaticOeprationTime	GET, PUT	string, string	0xDA	自動運転時間設定値 Duration of Automatic operation setting	
remainingAutomaticOperationTime	GET	string, string	0xDB	自動運転残時間 Remaining Automatic operation time	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
targetBathWaterTemperature	GET, PUT	number	0xE1	風呂温度設定値 Set value of bath temperature	
bathWaterHeatingStatus	GET	boolean	0xE2	風呂給湯器燃焼状態 Bath water heater status	
automaticBathOperation	GET, PUT	boolean	0xE3	風呂自動モード設定 Bath Auto mode setting	
targetBathAdditionalBoilupOperation	GET, PUT	boolean	0xE4	風呂追い炊き動作設定 Bath additional boil-up operation setting	
bathHotWaterAddition	GET, PUT	boolean	0xE5	風呂足し湯動作設定 Bath hot water adding operation setting	
bathLukewarmWaterFunction	GET, PUT	boolean	0xE6	風呂ぬるめ動作設定 Bath water temperature lowering operation setting	
bathWaterVolume1	GET, PUT	number	0xE7	風呂湯量設定1 Bath hot water volume setting 1	
bathWaterVolume2	GET, PUT	number	0xE8	風呂湯量設定2 Bath hot water volume setting 2	
bathroomPriority	GET	boolean	0xE9	浴室優先設定 Bathroom priority setting	
showerHotWaterSupplyStatus	GET	boolean	0xEA	シャワー給湯状態 Shower hot water supply status	
kitchenHotWaterSupplyStatus	GET	boolean	0xEB	台所給湯状態 Kitchen hot water supply status	
hotWaterWarmerOnTimerReservationSetting	GET, PUT	boolean	0xEC	給湯保温ONタイマ予約設定 Hot water warmer ON timer reservation setting	
targetHotWaterWarmerOnTimerTime	GET, PUT	string	0xED	給湯保温ONタイマ時刻設定値 Set value of hot water warmer ON timer time	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
bathWaterVolume3	GET, PUT	number	0xEE	風呂湯量設定3 Bath hot water volume setting 3	
bathOperationStatus	GET	string	0xEF	風呂動作状態監視 Bath operation status monitor	

Device Description

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{
  "deviceType": "instantaneousWaterHeater",
  "metaData": {
    "version": "1.4.1"
  },
  "eoj": "0x0272",
  "descriptions": {
    "ja": "瞬間式給湯器",
    "en": "Instantaneous water heater"
  },
  "properties": {
    "onTimerReservation": {
      "epc": "0x90",
      "descriptions": {
        "ja": "風呂自動ONタイマ予約設定",
        "en": "ON timer reservation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "予約入",
              "en": "Reservation ON"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "予約切",
              "en": "Reservation OFF"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "onTimerTime": {
      "epc": "0x91",
      "descriptions": {
        "ja": "ONタイマ時刻設定値",
        "en": "ON timer setting"
      },
      "writable": true,
```


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```
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        }
      },
      "onTimerRelativeTimeSettingValue": {
        "epc": "0x92",
        "descriptions": {
          "ja": "風呂自動ONタイマ相対時間設定値",
          "en": "Set value of ON timer relative time"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        }
      },
      "hotWaterHeatingStatus": {
        "epc": "0xD0",
        "descriptions": {
          "ja": "給湯器燃焼状態",
          "en": "Hot water heating status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "給湯燃焼状態有",
                "en": "Hot water heating status found"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "無",
                "en": "Hot water heating status not found"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "targetSuppliedWaterTemperature": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "給湯温度設定値",
          "en": "Set value of hot water temperature"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": 0,
          "maximum": 100
        }
      },
      "hotWaterWarmerSetting": {
```


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```
        "epc": "0xD2",
        "descriptions": {
          "ja": "給湯保温設定",
          "en": "Hot water warmer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "給湯保温動作",
                "en": "Hot water warmer operation"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "給湯保温動作解除",
                "en": "Hot water warmer operation resetting"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "bathWaterVolume4": {
        "epc": "0xD4",
        "descriptions": {
          "ja": "風呂湯量設定4",
          "en": "Bath water volume setting 4"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 255
        }
      },
      "maximumAllowableWaterVolume4": {
        "epc": "0xD5",
        "descriptions": {
          "ja": "風呂湯量設定4 設定可能最大レベル",
          "en": "Bath water volume setting 4 Maximum settable level"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 255
        }
      },
      "volume": {
        "epc": "0xD6",
        "descriptions": {
          "ja": "音量設定値",
          "en": "Volume setting"
        },
        "writable": true,
        "observable": false,
```


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```
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "mute": {
        "epc": "0xD7",
        "descriptions": {
          "ja": "ミュート設定",
          "en": "Mute setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ミュートON",
                "en": "Mute ON"
              },
              "edt": "0x30"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "ミュートOFF",
                "en": "Mute OFF"
              },
              "edt": "0x31"
            }
          ]
        }
      },
      "targetAutomaticOeprationTime": {
        "epc": "0xDA",
        "descriptions": {
          "ja": "自動運転時間設定値",
          "en": "Duration of Automatic operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "string",
              "format": "time"
            },
            {
              "type": "string",
              "enum": [
                "limitless"
              ],
              "values": [
                {
                  "value": "limitless",
                  "descriptions": {
                    "ja": "無限",
                    "en": "Limitless"
                  },
                  "edt": "0xFFFF"
                }
```


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```
            ]
          }
        ]
      }
    },
    "remainingAutomaticOperationTime": {
      "epc": "0xDB",
      "descriptions": {
        "ja": "自動運転残時間",
        "en": "Remaining Automatic operation time"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "string",
            "format": "time"
          },
          {
            "type": "string",
            "enum": [
              "limitless"
            ],
            "values": [
              {
                "value": "limitless",
                "descriptions": {
                  "ja": "無限",
                  "en": "Limitless"
                },
                "edt": "0xFFFF"
              }
            ]
          }
        ]
      }
    },
    "targetBathWaterTemperature": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "風呂温度設定値",
        "en": "Set value of bath temperature"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Celsius",
        "minimum": 0,
        "maximum": 100
      }
    },
    "bathWaterHeatingStatus": {
      "epc": "0xE2",
      "descriptions": {
        "ja": "風呂給湯器燃焼状態",
        "en": "Bath water heater status"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
```


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```
            "value": true,
            "descriptions": {
              "ja": "燃焼状態有",
              "en": "Heating"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "燃焼状態無",
              "en": "Not Heating"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "automaticBathOperation": {
      "epc": "0xE3",
      "descriptions": {
        "ja": "風呂自動モード設定",
        "en": "Bath Auto mode setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "自動入",
              "en": "Auto ON"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "自動切",
              "en": "Auto OFF"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "targetBathAdditionalBoilupOperation": {
      "epc": "0xE4",
      "descriptions": {
        "ja": "風呂追い炊き動作設定",
        "en": "Bath additional boil-up operation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "追い焚き入",
              "en": "Additional boil-up ON"
            },
```


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```
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "追い焚き切",
              "en": "Additional boil-up OFF"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "bathHotWaterAddition": {
      "epc": "0xE5",
      "descriptions": {
        "ja": "風呂足し湯動作設定",
        "en": "Bath hot water adding operation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "足し湯入",
              "en": "Hot water addition ON"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "足し湯切",
              "en": "Hot water addition OFF"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "bathLukewarmWaterFunction": {
      "epc": "0xE6",
      "descriptions": {
        "ja": "風呂ぬるめ動作設定",
        "en": "Bath water temperature lowering operation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "ぬるめ入",
              "en": "Hot water temperature lowering ON"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
```


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```
                "ja": "ぬるめ切",
                "en": "Hot water temperature lowering OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "bathWaterVolume1": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "風呂湯量設定1",
          "en": "Bath hot water volume setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "L",
          "minimum": 0,
          "maximum": 253
        }
      },
      "bathWaterVolume2": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "風呂湯量設定2",
          "en": "Bath hot water volume setting 2"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 8,
          "multipleOf": 1
        }
      },
      "bathroomPriority": {
        "epc": "0xE9",
        "descriptions": {
          "ja": "浴室優先設定",
          "en": "Bathroom priority setting"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "浴室優先入",
                "en": "Bathroom priority ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "入浴優先切",
                "en": "Bathroom priority OFF"
              },
              "edt": "0x42"
            }
```


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```
          ]
        }
      },
      "showerHotWaterSupplyStatus": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "シャワー給湯状態",
          "en": "Shower hot water supply status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "シャワー給湯状態有",
                "en": "Shower hot water supply ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "シャワー給湯状態無",
                "en": "Shower hot water supply OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "kitchenHotWaterSupplyStatus": {
        "epc": "0xEB",
        "descriptions": {
          "ja": "台所給湯状態",
          "en": "Kitchen hot water supply status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "台所湯量状態有",
                "en": "Kitchen hot water supply ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "台所湯量状態無",
                "en": "Kitchen hot water supply OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "hotWaterWarmerOnTimerReservationSetting": {
        "epc": "0xEC",
```


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```
        "descriptions": {
          "ja": "給湯保温ONタイマ予約設定",
          "en": "Hot water warmer ON timer reservation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "予約入",
                "en": "Reservation ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "予約無",
                "en": "Reservation OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "targetHotWaterWarmerOnTimerTime": {
        "epc": "0xED",
        "descriptions": {
          "ja": "給湯保温ONタイマ時刻設定値",
          "en": "Set value of hot water warmer ON timer time"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        }
      },
      "bathWaterVolume3": {
        "epc": "0xEE",
        "descriptions": {
          "ja": "風呂湯量設定3",
          "en": "Bath hot water volume setting 3"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "L",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "bathOperationStatus": {
        "epc": "0xEF",
        "descriptions": {
          "ja": "風呂動作状態監視",
          "en": "Bath operation status monitor"
        },
        "writable": false,
        "observable": true,
        "schema": {
```


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```
          "type": "string",
          "enum": [
            "runningHotWater",
            "noOperation",
            "keepingTemperature"
          ],
          "values": [
            {
              "value": "runningHotWater",
              "descriptions": {
                "ja": "湯張り中",
                "en": "Supplying hot water"
              },
              "edt": "0x41"
            },
            {
              "value": "noOperation",
              "descriptions": {
                "ja": "停止中",
                "en": "Stopped"
              },
              "edt": "0x42"
            },
            {
              "value": "keepingTemperature",
              "descriptions": {
                "ja": "保温中",
                "en": "Keeping bath temperature"
              },
              "edt": "0x43"
            }
          ]
        }
      }
    }
  }
```


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浴室暖房乾燥機:bathroomHeaterDryer:0x0273

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
onTimerReservation1	GET, PUT	boolean	0x90	ONタイマ予約設定1 On timer reservation setting 1	
timeOfOnTimer	GET, PUT	string	0x91	ONタイマ時刻設定値 On timer setting value	
timeOfOffTimer	GET, PUT	string	0x92	ONタイマ相対時間設定値 On relative timer setting value	
offTimerReservation	GET, PUT	boolean	0x94	OFFタイマ予約設定 Off timer reservation setting	
relativeTimeOfOnTimer	GET, PUT	string	0x95	OFFタイマ時刻設定値 OFF timer setting value	
relativeTimeOfOffTimer	GET, PUT	string	0x96	OFFタイマ相対時間設定値 Off relative timer setting value	
operationSetting	GET, PUT	string	0xB0	運転設定 Operation setting	
ventilationSetting	GET, PUT	number, string	0xB1	換気運転設定 Ventilation operation setting	
bathroomPrewarming	GET, PUT	number, string	0xB2	入浴前予備暖房運転設定 Bathroom prewarming operation setting	
bathroomHeating	GET, PUT	number, string	0xB3	入浴中暖房運転設定 Bathroom heating operation setting	
bathroomDrying	GET, PUT	number, string	0xB4	乾燥運転設定 Bathroom drying operation setting	
coolAirCirculation	GET, PUT	number, string	0xB5	涼風運転設定 Cool air circulation operation setting	
mistSauna	GET, PUT	number, string	0xB6	ミストサウナ運転設定 Mist sauna operation setting	
waterMist	GET, PUT	number, string	0xB7	水ミスト運転設定 Water mist operation setting	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
bathroomHumidity	GET	number	0xBA	浴室内相対湿度計測値 Measured value of bathroom relative humidity	
bathroomTemperature	GET	number	0xBB	浴室内温度計測値 Measured value of bathroom temperature	
ventilationAirFlowLevel	GET, PUT	number, string	0xC2	換気風量設定 Ventilation air flow rate setting	
filterCleaningReminderSign	GET, PUT	boolean	0xCF	フィルタサイン設定 Filter cleaning reminder sign setting	
humanBodyDetectionStatus	GET	boolean	0xE0	人体検知状態 Human body detection status	
onTimerReservation2	GET, PUT	string	0xE1	ONタイマ予約設定2 On timer reservation setting 2	

Device Description


```
{
  "deviceType": "bathroomHeaterDryer",
  "metaData": {
    "version": "1.3.0"
  },
  "eoj": "0x0273",
  "descriptions": {
    "ja": "浴室暖房乾燥機",
    "en": "Bathroom heater dryer"
  },
  "properties": {
    "onTimerReservation1": {
      "epc": "0x90",
      "descriptions": {
        "ja": "ONタイマ予約設定1",
        "en": "On timer reservation setting 1"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "予約入",
              "en": "Reservation on"
            },
            "edt": "0x41"
          },
          {
            "value": false,
```


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```
            "descriptions": {
              "ja": "予約切",
              "en": "Reservation off"
            },
            "edt": "0x42"
          }
        ]
      },
      "note": {
        "ja": "ONタイマ予約設定2が別途定義",
        "en": "On timer reservation setting 2 is defined for bathroom heater dryer."
      }
    },
    "timeOfOnTimer": {
      "epc": "0x91",
      "descriptions": {
        "ja": "ONタイマ時刻設定値",
        "en": "On timer setting value"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "format": "time"
      },
      "note": {
        "ja": "秒の指定は無視される",
        "en": "Number of seconds is ignored."
      }
    },
    "timeOfOffTimer": {
      "epc": "0x92",
      "descriptions": {
        "ja": "ONタイマ相対時間設定値",
        "en": "On relative timer setting value"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "format": "time"
      },
      "note": {
        "ja": "秒の指定は無視される",
        "en": "Number of seconds is ignored."
      }
    },
    "offTimerReservation": {
      "epc": "0x94",
      "descriptions": {
        "ja": "OFFタイマ予約設定",
        "en": "Off timer reservation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "予約入",
              "en": "Reservation on"
            },
            "edt": "0x41"
```


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```
            },
            {
              "value": false,
              "descriptions": {
                "ja": "予約切",
                "en": "Reservation off"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "relativeTimeOfOnTimer": {
        "epc": "0x95",
        "descriptions": {
          "ja": "OFFタイマ時刻設定値",
          "en": "OFF timer setting value"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "秒の指定は無視される",
          "en": "Number of seconds is ignored."
        }
      },
      "relativeTimeOfOffTimer": {
        "epc": "0x96",
        "descriptions": {
          "ja": "OFFタイマ相対時間設定値",
          "en": "Off relative timer setting value"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "秒の指定は無視される",
          "en": "Number of seconds is ignored."
        }
      },
      "operationSetting": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "運転設定",
          "en": "Operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "ventilation",
            "prewarming",
            "heating",
            "drying",
            "circulation",
            "mistSauna",
            "waterMist",
            "stop"
```


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```
        ],
        "values": [
          {
            "value": "ventilation",
            "descriptions": {
              "ja": "換気運転",
              "en": "Ventilation"
            },
            "edt": "0x10"
          },
          {
            "value": "prewarming",
            "descriptions": {
              "ja": "入浴前予備暖房運転",
              "en": "Prewarming operation"
            },
            "edt": "0x20"
          },
          {
            "value": "heating",
            "descriptions": {
              "ja": "入浴中暖房運転",
              "en": "Heating operation"
            },
            "edt": "0x30"
          },
          {
            "value": "drying",
            "descriptions": {
              "ja": "乾燥運転",
              "en": "Drying operation"
            },
            "edt": "0x40"
          },
          {
            "value": "circulation",
            "descriptions": {
              "ja": "涼風運転",
              "en": "Circulation"
            },
            "edt": "0x50"
          },
          {
            "value": "mistSauna",
            "descriptions": {
              "ja": "ミストサウナ運転",
              "en": "Mist sauna operation"
            },
            "edt": "0x60"
          },
          {
            "value": "waterMist",
            "descriptions": {
              "ja": "水ミスト運転",
              "en": "Water mist operation"
            },
            "edt": "0x61"
          },
          {
            "value": "stop",
            "descriptions": {
              "ja": "停止",
              "en": "Stop"
            },
            "edt": "0x00"
```


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```
            }
          ]
        }
      },
      "ventilationSetting": {
        "epc": "0xB1",
        "descriptions": {
          "ja": "換気運転設定",
          "en": "Ventilation operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 8,
              "multipleOf": 1
            },
            {
              "type": "string",
              "enum": [
                "auto",
                "standard"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "自動",
                    "en": "Auto"
                  },
                  "edt": "0x41"
                },
                {
                  "value": "standard",
                  "descriptions": {
                    "ja": "標準",
                    "en": "Standard"
                  },
                  "edt": "0x42"
                }
              ]
            }
          ]
        }
      },
      "bathroomPrewarming": {
        "epc": "0xB2",
        "descriptions": {
          "ja": "入浴前予備暖房運転設定",
          "en": "Bathroom prewarming operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 8,
              "multipleOf": 1
            },
            {
```


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```
            "type": "string",
            "enum": [
              "auto",
              "standard"
            ],
            "values": [
              {
                "value": "auto",
                "descriptions": {
                  "ja": "自動",
                  "en": "Auto"
                },
                "edt": "0x41"
              },
              {
                "value": "standard",
                "descriptions": {
                  "ja": "標準",
                  "en": "Standard"
                },
                "edt": "0x42"
              }
            ]
          }
        ]
      }
    },
    "bathroomHeating": {
      "epc": "0xB3",
      "descriptions": {
        "ja": "入浴中暖房運転設定",
        "en": "Bathroom heating operation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "minimum": 1,
            "maximum": 8,
            "multipleOf": 1
          },
          {
            "type": "string",
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              "standard"
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            "values": [
              {
                "value": "auto",
                "descriptions": {
                  "ja": "自動",
                  "en": "Auto"
                },
                "edt": "0x41"
              },
              {
                "value": "standard",
                "descriptions": {
                  "ja": "標準",
                  "en": "Standard"
                },
                "edt": "0x42"
```


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```
                }
              ]
            }
          ]
        }
      },
      "bathroomDrying": {
        "epc": "0xB4",
        "descriptions": {
          "ja": "乾燥運転設定",
          "en": "Bathroom drying operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 8,
              "multipleOf": 1
            },
            {
              "type": "string",
              "enum": [
                "auto",
                "standard"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "自動",
                    "en": "Auto"
                  },
                  "edt": "0x41"
                },
                {
                  "value": "standard",
                  "descriptions": {
                    "ja": "標準",
                    "en": "Standard"
                  },
                  "edt": "0x42"
                }
              ]
            }
          ]
        }
      },
      "coolAirCirculation": {
        "epc": "0xB5",
        "descriptions": {
          "ja": "涼風運転設定",
          "en": "Cool air circulation operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 8,
              "multipleOf": 1
```


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```
            },
            {
              "type": "string",
              "enum": [
                "auto",
                "standard"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "自動",
                    "en": "Auto"
                  },
                  "edt": "0x41"
                },
                {
                  "value": "standard",
                  "descriptions": {
                    "ja": "標準",
                    "en": "Standard"
                  },
                  "edt": "0x42"
                }
              ]
            }
          ]
        }
      },
      "mistSauna": {
        "epc": "0xB6",
        "descriptions": {
          "ja": "ミストサウナ運転設定",
          "en": "Mist sauna operation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 8,
              "multipleOf": 1
            },
            {
              "type": "string",
              "enum": [
                "auto",
                "standard"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "自動",
                    "en": "Auto"
                  },
                  "edt": "0x41"
                },
                {
                  "value": "standard",
                  "descriptions": {
                    "ja": "標準",
                    "en": "Standard"
```


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```
                },
                "edt": "0x42"
              }
            ]
          }
        ]
      }
    },
    "waterMist": {
      "epc": "0xB7",
      "descriptions": {
        "ja": "水ミスト運転設定",
        "en": "Water mist operation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "minimum": 1,
            "maximum": 8,
            "multipleOf": 1
          },
          {
            "type": "string",
            "enum": [
              "auto",
              "standard"
            ],
            "values": [
              {
                "value": "auto",
                "descriptions": {
                  "ja": "自動",
                  "en": "Auto"
                },
                "edt": "0x41"
              },
              {
                "value": "standard",
                "descriptions": {
                  "ja": "標準",
                  "en": "Standard"
                },
                "edt": "0x42"
              }
            ]
          }
        ]
      }
    },
    "bathroomHumidity": {
      "epc": "0xBA",
      "descriptions": {
        "ja": "浴室内相対湿度計測値",
        "en": "Measured value of bathroom relative humidity"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
```


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```
        }
      },
      "bathroomTemperature": {
        "epc": "0xBB",
        "descriptions": {
          "ja": "浴室内温度計測値",
          "en": "Measured value of bathroom temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 125
        }
      },
      "ventilationAirFlowLevel": {
        "epc": "0xC2",
        "descriptions": {
          "ja": "換気風量設定",
          "en": "Ventilation air flow rate setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 8,
              "multipleOf": 1
            },
            {
              "type": "string",
              "enum": [
                "auto"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "自動",
                    "en": "Auto"
                  },
                  "edt": "0x41"
                }
              ]
            }
          ]
        }
      },
      "filterCleaningReminderSign": {
        "epc": "0xCF",
        "descriptions": {
          "ja": "フィルタサイン設定",
          "en": "Filter cleaning reminder sign setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
```


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```
            "descriptions": {
              "ja": "点灯",
              "en": "Lit"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "消灯",
              "en": "Not lit"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "humanBodyDetectionStatus": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "人体検知状態",
        "en": "Human body detection status"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "人体検知あり",
              "en": "Detected"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "人体検知なし",
              "en": "Not detected"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "onTimerReservation2": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "ONタイマ予約設定2",
        "en": "On timer reservation setting 2"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "ventilationReservation",
          "prewarmingReservation",
          "heatingReservation",
          "dryingReservation",
          "circulationReservation",
          "mistSaunaReservation",
          "waterMistReservation",
```


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```
            "noReservation"
          ],
          "values": [
            {
              "value": "ventilationReservation",
              "descriptions": {
                "ja": "換気運転予約",
                "en": "Ventilation reservation"
              },
              "edt": "0x10"
            },
            {
              "value": "prewarmingReservation",
              "descriptions": {
                "ja": "入浴前予備暖房運転予約",
                "en": "Prewarming operation reservation"
              },
              "edt": "0x20"
            },
            {
              "value": "heatingReservation",
              "descriptions": {
                "ja": "入浴中暖房運転予約",
                "en": "Heating operation reservation"
              },
              "edt": "0x30"
            },
            {
              "value": "dryingReservation",
              "descriptions": {
                "ja": "乾燥運転予約",
                "en": "Drying operation reservation"
              },
              "edt": "0x40"
            },
            {
              "value": "circulationReservation",
              "descriptions": {
                "ja": "涼風運転予約",
                "en": "Circulation reservation"
              },
              "edt": "0x50"
            },
            {
              "value": "mistSaunaReservation",
              "descriptions": {
                "ja": "ミストサウナ運転予約",
                "en": "Mist sauna operation reservation"
              },
              "edt": "0x60"
            },
            {
              "value": "waterMistReservation",
              "descriptions": {
                "ja": "水ミスト運転予約",
                "en": "Water mist operation reservation"
              },
              "edt": "0x61"
            },
            {
              "value": "noReservation",
              "descriptions": {
                "ja": "予約切",
                "en": "No reservation"
              },
```


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```
            "edt": "0x00"
          }
        ]
      }
    }
  }
}
```


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住宅用太陽光発電:pvPowerGeneration:0x0279

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
outputPowerControl1	GET, PUT	number	0xA0	出力制御設定1 Output power control setting 1	
outputPowerControl2	GET, PUT	number	0xA1	出力制御設定2 Output power control setting 2	
surplusPurchaseControl	GET, PUT	boolean	0xA2	余剰買取制御機能設定 Function to control purchase surplus electricity setting	
outputPowerControlSchedule	GET	object	0xB0	出力制御スケジュール Output power controlling schedule	
updateScheduleDateAndTime	GET	string, string	0xB1	次回アクセス日時 Next access date and time	
surplusPurchaseControlType	GET	boolean	0xB2	余剰買取制御機能タイプ Function to control the type of surplus electricity purchase	
outputPowerChangeTime	GET	number	0xB3	出力変化時間設定値 Output power change time setting value	
upperLimitClip	GET	number, string	0xB4	上限クリップ設定値 Upper limit clip setting value	
operatingPowerFactor	GET	number	0xC0	運転力率設定値 Operation power factor setting value	
contractType	GET, PUT	string	0xC1	FIT契約タイプ FIT contract type	
selfConsumptionType	GET	string	0xC2	自家消費タイプ Self-consumption type	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
approvedCapacity	GET	number, string	0xC3	設備認定容量 Capacity approved by equipment	
conversionCoefficient	GET	number	0xC4	換算係数 Conversion coefficient	
powerSystemInterconnectionStatus	GET	string	0xD0	系統連系状態 System-interconnected type	
outputPowerRestraintStatus	GET	string	0xD1	出力抑制状態 Output power restraint status	
instantaneousElectricPowerGeneration	GET	number	0xE0	瞬時発電電力計測値 Measured instantaneous amount of electricity generated	
cumulativeElectricEnergyOfGeneration	GET	number	0xE1	積算発電電力量計測値 Measured cumulative amount of electric energy generated	
cumulativeElectricEnergySold	GET	number	0xE3	積算売電電力量計測値 Measured cumulative amount of electric energy sold	
powerGenerationOutputLimit1	GET, PUT	number	0xE5	発電電力制限設定1 Power generation output limit setting 1	
powerGenerationOutputLimit2	GET, PUT	number	0xE6	発電電力制限設定2 Power generation output limit setting 2	
limitElectricEnergySold	GET, PUT	number	0xE7	売電電力制限設定 Limit setting for the amount of electricity sold	
ratedElectricPowerOfgeneration	GET, PUT	number, string	0xE8	定格発電電力値(系統連系時) Rated power generation output (System-interconnected)	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
ratedElectricPowerOfgenerationIndependent	GET, PUT	number	0xE9	定格発電電力値(独立時) Rated power generation output (Independent)	

Actions

Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
resetCumulativeElectricEnergyOfGeneration	POST	0xE2	積算発電電力量リセット設定 Resetting cumulative amount of electric energy generated	
resetCumulativeElectricEnergySold	POST	0xE4	積算売電電力量リセット設定 Resetting cumulative amount of electric energy sold	

Device Description

```
{
  "deviceType": "pvPowerGeneration",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0279",
  "descriptions": {
    "ja": "住宅用太陽光発電",
    "en": "Household solar power generation"
  },
  "properties": {
    "outputPowerControl1": {
      "epc": "0xA0",
      "descriptions": {
        "ja": "出力制御設定1",
        "en": "Output power control setting 1"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
      }
    },
    "outputPowerControl2": {
      "epc": "0xA1",
      "descriptions": {
        "ja": "出力制御設定2",
        "en": "Output power control setting 2"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "W",
```


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          "minimum": 0,
          "maximum": 65533
        }
      },
      "surplusPurchaseControl": {
        "epc": "0xA2",
        "descriptions": {
          "ja": "余剰買取制御機能設定",
          "en": "Function to control purchase surplus electricity setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "有効",
                "en": "Valid"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "無効",
                "en": "Invalid"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "outputPowerControlSchedule": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "出力制御スケジュール",
          "en": "Output power controlling schedule"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "startDateAndTime": {
              "descriptions": {
                "ja": "現在年月日",
                "en": "Current date (YYYY: MM: DD)"
              },
              "oneOf": [
                {
                  "type": "string",
                  "format": "date-time"
                },
                {
                  "type": "string",
                  "enum": [
                    "unknown"
                  ],
                  "values": [
                    {
                      "value": "unknown",
                      "descriptions": {
                        "ja": "不明",
```


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```
                        "en": "Unknown"
                      },
                      "edt": "0xFFFFFFFF"
                    }
                  ]
                }
              ]
            },
            "intervalTime": {
              "type": "number",
              "unit": "minutes",
              "minimum": 0,
              "maximum": 1800,
              "multipleOf": 30
            },
            "powerControlRatio": {
              "descriptions": {
                "ja": "0x00～0x64 (0～100%) x 96 (30分毎の値、2日分)",
                "en": "0x00-0x64 (0-100%) x 96 (values every 30 minutes, for 2 days)"
              },
              "type": "array",
              "minItems": 96,
              "maxItems": 96,
              "items": {
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "%",
                    "minimum": 0,
                    "maximum": 100
                  },
                  {
                    "type": "string",
                    "enum": [
                      "undefined"
                    ],
                    "values": [
                      {
                        "value": "undefined",
                        "descriptions": {
                          "ja": "不明",
                          "en": "Unknown"
                        },
                        "edt": "0xFF"
                      }
                    ]
                  }
                ]
              }
            }
          }
        },
        "note": {
          "ja": "本プロパティには、数値が30分毎であることを示すため「intervalTime」が追加されている",
          "en": "intervalTime is added to this property to indicate that the value is every 30
minutes."
        }
      },
      "updateScheduleDateAndTime": {
        "epc": "0xB1",
        "descriptions": {
          "ja": "次回アクセス日時",
          "en": "Next access date and time"
        },
        "writable": false,
```


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      "observable": true,
      "schema": {
        "oneOf": [
          {
            "type": "string",
            "format": "date-time"
          },
          {
            "type": "string",
            "enum": [
              "noControlNoSchedule"
            ],
            "values": [
              {
                "value": "noControlNoSchedule",
                "descriptions": {
                  "ja": "出力制御スケジュールによる出力制御が必要ない太陽光発電および、出力制御スケジュール
が取得できていない場合",
                  "en": "Solar power generation that requires no output power control by output
power controlling schedule and cases where output power controlling schedule has not been acquired"
                },
                "edt": "0xFFFFFFFFFFFFFF"
              }
            ]
          }
        ]
      }
    },
    "surplusPurchaseControlType": {
      "epc": "0xB2",
      "descriptions": {
        "ja": "余剰買取制御機能タイプ",
        "en": "Function to control the type of surplus electricity purchase"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "有効",
              "en": "Valid"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "無効",
              "en": "Invalid"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "outputPowerChangeTime": {
      "epc": "0xB3",
      "descriptions": {
        "ja": "出力変化時間設定値",
        "en": "Output power change time setting value"
      },
      "writable": false,
```


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```
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "second",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "upperLimitClip": {
        "epc": "0xB4",
        "descriptions": {
          "ja": "上限クリップ設定値",
          "en": "Upper limit clip setting value"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 65533
            },
            {
              "type": "string",
              "enum": [
                "noSetting"
              ],
              "values": [
                {
                  "value": "noSetting",
                  "descriptions": {
                    "ja": "設定なし",
                    "en": "No setting"
                  },
                  "edt": "0xFFFF"
                }
              ]
            }
          ]
        },
        "note": {
          "ja": "0xFFFFは未設定を示す",
          "en": "0xFFFF means No setting."
        }
      },
      "operatingPowerFactor": {
        "epc": "0xC0",
        "descriptions": {
          "ja": "運転力率設定値",
          "en": "Operation power factor setting value"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "contractType": {
        "epc": "0xC1",
        "descriptions": {
```


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```
          "ja": "FIT契約タイプ",
          "en": "FIT contract type"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "fit",
            "non_fit",
            "undefined"
          ],
          "values": [
            {
              "value": "fit",
              "descriptions": {
                "ja": "FIT",
                "en": "FIT"
              },
              "edt": "0x41"
            },
            {
              "value": "non_fit",
              "descriptions": {
                "ja": "非FIT",
                "en": "Non-FIT"
              },
              "edt": "0x42"
            },
            {
              "value": "undefined",
              "descriptions": {
                "ja": "未設定",
                "en": "No setting"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "selfConsumptionType": {
        "epc": "0xC2",
        "descriptions": {
          "ja": "自家消費タイプ",
          "en": "Self-consumption type"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "withSelfConsumption",
            "withoutSelfConsumption",
            "unknown"
          ],
          "values": [
            {
              "value": "withSelfConsumption",
              "descriptions": {
                "ja": "自家消費有",
                "en": "With self-consumption"
              },
              "edt": "0x41"
            },
            {
```


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```
            "value": "withoutSelfConsumption",
            "descriptions": {
              "ja": "自家消費無",
              "en": "Without self-consumption"
            },
            "edt": "0x42"
          },
          {
            "value": "unknown",
            "descriptions": {
              "ja": "不明",
              "en": "Unknown"
            },
            "edt": "0x43"
          }
        ]
      }
    },
    "approvedCapacity": {
      "epc": "0xC3",
      "descriptions": {
        "ja": "設備認定容量",
        "en": "Capacity approved by equipment"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "W",
            "minimum": 0,
            "maximum": 65533
          },
          {
            "type": "string",
            "enum": [
              "noSetting"
            ],
            "values": [
              {
                "value": "noSetting",
                "descriptions": {
                  "ja": "設定なし",
                  "en": "No setting"
                },
                "edt": "0xFFFF"
              }
            ]
          }
        ]
      },
      "note": {
        "ja": "0xFFFFは未設定を示す",
        "en": "0xFFFF means No setting."
      }
    },
    "conversionCoefficient": {
      "epc": "0xC4",
      "descriptions": {
        "ja": "換算係数",
        "en": "Conversion coefficient"
      },
      "writable": false,
      "observable": false,
```


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```
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "powerSystemInterconnectionStatus": {
        "epc": "0xD0",
        "descriptions": {
          "ja": "系統連系状態",
          "en": "System-interconnected type"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "reversePowerFlowAcceptable",
            "independent",
            "reversePowerFlowNotAcceptable",
            "unknown"
          ],
          "values": [
            {
              "value": "reversePowerFlowAcceptable",
              "descriptions": {
                "ja": "系統連系(逆潮流可)",
                "en": "System-interconnected type (reverse power flow acceptable)"
              },
              "edt": "0x00"
            },
            {
              "value": "independent",
              "descriptions": {
                "ja": "独立",
                "en": "Independent type"
              },
              "edt": "0x01"
            },
            {
              "value": "reversePowerFlowNotAcceptable",
              "descriptions": {
                "ja": "系統連系(逆潮流不可)",
                "en": "System-interconnected type (reverse power flow not acceptable)"
              },
              "edt": "0x02"
            },
            {
              "value": "unknown",
              "descriptions": {
                "ja": "不明",
                "en": "Unknown"
              },
              "edt": "0x03"
            }
          ]
        }
      },
      "outputPowerRestraintStatus": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "出力抑制状態",
          "en": "Output power restraint status"
        },
```


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```
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "outputControl",
            "exceptControl",
            "reasonUnknown",
            "notPowerRestraint",
            "unknown"
          ],
          "values": [
            {
              "value": "outputControl",
              "descriptions": {
                "ja": "抑制中(出力制御)",
                "en": "Ongoing restraint (output power control)"
              },
              "edt": "0x41"
            },
            {
              "value": "exceptControl",
              "descriptions": {
                "ja": "抑制中(出力制御以外)",
                "en": "Ongoing restraint (except output power control)"
              },
              "edt": "0x42"
            },
            {
              "value": "reasonUnknown",
              "descriptions": {
                "ja": "抑制中(抑制要因不明)",
                "en": "Ongoing restraint (reason for restraint is unknown)"
              },
              "edt": "0x43"
            },
            {
              "value": "notPowerRestraint",
              "descriptions": {
                "ja": "抑制未実施",
                "en": "Not restraining"
              },
              "edt": "0x44"
            },
            {
              "value": "unknown",
              "descriptions": {
                "ja": "不明",
                "en": "Unknown"
              },
              "edt": "0x45"
            }
          ]
        }
      },
      "instantaneousElectricPowerGeneration": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "瞬時発電電力計測値",
          "en": "Measured instantaneous amount of electricity generated"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
```


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```
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "cumulativeElectricEnergyOfGeneration": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "積算発電電力量計測値",
          "en": "Measured cumulative amount of electric energy generated"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        },
        "note": {
          "ja": "積算電力量を0.001kWhで示す。オーバーフロー時は0にリセット",
          "en": "This property indicates cumulative amounts of electric energy in 0.001kWh. The value
is reset to 0 after overflow."
        }
      },
      "cumulativeElectricEnergySold": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "積算売電電力量計測値",
          "en": "Measured cumulative amount of electric energy sold"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        },
        "note": {
          "ja": "売電電力の積算値を0.001kWhで示す。オーバーフロー時は0にリセット",
          "en": "This property indicates cumulative value of sold power in 0.001kWh. The value is
reset to 0 after overflow."
        }
      },
      "powerGenerationOutputLimit1": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "発電電力制限設定1",
          "en": "Power generation output limit setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "powerGenerationOutputLimit2": {
        "epc": "0xE6",
        "descriptions": {
```


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```
          "ja": "発電電力制限設定2",
          "en": "Power generation output limit setting 2"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "limitElectricEnergySold": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "売電電力制限設定",
          "en": "Limit setting for the amount of electricity sold"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "ratedElectricPowerOfgeneration": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "定格発電電力値(系統連系時)",
          "en": "Rated power generation output (System-interconnected)"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 65533
            },
            {
              "type": "string",
              "enum": [
                "noSetting"
              ],
              "values": [
                {
                  "value": "noSetting",
                  "descriptions": {
                    "ja": "設定なし",
                    "en": "No setting"
                  },
                  "edt": "0xFFFF"
                }
              ]
            }
          ]
        },
        "note": {
          "ja": "0xFFFFは未設定を示す",
          "en": "0xFFFF means No setting."
        }
```


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```
      },
      "ratedElectricPowerOfgenerationIndependent": {
        "epc": "0xE9",
        "descriptions": {
          "ja": "定格発電電力値(独立時)",
          "en": "Rated power generation output (Independent)"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      }
    },
    "actions": {
      "resetCumulativeElectricEnergyOfGeneration": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "積算発電電力量リセット設定",
          "en": "Resetting cumulative amount of electric energy generated"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      },
      "resetCumulativeElectricEnergySold": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "積算売電電力量リセット設定",
          "en": "Resetting cumulative amount of electric energy sold"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      }
    }
  }
```


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冷温水熱源機:coldOrHotWaterHeatSourceEquipment:0x027A

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
onTimerReservation	GET, PUT	boolean	0x90	ONタイマ予約設定 ON timer reservation setting	
timeOfOnTimer	GET, PUT	string	0x91	ONタイマ時刻設定値 ON timer setting	
relativeTimeOfOnTimer	GET, PUT	string	0x92	ONタイマ相対時間設定値 Relative ON timer setting	
offTimerReservation	GET, PUT	boolean	0x94	OFFタイマ予約設定 OFF timer reservation setting	
timeOfOffTimer	GET, PUT	string	0x95	OFFタイマ時刻設定値 Time set by OFF timer	
relativeTimeOfOffTimer	GET, PUT	string	0x96	OFFタイマ相対時間設定値 Relative OFF timer setting	
coldWaterTemperatue2MaximumLevel	GET, PUT	number	0xD1	冷水温設定2設定可能最大レベル Cold water temperature setting 2 Maximum allowable setting level	
warmWaterTemperatue2MaximumLevel	GET, PUT	number	0xD2	温水温設定2設定可能最大レベル Warm water temperature setting 2 Maximum allowable setting level	
operationMode	GET, PUT	string	0xE0	運転モード設定 Operation mode setting	
waterTemperature1	GET, PUT	number, string	0xE1	水温設定1 Water temperature setting 1	
waterTemperature2	GET, PUT	number, string	0xE2	水温設定2 Water temperature setting 2	
outwardWaterTemperatureExit	GET	number, string	0xE3	往き水温計測値(出口水温) Measured temperature of outward water (Exit water Temperature)	
inwardWaterTemperatureEntrance	GET	number, string	0xE4	戻り水温計測値(入口水温) Measured temperature of inward water (Entrance water Temperature)	
specialOperation	GET, PUT	string	0xE5	特殊運転設定 Special operation setting	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
dailyTimer	GET, PUT	string	0xE6	デイリータイマー設定 Daily timer setting	
dailyTimer1	GET, PUT	array	0xE7	デイリータイマー1設定 Daily timer setting 1	
dailyTimer2	GET, PUT	array	0xE8	デイリータイマー2設定 Daily timer setting 2	
ratedPowerconsumption	GET	object	0xE9	定格消費電力値 Rated power consumption	
powerConsumptionMeasurementMethod	GET	string	0xEA	消費電力計測方法 Power consumption measurement method	

Device Description

```
{
  "deviceType": "coldOrHotWaterHeatSourceEquipment",
  "metaData": {
    "version": "1.4.1"
  },
  "eoj": "0x027A",
  "descriptions": {
    "ja": "冷温水熱源機",
    "en": "Cold or hot water heat source equipment"
  },
  "properties": {
    "onTimerReservation": {
      "epc": "0x90",
      "descriptions": {
        "ja": "ONタイマ予約設定",
        "en": "ON timer reservation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "予約入",
              "en": "ON"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "予約切",
              "en": "OFF"
            },
            "edt": "0x42"
          }
        ]
```


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```
        }
      },
      "timeOfOnTimer": {
        "epc": "0x91",
        "descriptions": {
          "ja": "ONタイマ時刻設定値",
          "en": "ON timer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        }
      },
      "relativeTimeOfOnTimer": {
        "epc": "0x92",
        "descriptions": {
          "ja": "ONタイマ相対時間設定値",
          "en": "Relative ON timer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        }
      },
      "offTimerReservation": {
        "epc": "0x94",
        "descriptions": {
          "ja": "OFFタイマ予約設定",
          "en": "OFF timer reservation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "予約入",
                "en": "ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "予約切",
                "en": "OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "timeOfOffTimer": {
        "epc": "0x95",
        "descriptions": {
          "ja": "OFFタイマ時刻設定値",
          "en": "Time set by OFF timer"
        },
        "writable": true,
```


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```
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        }
      },
      "relativeTimeOfOffTimer": {
        "epc": "0x96",
        "descriptions": {
          "ja": "OFFタイマ相対時間設定値",
          "en": "Relative OFF timer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        }
      },
      "coldWaterTemperatue2MaximumLevel": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "冷水温設定2設定可能最大レベル",
          "en": "Cold water temperature setting 2 Maximum allowable setting level"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 15,
          "multipleOf": 1
        },
        "note": {
          "ja": "冷房(冷水)水温設定2の最大段階数",
          "en": "The maximum number of steps for cooling (cold water) temperature setting 2"
        }
      },
      "warmWaterTemperatue2MaximumLevel": {
        "epc": "0xD2",
        "descriptions": {
          "ja": "温水温設定2設定可能最大レベル",
          "en": "Warm water temperature setting 2 Maximum allowable setting level"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "number",
          "minimum": 17,
          "maximum": 31,
          "multipleOf": 1
        },
        "note": {
          "ja": "暖房(温水)水温設定2の最大段階数",
          "en": "The maximum number of steps for heating (warm water) temperature setting 2"
        }
      },
      "operationMode": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "運転モード設定",
          "en": "Operation mode setting"
        },
        "writable": true,
        "observable": false,
```


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```
        "schema": {
          "type": "string",
          "enum": [
            "heating",
            "cooling"
          ],
          "values": [
            {
              "value": "heating",
              "descriptions": {
                "ja": "暖房",
                "en": "Heating"
              },
              "edt": "0x41"
            },
            {
              "value": "cooling",
              "descriptions": {
                "ja": "冷房",
                "en": "Cooling"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "waterTemperature1": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "水温設定1",
          "en": "Water temperature setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": 0,
              "maximum": 100
            },
            {
              "type": "string",
              "enum": [
                "auto"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "AUTO",
                    "en": "AUTO"
                  },
                  "edt": "0x71"
                }
              ]
            }
          ]
        }
      },
      "waterTemperature2": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "水温設定2",
```


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```
          "en": "Water temperature setting 2"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 31,
              "multipleOf": 1
            },
            {
              "type": "string",
              "enum": [
                "auto"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "自動",
                    "en": "Auto"
                  },
                  "edt": "0x41"
                }
              ]
            }
          ]
        },
        "note": {
          "ja": "冷房(冷水):1~15、暖房(温水):17~31",
          "en": "Cooling (cold water) : 1 - 15, Heating (hot water) : 17 - 31"
        }
      },
      "outwardWaterTemperatureExit": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "往き水温計測値(出口水温)",
          "en": "Measured temperature of outward water (Exit water Temperature)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": 0,
              "maximum": 100
            },
            {
              "type": "string",
              "enum": [
                "undefined"
              ],
              "values": [
                {
                  "value": "undefined",
                  "descriptions": {
                    "ja": "不明",
                    "en": "Undefined"
                  },
                  "edt": "0x7E"
                }
```


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```
            ]
          }
        ]
      }
    },
    "inwardWaterTemperatureEntrance": {
      "epc": "0xE4",
      "descriptions": {
        "ja": "戻り水温計測値(入口水温)",
        "en": "Measured temperature of inward water (Entrance water Temperature)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "Celsius",
            "minimum": 0,
            "maximum": 100
          },
          {
            "type": "string",
            "enum": [
              "undefined"
            ],
            "values": [
              {
                "value": "undefined",
                "descriptions": {
                  "ja": "不明",
                  "en": "Undefined"
                },
                "edt": "0x7E"
              }
            ]
          }
        ]
      }
    },
    "specialOperation": {
      "epc": "0xE5",
      "descriptions": {
        "ja": "特殊運転設定",
        "en": "Special operation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "normal",
          "modest",
          "highPower"
        ],
        "values": [
          {
            "value": "normal",
            "descriptions": {
              "ja": "通常運転",
              "en": "Normal operation"
            },
            "edt": "0x41"
          },
          {
```


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```
            "value": "modest",
            "descriptions": {
              "ja": "ひかえめ運転",
              "en": "Modest operation"
            },
            "edt": "0x42"
          },
          {
            "value": "highPower",
            "descriptions": {
              "ja": "ハイパワー運転",
              "en": "High power operation"
            },
            "edt": "0x43"
          }
        ]
      }
    },
    "dailyTimer": {
      "epc": "0xE6",
      "descriptions": {
        "ja": "デイリータイマー設定",
        "en": "Daily timer setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "timerOff",
          "timer1",
          "timer2"
        ],
        "values": [
          {
            "value": "timerOff",
            "descriptions": {
              "ja": "タイマー切",
              "en": "Timer OFF"
            },
            "edt": "0x40"
          },
          {
            "value": "timer1",
            "descriptions": {
              "ja": "タイマー1",
              "en": "Timer 1"
            },
            "edt": "0x41"
          },
          {
            "value": "timer2",
            "descriptions": {
              "ja": "タイマー2",
              "en": "Timer 2"
            },
            "edt": "0x42"
          }
        ]
      },
      "note": {
        "ja": "最大2種のタイマー使用可能",
        "en": "Up to 2 kinds of timer can be used"
      }
    },
```


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```
      "dailyTimer1": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "デイリータイマー1設定",
          "en": "Daily timer setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 0,
          "maxItems": 24,
          "items": {
            "type": "object",
            "properties": {
              "startTime": {
                "descriptions": {
                  "ja": "運転開始時間",
                  "en": "Start time"
                },
                "type": "string",
                "format": "time"
              },
              "endTime": {
                "descriptions": {
                  "ja": "運転停止時間",
                  "en": "End time"
                },
                "type": "string",
                "format": "time"
              }
            }
          }
        },
        "note": {
          "ja": "開始分は0分もしくは30分",
          "en": "Time is fixed at 0 or 30 min."
        }
      },
      "dailyTimer2": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "デイリータイマー2設定",
          "en": "Daily timer setting 2"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 0,
          "maxItems": 24,
          "items": {
            "type": "object",
            "properties": {
              "startTime": {
                "descriptions": {
                  "ja": "運転開始時間",
                  "en": "Start time"
                },
                "type": "string",
                "format": "time"
              },
              "endTime": {
                "descriptions": {
                  "ja": "運転停止時間",
```


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```
                "en": "End time"
              },
              "type": "string",
              "format": "time"
            }
          }
        }
      },
      "note": {
        "ja": "開始分は0分もしくは30分",
        "en": "Time is fixed at 0 or 30 min."
      }
    },
    "ratedPowerconsumption": {
      "epc": "0xE9",
      "descriptions": {
        "ja": "定格消費電力値",
        "en": "Rated power consumption"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "heating": {
            "descriptions": {
              "ja": "暖房(温水)運転モード時の定格消費電力",
              "en": "Rated power consumption of heater (hot water) mode in watts"
            },
            "type": "number",
            "unit": "W",
            "minimum": 0,
            "maximum": 65533
          },
          "cooling": {
            "descriptions": {
              "ja": "冷房(冷水)運転モード時の定格消費電力",
              "en": "Rated power consumption of cooler (cold water) mode in watts"
            },
            "type": "number",
            "unit": "W",
            "minimum": 0,
            "maximum": 65533
          }
        }
      },
      "note": {
        "ja": "暖房(温水) : 冷房(冷水)",
        "en": "Heater (hot water) : cooler (cold water)"
      }
    },
    "powerConsumptionMeasurementMethod": {
      "epc": "0xEA",
      "descriptions": {
        "ja": "消費電力計測方法",
        "en": "Power consumption measurement method"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "nodeUnit",
          "classUnit",
          "instanceUnit"
```


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```
          ],
          "values": [
            {
              "value": "nodeUnit",
              "descriptions": {
                "ja": "ノード単位",
                "en": "Node unit"
              },
              "edt": "0x41"
            },
            {
              "value": "classUnit",
              "descriptions": {
                "ja": "クラス単位",
                "en": "Class unit"
              },
              "edt": "0x42"
            },
            {
              "value": "instanceUnit",
              "descriptions": {
                "ja": "インスタンス単位",
                "en": "Instance unit"
              },
              "edt": "0x43"
            }
          ]
        }
      }
    }
  }
```


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床暖房:floorHeater:0x027B

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
onTimerReservation	GET, PUT	string	0x90	ON タイマ予約設定 ON timer reservation setting	
timeOfOnTimer	GET, PUT	string	0x91	ON タイマ時刻設定値 Time set by ON timer	
relativeTimeOfOnTimer	GET, PUT	string	0x92	ON タイマ相対時間設定値 Relative ON timer setting	
offTimerReservation	GET, PUT	string	0x94	OFF タイマ予約設定 OFF timer reservation setting	
timeOfOffTimer	GET, PUT	string	0x95	OFF タイマ時刻設定値 Time set by OFF timer	
relativeTimeOfOffTimer	GET, PUT	string	0x96	OFF タイマ相対時間設定値 Relative OFF timer setting	
maximumTargetTemperature2	GET	number	0xD1	温度設定2設定可能最大レベル Maximum temperature level	
targetTemperature1	GET, PUT	number, string	0xE0	温度設定1 Set temperature value	
targetTemperature2	GET, PUT	number, string	0xE1	温度設定2 Set temperature level by 15 steps	
measuredRoomTemperature	GET	number, string	0xE2	室内温度計測値 Measured room temperature	
measuredFloorTemperature	GET	number, string	0xE3	床温度計測値 Measured floor temperature	
controllableZone	GET, PUT	array	0xE4	ゾーン切替え設定 Zone change setting	
specialOperationMode	GET, PUT	string	0xE5	特殊運転設定 Special operation setting	
dailyTimer	GET, PUT	string	0xE6	デイリータイマー設定 Daily timer setting	
workedDailyTimer1	GET, PUT	array	0xE7	デイリータイマー1設定 Daily timer setting 1	*1

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
workedDailyTimer2	GET, PUT	array	0xE8	デイリータイマー2設定 Daily timer setting 2	*1
ratedPowerConsumption	GET	number	0xE9	定格消費電力値 Rated power consumption	
powerMeasurementMethod	GET	string	0xEA	消費電力計測方法 Power consumption measurement method	

*1 デイリータイマー１設定、デイリータイマー2設定に関して、以下のような日またぎ指定を可能とするかどうかは実装依存とする。

```
{
    "workedDailyTimer1":[
        {
            "startTime":"21:30",
            "endTime":"7:30"
        }
    ]
}
```

Device Description

```
{
  "deviceType": "floorHeater",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x027B",
  "descriptions": {
    "ja": "床暖房",
    "en": "Floor heater"
  },
  "properties": {
    "onTimerReservation": {
      "epc": "0x90",
      "descriptions": {
        "ja": "ON タイマ予約設定",
        "en": "ON timer reservation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "on",
          "off"
        ],
        "values": [
          {
            "value": "on",
            "descriptions": {
              "ja": "予約入",
```


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```
                "en": "ON"
              },
              "edt": "0x41"
            },
            {
              "value": "off",
              "descriptions": {
                "ja": "予約切",
                "en": "OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "timeOfOnTimer": {
        "epc": "0x91",
        "descriptions": {
          "ja": "ON タイマ時刻設定値",
          "en": "Time set by ON timer"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "秒の指定は無視される",
          "en": "Number of seconds is ignored."
        }
      },
      "relativeTimeOfOnTimer": {
        "epc": "0x92",
        "descriptions": {
          "ja": "ON タイマ相対時間設定値",
          "en": "Relative ON timer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "秒の指定は無視される",
          "en": "Number of seconds is ignored."
        }
      },
      "offTimerReservation": {
        "epc": "0x94",
        "descriptions": {
          "ja": "OFF タイマ予約設定",
          "en": "OFF timer reservation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "on",
            "off"
          ],
          "values": [
            {
```


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```
            "value": "on",
            "descriptions": {
              "ja": "予約入",
              "en": "ON"
            },
            "edt": "0x41"
          },
          {
            "value": "off",
            "descriptions": {
              "ja": "予約切",
              "en": "OFF"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "timeOfOffTimer": {
      "epc": "0x95",
      "descriptions": {
        "ja": "OFF タイマ時刻設定値",
        "en": "Time set by OFF timer"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "format": "time"
      },
      "note": {
        "ja": "秒の指定は無視される",
        "en": "Number of seconds is ignored."
      }
    },
    "relativeTimeOfOffTimer": {
      "epc": "0x96",
      "descriptions": {
        "ja": "OFF タイマ相対時間設定値",
        "en": "Relative OFF timer setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "format": "time"
      },
      "note": {
        "ja": "秒の指定は無視される",
        "en": "Number of seconds is ignored."
      }
    },
    "maximumTargetTemperature2": {
      "epc": "0xD1",
      "descriptions": {
        "ja": "温度設定2設定可能最大レベル",
        "en": "Maximum temperature level"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "number",
        "minimum": 1,
        "maximum": 15,
        "multipleOf": 1
```


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```
        }
      },
      "targetTemperature1": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "温度設定1",
          "en": "Set temperature value"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": 0,
              "maximum": 50
            },
            {
              "type": "string",
              "enum": [
                "auto"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "自動",
                    "en": "Auto"
                  },
                  "edt": "0x41"
                }
              ]
            }
          ]
        }
      },
      "targetTemperature2": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "温度設定2",
          "en": "Set temperature level by 15 steps"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 15,
              "multipleOf": 1
            },
            {
              "type": "string",
              "enum": [
                "auto"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "自動",
                    "en": "Auto"
                  },
```


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```
                "edt": "0x41"
              }
            ]
          }
        ]
      }
    },
    "measuredRoomTemperature": {
      "epc": "0xE2",
      "descriptions": {
        "ja": "室内温度計測値",
        "en": "Measured room temperature"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "Celsius",
            "minimum": -127,
            "maximum": 125
          },
          {
            "type": "string",
            "enum": [
              "undefined"
            ],
            "values": [
              {
                "value": "undefined",
                "descriptions": {
                  "ja": "不明",
                  "en": "Undefined"
                },
                "edt": "0x7E"
              }
            ]
          }
        ]
      }
    },
    "measuredFloorTemperature": {
      "epc": "0xE3",
      "descriptions": {
        "ja": "床温度計測値",
        "en": "Measured floor temperature"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "Celsius",
            "minimum": -127,
            "maximum": 125
          },
          {
            "type": "string",
            "enum": [
              "undefined"
            ],
            "values": [
              {
```


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```
                "value": "undefined",
                "descriptions": {
                  "ja": "不明",
                  "en": "Undefined"
                },
                "edt": "0x7E"
              }
            ]
          }
        ]
      }
    },
    "controllableZone": {
      "epc": "0xE4",
      "descriptions": {
        "ja": "ゾーン切替え設定",
        "en": "Zone change setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 8,
        "maxItems": 8,
        "items": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "制御有り",
                "en": "With control"
              },
              "edt": "0x01"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "制御無し",
                "en": "Without control"
              },
              "edt": "0x00"
            }
          ]
        }
      },
      "note": {
        "ja": "対象となるフロアを最大8ゾーンに分割し制御する場合に、制御するゾーンを設定し、設定可能なゾーンを取得する",
        "en": "Sets the target zone for control and gets the number of controllable zones. The maximum number of zones for the floor is 8."
      }
    },
    "specialOperationMode": {
      "epc": "0xE5",
      "descriptions": {
        "ja": "特殊運転設定",
        "en": "Special operation setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "normal",
```


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```
            "modest",
            "highPower"
          ],
          "values": [
            {
              "value": "normal",
              "descriptions": {
                "ja": "通常運転",
                "en": "Normal"
              },
              "edt": "0x41"
            },
            {
              "value": "modest",
              "descriptions": {
                "ja": "ひかえめ運転",
                "en": "Modest"
              },
              "edt": "0x42"
            },
            {
              "value": "highPower",
              "descriptions": {
                "ja": "ハイパワー運転",
                "en": "High power"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "dailyTimer": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "デイリータイマー設定",
          "en": "Daily timer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "off",
            "timer1",
            "timer2"
          ],
          "values": [
            {
              "value": "off",
              "descriptions": {
                "ja": "タイマー切",
                "en": "OFF"
              },
              "edt": "0x40"
            },
            {
              "value": "timer1",
              "descriptions": {
                "ja": "タイマー1",
                "en": "Timer1"
              },
              "edt": "0x41"
            },
            {
              "value": "timer2",
```


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```
            "descriptions": {
              "ja": "タイマー2",
              "en": "Timer2"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "workedDailyTimer1": {
      "epc": "0xE7",
      "descriptions": {
        "ja": "デイリータイマー1設定",
        "en": "Daily timer setting 1"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 0,
        "maxItems": 24,
        "items": {
          "type": "object",
          "properties": {
            "startTime": {
              "descriptions": {
                "ja": "運転開始時間",
                "en": "Start time"
              },
              "type": "string",
              "format": "time"
            },
            "endTime": {
              "descriptions": {
                "ja": "運転停止時間",
                "en": "End time"
              },
              "type": "string",
              "format": "time"
            }
          }
        }
      },
      "note": {
        "ja": "開始分は0分もしくは30分",
        "en": "Time is fixed at 0 or 30 min."
      }
    },
    "workedDailyTimer2": {
      "epc": "0xE8",
      "descriptions": {
        "ja": "デイリータイマー2設定",
        "en": "Daily timer setting 2"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 0,
        "maxItems": 24,
        "items": {
          "type": "object",
          "properties": {
            "startTime": {
              "descriptions": {
```


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```
                "ja": "運転開始時間",
                "en": "Start time"
              },
              "type": "string",
              "format": "time"
            },
            "endTime": {
              "descriptions": {
                "ja": "運転停止時間",
                "en": "End time"
              },
              "type": "string",
              "format": "time"
            }
          }
        }
      },
      "note": {
        "ja": "開始分は0分もしくは30分",
        "en": "Time is fixed at 0 or 30 min."
      }
    },
    "ratedPowerConsumption": {
      "epc": "0xE9",
      "descriptions": {
        "ja": "定格消費電力値",
        "en": "Rated power consumption"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "W",
        "minimum": 0,
        "maximum": 65533
      }
    },
    "powerMeasurementMethod": {
      "epc": "0xEA",
      "descriptions": {
        "ja": "消費電力計測方法",
        "en": "Power consumption measurement method"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "node",
          "class",
          "instance"
        ],
        "values": [
          {
            "value": "node",
            "descriptions": {
              "ja": "ノード単位",
              "en": "Node unit"
            },
            "edt": "0x41"
          },
          {
            "value": "class",
            "descriptions": {
              "ja": "クラス単位",
```


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```
                "en": "Class unit"
              },
              "edt": "0x42"
            },
            {
              "value": "instance",
              "descriptions": {
                "ja": "インスタンス単位",
                "en": "Instance unit"
              },
              "edt": "0x43"
            }
          ]
        }
      }
    }
  }
```


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燃料電池:fuelCell:0x027C

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
waterTemperatureInWaterHeater	GET	number	0xC1	温水器湯温計測値 Measured temperature of water in water heater	
ratedElectricPowerOfGeneration	GET	number	0xC2	定格発電出力 Rated power generation output	
heatCapacityOfStorageTank	GET	number	0xC3	貯湯槽熱量 Heating value of hot water storage tank	
instantaneousElectricPowerOfGeneration	GET	number	0xC4	瞬時発電電力計測値 Measured instantaneous power generation output	
cumulativeElectricEnergyOfGeneration	GET	number	0xC5	積算発電電力量計測値 Measured cumulative power generation output	
instantaneousGasConsumption	GET	number	0xC7	瞬時ガス消費量計測値 Measured instantaneous gas consumption	
cumulativeGasConsumption	GET	number	0xC8	積算ガス消費量計測値 Measured cumulative gas consumption	
powerGenerationSetting	GET, PUT	string	0xCA	発電動作設定 Power generation setting	
powerGenerationStatus	GET	string	0xCB	発電動作状態 Power generation status	
inHouseInstantaneousPowerConsumption	GET	number	0xCC	宅内瞬時消費電力計測値 Measured in-house instantaneous power consumption	
inHouseCumulativeEnergyConsumption	GET	number	0xCD	宅内積算消費電力量計測値 Measured in-house cumulative energy consumption	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
powerSystemInterconnectionStatus	GET	string	0xD0	系統連系状態 System interconnected type	
requestedTimeOfGeneration	GET, PUT	object, string	0xD1	発電要請時刻設定 Power generation request time setting	
powerGenerationMode	GET, PUT	string	0xD2	指定発電状態 Designated power generation status	
remainingHotWaterAmount	GET	number	0xE1	残湯量計測値 Measured remaining hot water amount	
tankCapacity	GET	number	0xE2	タンク容量値 Tank capacity	

Actions

Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
cumulativeEnergyGenerationOutputReset	POST	0xC6	積算発電電力量リセット設定 Cumulative energy generation output reset setting	
cumulativeGasConsumptionReset	POST	0xC9	積算ガス消費量リセット設定 Cumulative gas consumption reset setting	
inHouseCumulativeEnergyConsumptionReset	POST	0xCE	宅内積算消費電力量リセット設定 In-house cumulative energy consumption reset	

Device Description

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{
  "deviceType": "fuelCell",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x027C",
  "descriptions": {
    "ja": "燃料電池",
    "en": "Fuel cell"
  },
  "properties": {
    "waterTemperatureInWaterHeater": {
      "epc": "0xC1",
      "descriptions": {
        "ja": "温水器湯温計測値",
```


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```
          "en": "Measured temperature of water in water heater"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": 0,
          "maximum": 100
        }
      },
      "ratedElectricPowerOfGeneration": {
        "epc": "0xC2",
        "descriptions": {
          "ja": "定格発電出力",
          "en": "Rated power generation output"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "heatCapacityOfStorageTank": {
        "epc": "0xC3",
        "descriptions": {
          "ja": "貯湯槽熱量",
          "en": "Heating value of hot water storage tank"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "MJ",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "instantaneousElectricPowerOfGeneration": {
        "epc": "0xC4",
        "descriptions": {
          "ja": "瞬時発電電力計測値",
          "en": "Measured instantaneous power generation output"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "cumulativeElectricEnergyOfGeneration": {
        "epc": "0xC5",
        "descriptions": {
          "ja": "積算発電電力量計測値",
          "en": "Measured cumulative power generation output"
        },
        "writable": false,
        "observable": false,
        "schema": {
```


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```
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
      "instantaneousGasConsumption": {
        "epc": "0xC7",
        "descriptions": {
          "ja": "瞬時ガス消費量計測値",
          "en": "Measured instantaneous gas consumption"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "m3/h",
          "minimum": 0,
          "maximum": 65.533,
          "multipleOf": 0.001
        }
      },
      "cumulativeGasConsumption": {
        "epc": "0xC8",
        "descriptions": {
          "ja": "積算ガス消費量計測値",
          "en": "Measured cumulative gas consumption"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "m3",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
      "powerGenerationSetting": {
        "epc": "0xCA",
        "descriptions": {
          "ja": "発電動作設定",
          "en": "Power generation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "generationOn",
            "generationOff"
          ],
          "values": [
            {
              "value": "generationOn",
              "descriptions": {
                "ja": "発電動作",
                "en": "Power generation ON"
              },
              "edt": "0x41"
            },
            {
              "value": "generationOff",
              "descriptions": {
```


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```
                "ja": "発電停止",
                "en": "Power generation OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "powerGenerationStatus": {
        "epc": "0xCB",
        "descriptions": {
          "ja": "発電動作状態",
          "en": "Power generation status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "generating",
            "stopped",
            "starting",
            "stopping",
            "idling"
          ],
          "values": [
            {
              "value": "generating",
              "descriptions": {
                "ja": "発電中",
                "en": "Generating"
              },
              "edt": "0x41"
            },
            {
              "value": "stopped",
              "descriptions": {
                "ja": "停止中",
                "en": "Stopped"
              },
              "edt": "0x42"
            },
            {
              "value": "starting",
              "descriptions": {
                "ja": "起動中",
                "en": "Starting"
              },
              "edt": "0x43"
            },
            {
              "value": "stopping",
              "descriptions": {
                "ja": "停止動作中",
                "en": "Stopping"
              },
              "edt": "0x44"
            },
            {
              "value": "idling",
              "descriptions": {
                "ja": "アイドル中",
                "en": "Idling"
              },
              "edt": "0x45"
```


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```
            }
          ]
        }
      },
      "inHouseInstantaneousPowerConsumption": {
        "epc": "0xCC",
        "descriptions": {
          "ja": "宅内瞬時消費電力計測値",
          "en": "Measured in-house instantaneous power consumption"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "inHouseCumulativeEnergyConsumption": {
        "epc": "0xCD",
        "descriptions": {
          "ja": "宅内積算消費電力量計測値",
          "en": "Measured in-house cumulative energy consumption"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
      "powerSystemInterconnectionStatus": {
        "epc": "0xD0",
        "descriptions": {
          "ja": "系統連系状態",
          "en": "System interconnected type"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "reversePowerFlowAcceptable",
            "independent",
            "reversePowerFlowNotAcceptable"
          ],
          "values": [
            {
              "value": "reversePowerFlowAcceptable",
              "descriptions": {
                "ja": "系統連系 (逆潮流可)",
                "en": "System interconnected type (reverse power flow acceptable)"
              },
              "edt": "0x00"
            },
            {
              "value": "independent",
              "descriptions": {
                "ja": "独立",
                "en": "Independent type"
              },
```


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```
            "edt": "0x01"
          },
          {
            "value": "reversePowerFlowNotAcceptable",
            "descriptions": {
              "ja": "系統連系 (逆潮流不可)",
              "en": "System interconnected type (reverse power flow not acceptable)"
            },
            "edt": "0x02"
          }
        ]
      }
    },
    "requestedTimeOfGeneration": {
      "epc": "0xD1",
      "descriptions": {
        "ja": "発電要請時刻設定",
        "en": "Power generation request time setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "object",
            "properties": {
              "startTime": {
                "descriptions": {
                  "ja": "開始時刻",
                  "en": "Start time"
                },
                "type": "string",
                "format": "time"
              },
              "endTime": {
                "descriptions": {
                  "ja": "終了時刻",
                  "en": "End time"
                },
                "type": "string",
                "format": "time"
              }
            }
          },
          {
            "type": "string",
            "enum": [
              "undefined"
            ],
            "values": [
              {
                "value": "undefined",
                "descriptions": {
                  "ja": "未設定",
                  "en": "Undefined"
                },
                "edt": "0xFFFFFFFF"
              }
            ]
          }
        ]
      },
      "note": {
        "ja": "秒の指定は無視される",
        "en": "Number of seconds is ignored."
```


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```
        }
      },
      "powerGenerationMode": {
        "epc": "0xD2",
        "descriptions": {
          "ja": "指定発電状態",
          "en": "Designated power generation status"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "maximumRating",
            "loadFollowing"
          ],
          "values": [
            {
              "value": "maximumRating",
              "descriptions": {
                "ja": "定格最大での発電",
                "en": "Power generation at the maximum rating"
              },
              "edt": "0x41"
            },
            {
              "value": "loadFollowing",
              "descriptions": {
                "ja": "負荷追従での発電",
                "en": "Load following power generation"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "remainingHotWaterAmount": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "残湯量計測値",
          "en": "Measured remaining hot water amount"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "L",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "tankCapacity": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "タンク容量値",
          "en": "Tank capacity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "L",
          "minimum": 0,
          "maximum": 65533
        }
```


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```
      }
    },
    "actions": {
      "cumulativeEnergyGenerationOutputReset": {
        "epc": "0xC6",
        "descriptions": {
          "ja": "積算発電電力量リセット設定",
          "en": "Cumulative energy generation output reset setting"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      },
      "cumulativeGasConsumptionReset": {
        "epc": "0xC9",
        "descriptions": {
          "ja": "積算ガス消費量リセット設定",
          "en": "Cumulative gas consumption reset setting"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      },
      "inHouseCumulativeEnergyConsumptionReset": {
        "epc": "0xCE",
        "descriptions": {
          "ja": "宅内積算消費電力量リセット設定",
          "en": "In-house cumulative energy consumption reset"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      }
    }
  }
```


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蓄電池:storageBattery:0x027D

List of Devicesに戻る

Note to Client:
chargingMethodプロパティは、operationModeプロパティに"charging"を設定した時の充電方式を示す。 chargingMethodプロパティの値が、"designatedPower"の場合はchargingPowerプロパティ、"designatedCurrent"の場合はchargingCurrentプロパティの値が指定充電量を示す。 また、chargingPowerプロパティを設定することでchargingMethodプロパティ値が"designatedPower"に、又はchargingCurrentプロパティを設定することで chargingMethodプロパティ値が"designatedCurrent"に変化する蓄電池があることに留意を要する。

dischargingMethodプロパティは、operationModeプロパティに"discharging"を設定した時の放電方式を示す。 dischargingMethodプロパティの値が、"designatedPower"の場合はdischargingPowerプロパティ、"designatedCurrent"の場合はdischargingCurrentプロパティの値が指定放電量を示す。 また、dischargingPowerプロパティを設定することでdischargingMethodプロパティ値が"designatedPower"に、又はdischargingCurrentプロパティを設定することでdischargingMethodプロパティ値が"designatedCurrent"に変化する蓄電池があることに留意を要する。

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
acEffectiveChargingCapacity	GET	number	0xA0	AC実効容量（充電） AC effective capacity (charging)	
acEffectiveDischargingCapacity	GET	number	0xA1	AC実効容量（放電） AC effective capacity (discharging)	
acChargeableCapacity	GET	number	0xA2	AC充電可能容量 AC chargeable capacity	
acDischargeableCapacity	GET	number	0xA3	AC放電可能容量 AC dischargeable capacity	
acChargeableElectricEnergy	GET	number	0xA4	AC充電可能量 AC chargeable electric energy	
acDischargeableElectricEnergy	GET	number	0xA5	AC放電可能量 AC dischargeable electric energy	
acChargeUpperLimit	GET, PUT	number	0xA6	AC充電上限設定 AC charge upper limit setting	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
acDischargeLowerLimit	GET, PUT	number	0xA7	AC放電下限設定 AC discharge lower limit setting	
acCumulativeChargingElectricEnergy	GET	number	0xA8	AC積算充電電力量計測値 AC measured cumulative charging electric energy	
acCumulativeDischargingElectricEnergy	GET	number	0xA9	AC積算放電電力量計測値 AC measured cumulative discharging electric energy	
acTargetChargingElectricEnergy	GET, PUT	number, string	0xAA	AC充電量設定値 AC charge amount setting value	
acTargetDischargingElectricEnergy	GET, PUT	number, string	0xAB	AC放電量設定値 AC discharge amount setting value	
chargingMethod	GET, PUT	string	0xC1	充電方式 Charging method	
dischargingMethod	GET, PUT	string	0xC2	放電方式 Discharging method	
acRatedElectricEnergy	GET	number	0xC7	AC定格電力量 AC rated electric energy	
minimumAndMaximumChargingElectricPower	GET	object	0xC8	最小最大充電電力値 Minimum/maximum charging electric power	
minimumAndMaximumDischargingElectricPower	GET	object	0xC9	最小最大放電電力値 Minimum/maximum discharging electric power	
minimumAndMaximumChargingCurrent	GET	object	0xCA	最小最大充電電流値 Minimum/maximum charging current	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
minimumAndMaximumDischargingCurrent	GET	object	0xCB	最小最大放電電流値 Minimum/maximum discharging current	
reInterconnectionPermission	GET, PUT	string	0xCC	再連系許可設定 Re-interconnection permission setting	
operationPermission	GET, PUT	string	0xCD	運転許可設定 Operation permission setting	
independentOperationPermission	GET, PUT	string	0xCE	自立運転許可設定 Independent operation permission setting	
actualOperationMode	GET	string	0xCF	運転動作状態 Working operation status	
ratedElectricEnergy	GET	number	0xD0	定格電力量 Rated electric energy	
ratedCapacity	GET	number	0xD1	定格容量 Rated capacity	
ratedVoltage	GET	number	0xD2	定格電圧 Rated voltage	
instantaneousChargingAndDischargingElectricPower	GET	number	0xD3	瞬時充放電電力計測値 Measured instantaneous charging/discharging electric energy	
instantaneousChargingAndDischargingCurrent	GET	number	0xD4	瞬時充放電電流計測値 Measured instantaneous charging/discharging current	
instantaneousChargingAndDischargingVoltage	GET	number	0xD5	瞬時充放電電圧計測値 Measured instantaneous charging/discharging voltage	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeDischargingElectricEnergy	GET	number	0xD6	積算放電電力量計測値 Measured cumulative discharging electric energy	
cumulativeChargingElectricEnergy	GET	number	0xD8	積算充電電力量計測値 Measured cumulative charging electric energy	
operationMode	GET, PUT	string	0xDA	運転モード設定 Operation mode setting	
powerSystemInterconnectionStatus	GET	string	0xDB	系統連系状態 System-interconnected type	
minimumAndMaximumChargingPowerAtIndependent	GET	object	0xDC	最小最大充電電力値(独立時) Minimum/maximum charging power (Independent)	
minimumAndMaximumDischargingPowerAtIndependent	GET	object	0xDD	最小最大放電電力値(独立時) Minimum/maximum discharging power (Independent)	
minimumAndMaximumChargingCurrentAtIndependent	GET	object	0xDE	最小最大充電電流値(独立時) Minimum/maximum charging current (Independent)	
minimumAndMaximumDischargingCurrentAtIndependent	GET	object	0xDF	最小最大放電電流値(独立時) Minimum/maximum discharging current (Independent)	
chargingAndDischargingAmount1	GET, PUT	number, number	0xE0	充放電量設定値1 Charging/discharging amount setting 1	
chargingAndDischargingAmount2	GET, PUT	number, number	0xE1	充放電量設定値2 Charging/discharging amount setting 2	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
remainingCapacity1	GET	number	0xE2	蓄電残量1 Remaining stored electricity 1	
remainingCapacity2	GET	number	0xE3	蓄電残量2 Remaining stored electricity 2	
remainingCapacity3	GET	number	0xE4	蓄電残量3 Remaining stored electricity 3	
batteryHealthState	GET	number	0xE5	劣化状態 Battery state of health	
batteryType	GET	string	0xE6	蓄電池タイプ Battery type	
chargingAmount1	GET, PUT	number	0xE7	充電量設定値1 Charging amount setting 1	
dischargingAmount1	GET, PUT	number	0xE8	放電量設定値1 Discharging amount setting 1	
chargingAmount2	GET, PUT	number	0xE9	充電量設定値2 Charging amount setting 2	
dischargingAmount2	GET, PUT	number	0xEA	放電量設定値2 Discharging amount setting 2	
chargingPower	GET, PUT	number	0xEB	充電電力設定値 Charging electric energy setting	
dischargingPower	GET, PUT	number	0xEC	放電電力設定値 Discharging electric energy setting	
chargingCurrent	GET, PUT	number	0xED	充電電流設定値 Charging current setting	
dischargingCurrent	GET, PUT	number	0xEE	放電電流設定値 Discharging current setting	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
ratedVoltageAtIndependent	GET	number	0xEF	定格電圧（独立時） Rated voltage (Independent)	

Actions

Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
resetCumulativeDischargingElectricEnergy	POST	0xD7	積算放電電力量リセット設定 Measured cumulative discharging electric energy reset setting	
resetCumulativeChargingElectricEnergy	POST	0xD9	積算充電電力量リセット設定 Measured cumulative charging electric energy reset setting	

Device Description

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  "deviceType": "storageBattery",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x027D",
  "descriptions": {
    "ja": "蓄電池",
    "en": "Storage battery"
  },
  "properties": {
    "acEffectiveChargingCapacity": {
      "epc": "0xA0",
      "descriptions": {
        "ja": "AC実効容量（充電)",
        "en": "AC effective capacity (charging)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      }
    },
    "acEffectiveDischargingCapacity": {
      "epc": "0xA1",
      "descriptions": {
        "ja": "AC実効容量（放電)",
        "en": "AC effective capacity (discharging)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
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          "minimum": 0,
          "maximum": 999999999
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      },
      "acChargeableCapacity": {
        "epc": "0xA2",
        "descriptions": {
          "ja": "AC充電可能容量",
          "en": "AC chargeable capacity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
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      "acDischargeableCapacity": {
        "epc": "0xA3",
        "descriptions": {
          "ja": "AC放電可能容量",
          "en": "AC dischargeable capacity"
        },
        "writable": false,
        "observable": false,
        "schema": {
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          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
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      "acChargeableElectricEnergy": {
        "epc": "0xA4",
        "descriptions": {
          "ja": "AC充電可能量",
          "en": "AC chargeable electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "acDischargeableElectricEnergy": {
        "epc": "0xA5",
        "descriptions": {
          "ja": "AC放電可能量",
          "en": "AC dischargeable electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        }
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      "acChargeUpperLimit": {
```


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        "epc": "0xA6",
        "descriptions": {
          "ja": "AC充電上限設定",
          "en": "AC charge upper limit setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "acDischargeLowerLimit": {
        "epc": "0xA7",
        "descriptions": {
          "ja": "AC放電下限設定",
          "en": "AC discharge lower limit setting"
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        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "acCumulativeChargingElectricEnergy": {
        "epc": "0xA8",
        "descriptions": {
          "ja": "AC積算充電電力量計測値",
          "en": "AC measured cumulative charging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
      "acCumulativeDischargingElectricEnergy": {
        "epc": "0xA9",
        "descriptions": {
          "ja": "AC積算放電電力量計測値",
          "en": "AC measured cumulative discharging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
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      },
      "acTargetChargingElectricEnergy": {
        "epc": "0xAA",
        "descriptions": {
          "ja": "AC充電量設定値",
```


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```
          "en": "AC charge amount setting value"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Wh",
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              "maximum": 999999999
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              "type": "string",
              "enum": [
                "noSetting"
              ],
              "values": [
                {
                  "value": "noSetting",
                  "descriptions": {
                    "ja": "設定なし",
                    "en": "No setting"
                  },
                  "edt": "0x00000000"
                }
              ]
            }
          ]
        }
      },
      "acTargetDischargingElectricEnergy": {
        "epc": "0xAB",
        "descriptions": {
          "ja": "AC放電量設定値",
          "en": "AC discharge amount setting value"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "oneOf": [
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              "type": "number",
              "unit": "Wh",
              "minimum": 1,
              "maximum": 999999999
            },
            {
              "type": "string",
              "enum": [
                "noSetting"
              ],
              "values": [
                {
                  "value": "noSetting",
                  "descriptions": {
                    "ja": "設定なし",
                    "en": "No setting"
                  },
                  "edt": "0x00000000"
                }
              ]
            }
          ]
        }
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      },
      "chargingMethod": {
        "epc": "0xC1",
        "descriptions": {
          "ja": "充電方式",
          "en": "Charging method"
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        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "maximum",
            "surplus",
            "designatedPower",
            "designatedCurrent",
            "other"
          ],
          "values": [
            {
              "value": "maximum",
              "descriptions": {
                "ja": "最大充電電力充電",
                "en": "Maximum charging electric energy charting"
              },
              "edt": "0x01"
            },
            {
              "value": "surplus",
              "descriptions": {
                "ja": "余剰電力充電",
                "en": "Surplus electric energy charging"
              },
              "edt": "0x02"
            },
            {
              "value": "designatedPower",
              "descriptions": {
                "ja": "指定電力充電",
                "en": "Designated electric energy charging"
              },
              "edt": "0x03"
            },
            {
              "value": "designatedCurrent",
              "descriptions": {
                "ja": "指定電流充電",
                "en": "Designated current power charging"
              },
              "edt": "0x04"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Others"
              },
              "edt": "0x00"
            }
          ]
        }
      },
      "dischargingMethod": {
        "epc": "0xC2",
        "descriptions": {
```


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```
          "ja": "放電方式",
          "en": "Discharging method"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
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            "designatedPower",
            "designatedCurrent",
            "other"
          ],
          "values": [
            {
              "value": "maximum",
              "descriptions": {
                "ja": "最大放電電力放電",
                "en": "Maximum discharge electric energy discharging"
              },
              "edt": "0x01"
            },
            {
              "value": "loadFollowing",
              "descriptions": {
                "ja": "負荷追従放電",
                "en": "Load following discharge"
              },
              "edt": "0x02"
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            {
              "value": "designatedPower",
              "descriptions": {
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                "en": "Designated electric energy discharging"
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            {
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              "descriptions": {
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                "en": "Designated current power discharging"
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              "edt": "0x04"
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              "descriptions": {
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                "en": "Others"
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              "edt": "0x00"
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        }
      },
      "acRatedElectricEnergy": {
        "epc": "0xC7",
        "descriptions": {
          "ja": "AC定格電力量",
          "en": "AC rated electric energy"
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        "writable": false,
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        "observable": false,
        "schema": {
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          "unit": "Wh",
          "minimum": 0,
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        "epc": "0xC8",
        "descriptions": {
          "ja": "最小最大充電電力値",
          "en": "Minimum/maximum charging electric power"
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        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "minValue": {
              "descriptions": {
                "ja": "最小充電電力値",
                "en": "Minimum"
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              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
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            "maxValue": {
              "descriptions": {
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                "en": "Maximum"
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              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            }
          }
        }
      },
      "minimumAndMaximumDischargingElectricPower": {
        "epc": "0xC9",
        "descriptions": {
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          "en": "Minimum/maximum discharging electric power"
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        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
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              "descriptions": {
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                "en": "Minimum"
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              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            },
            "maxValue": {
              "descriptions": {
```


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                "ja": "最大放電電力値",
                "en": "Maximum"
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              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
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        }
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      "minimumAndMaximumChargingCurrent": {
        "epc": "0xCA",
        "descriptions": {
          "ja": "最小最大充電電流値",
          "en": "Minimum/maximum charging current"
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        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "minValue": {
              "descriptions": {
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                "en": "Minimum"
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              "unit": "A",
              "minimum": 0,
              "maximum": 3276.6,
              "multipleOf": 0.1
            },
            "maxValue": {
              "descriptions": {
                "ja": "最大充電電流値",
                "en": "Maximum"
              },
              "type": "number",
              "unit": "A",
              "minimum": 0,
              "maximum": 3276.6,
              "multipleOf": 0.1
            }
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        }
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      "minimumAndMaximumDischargingCurrent": {
        "epc": "0xCB",
        "descriptions": {
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          "en": "Minimum/maximum discharging current"
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        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
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              "descriptions": {
                "ja": "最小放電電流値",
                "en": "Minimum"
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              "type": "number",
              "unit": "A",
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            "maximum": 3276.6,
            "multipleOf": 0.1
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              "en": "Maximum"
            },
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            "unit": "A",
            "minimum": 0,
            "maximum": 3276.6,
            "multipleOf": 0.1
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        }
      }
    },
    "reInterconnectionPermission": {
      "epc": "0xCC",
      "descriptions": {
        "ja": "再連系許可設定",
        "en": "Re-interconnection permission setting"
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      "writable": true,
      "observable": false,
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        "type": "string",
        "enum": [
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          "prohibited"
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        "values": [
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            "descriptions": {
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              "en": "Permitted"
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            "edt": "0x41"
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            "descriptions": {
              "ja": "禁止",
              "en": "Prohibited"
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            "edt": "0x42"
          }
        ]
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    },
    "operationPermission": {
      "epc": "0xCD",
      "descriptions": {
        "ja": "運転許可設定",
        "en": "Operation permission setting"
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      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
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              "descriptions": {
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                "en": "Prohibited"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "independentOperationPermission": {
        "epc": "0xCE",
        "descriptions": {
          "ja": "自立運転許可設定",
          "en": "Independent operation permission setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
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            "prohibited"
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              "value": "permitted",
              "descriptions": {
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                "en": "Permitted"
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              "edt": "0x41"
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            {
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              "descriptions": {
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                "en": "Prohibited"
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              "edt": "0x42"
            }
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        }
      },
      "actualOperationMode": {
        "epc": "0xCF",
        "descriptions": {
          "ja": "運転動作状態",
          "en": "Working operation status"
        },
        "writable": false,
        "observable": true,
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          "type": "string",
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          "enum": [
            "rapidCharging",
            "charging",
            "discharging",
            "standby",
            "test",
            "auto",
            "restart",
            "capacityRecalculation",
            "other"
          ],
          "values": [
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              "value": "rapidCharging",
              "descriptions": {
                "ja": "急速充電",
                "en": "Rapid charging"
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              "edt": "0x41"
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            {
              "value": "charging",
              "descriptions": {
                "ja": "充電",
                "en": "Charging"
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              "edt": "0x42"
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            {
              "value": "discharging",
              "descriptions": {
                "ja": "放電",
                "en": "Discharging"
              },
              "edt": "0x43"
            },
            {
              "value": "standby",
              "descriptions": {
                "ja": "待機",
                "en": "Standby"
              },
              "edt": "0x44"
            },
            {
              "value": "test",
              "descriptions": {
                "ja": "テスト",
                "en": "Test"
              },
              "edt": "0x45"
            },
            {
              "value": "auto",
              "descriptions": {
                "ja": "自動",
                "en": "Automatic"
              },
              "edt": "0x46"
            },
            {
              "value": "restart",
              "descriptions": {
                "ja": "再起動",
                "en": "Restart"
```


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```
            },
            "edt": "0x48"
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          {
            "value": "capacityRecalculation",
            "descriptions": {
              "ja": "実効容量再計算処理",
              "en": "Effective capacity recalculation processing"
            },
            "edt": "0x49"
          },
          {
            "value": "other",
            "descriptions": {
              "ja": "その他",
              "en": "Other"
            },
            "edt": "0x40"
          }
        ]
      }
    },
    "ratedElectricEnergy": {
      "epc": "0xD0",
      "descriptions": {
        "ja": "定格電力量",
        "en": "Rated electric energy"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      }
    },
    "ratedCapacity": {
      "epc": "0xD1",
      "descriptions": {
        "ja": "定格容量",
        "en": "Rated capacity"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Ah",
        "minimum": 0,
        "maximum": 3276.6,
        "multipleOf": 0.1
      }
    },
    "ratedVoltage": {
      "epc": "0xD2",
      "descriptions": {
        "ja": "定格電圧",
        "en": "Rated voltage"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "V",
        "minimum": 0,
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          "maximum": 32766
        }
      },
      "instantaneousChargingAndDischargingElectricPower": {
        "epc": "0xD3",
        "descriptions": {
          "ja": "瞬時充放電電力計測値",
          "en": "Measured instantaneous charging/discharging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": -999999999,
          "maximum": 999999999
        }
      },
      "instantaneousChargingAndDischargingCurrent": {
        "epc": "0xD4",
        "descriptions": {
          "ja": "瞬時充放電電流計測値",
          "en": "Measured instantaneous charging/discharging current"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "A",
          "minimum": -3276.7,
          "maximum": 3276.6,
          "multipleOf": 0.1
        }
      },
      "instantaneousChargingAndDischargingVoltage": {
        "epc": "0xD5",
        "descriptions": {
          "ja": "瞬時充放電電圧計測値",
          "en": "Measured instantaneous charging/discharging voltage"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "V",
          "minimum": -32767,
          "maximum": 32766
        }
      },
      "cumulativeDischargingElectricEnergy": {
        "epc": "0xD6",
        "descriptions": {
          "ja": "積算放電電力量計測値",
          "en": "Measured cumulative discharging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
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      "cumulativeChargingElectricEnergy": {
        "epc": "0xD8",
        "descriptions": {
          "ja": "積算充電電力量計測値",
          "en": "Measured cumulative charging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
      "operationMode": {
        "epc": "0xDA",
        "descriptions": {
          "ja": "運転モード設定",
          "en": "Operation mode setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "rapidCharging",
            "charging",
            "discharging",
            "standby",
            "test",
            "auto",
            "restart",
            "capacityRecalculation",
            "other"
          ],
          "values": [
            {
              "value": "rapidCharging",
              "descriptions": {
                "ja": "急速充電",
                "en": "Rapid charging"
              },
              "edt": "0x41"
            },
            {
              "value": "charging",
              "descriptions": {
                "ja": "充電",
                "en": "Charging"
              },
              "edt": "0x42"
            },
            {
              "value": "discharging",
              "descriptions": {
                "ja": "放電",
                "en": "Discharging"
              },
              "edt": "0x43"
            },
            {
              "value": "standby",
              "descriptions": {
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                "ja": "待機",
                "en": "Standby"
              },
              "edt": "0x44"
            },
            {
              "value": "test",
              "descriptions": {
                "ja": "テスト",
                "en": "Test"
              },
              "edt": "0x45"
            },
            {
              "value": "auto",
              "descriptions": {
                "ja": "自動",
                "en": "Automatic"
              },
              "edt": "0x46"
            },
            {
              "value": "restart",
              "descriptions": {
                "ja": "再起動",
                "en": "Restart"
              },
              "edt": "0x48"
            },
            {
              "value": "capacityRecalculation",
              "descriptions": {
                "ja": "実効容量再計算処理",
                "en": "Effective capacity recalculation processing"
              },
              "edt": "0x49"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            }
          ]
        },
        "note": {
          "ja": "このプロパティをGetして取得できる値は設定値である。実際の運転状態はactualOperationModeをGET
すること",
          "en": "The value you get with this property is the value you set. Get actualOperationMode
for the current status."
        }
      },
      "powerSystemInterconnectionStatus": {
        "epc": "0xDB",
        "descriptions": {
          "ja": "系統連系状態",
          "en": "System-interconnected type"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
```


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            "reversePowerFlowAcceptable",
            "independent",
            "reversePowerFlowNotAcceptable"
          ],
          "values": [
            {
              "value": "reversePowerFlowAcceptable",
              "descriptions": {
                "ja": "系統連系 (逆潮流可)",
                "en": "System interconnection (reverse power flow acceptable)"
              },
              "edt": "0x00"
            },
            {
              "value": "independent",
              "descriptions": {
                "ja": "独立",
                "en": "Independent type"
              },
              "edt": "0x01"
            },
            {
              "value": "reversePowerFlowNotAcceptable",
              "descriptions": {
                "ja": "系統連系 (逆潮流不可)",
                "en": "System-interconnected type (reverse power flow not acceptable)"
              },
              "edt": "0x02"
            }
          ]
        }
      },
      "minimumAndMaximumChargingPowerAtIndependent": {
        "epc": "0xDC",
        "descriptions": {
          "ja": "最小最大充電電力値 (独立時)",
          "en": "Minimum/maximum charging power (Independent)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "minValue": {
              "descriptions": {
                "ja": "最小充電電力値",
                "en": "Minimum charging power"
              },
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            },
            "maxValue": {
              "descriptions": {
                "ja": "最大充電電力値",
                "en": "Maximum charging power"
              },
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            }
          }
        }
```


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```
      },
      "minimumAndMaximumDischargingPowerAtIndependent": {
        "epc": "0xDD",
        "descriptions": {
          "ja": "最小最大放電電力値 (独立時)",
          "en": "Minimum/maximum discharging power (Independent)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "minValue": {
              "descriptions": {
                "ja": "最小放電電力値",
                "en": "Minimum discharging power"
              },
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            },
            "maxValue": {
              "descriptions": {
                "ja": "最大放電電力値",
                "en": "Maximum discharging power"
              },
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            }
          }
        }
      },
      "minimumAndMaximumChargingCurrentAtIndependent": {
        "epc": "0xDE",
        "descriptions": {
          "ja": "最小最大充電電流値 (独立時)",
          "en": "Minimum/maximum charging current (Independent)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "minValue": {
              "descriptions": {
                "ja": "最小充電電流値",
                "en": "Minimum charging current"
              },
              "type": "number",
              "unit": "A",
              "minimum": 0,
              "maximum": 3276.6,
              "multipleOf": 0.1
            },
            "maxValue": {
              "descriptions": {
                "ja": "最大充電電流値",
                "en": "Maximum charging current"
              },
              "type": "number",
              "unit": "A",
              "minimum": 0,
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              "maximum": 3276.6,
              "multipleOf": 0.1
            }
          }
        }
      },
      "minimumAndMaximumDischargingCurrentAtIndependent": {
        "epc": "0xDF",
        "descriptions": {
          "ja": "最小最大放電電流値 (独立時)",
          "en": "Minimum/maximum discharging current (Independent)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "minValue": {
              "descriptions": {
                "ja": "最小放電電流値",
                "en": "Minimum discharging current"
              },
              "type": "number",
              "unit": "A",
              "minimum": 0,
              "maximum": 3276.6,
              "multipleOf": 0.1
            },
            "maxValue": {
              "descriptions": {
                "ja": "最大放電電流値",
                "en": "Maximum discharging current"
              },
              "type": "number",
              "unit": "A",
              "minimum": 0,
              "maximum": 3276.6,
              "multipleOf": 0.1
            }
          }
        }
      },
      "chargingAndDischargingAmount1": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "充放電量設定値1",
          "en": "Charging/discharging amount setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Wh",
              "minimum": 1,
              "maximum": 999999999
            },
            {
              "type": "number",
              "unit": "Wh",
              "minimum": -999999999,
              "maximum": -1
            }
          ]
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```
        },
        "note": {
          "ja": "充電時（プラス値）／放電時（マイナス値）",
          "en": "During charging (positive value) / During discharging (negative value)"
        }
      },
      "chargingAndDischargingAmount2": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "充放電量設定値2",
          "en": "Charging/discharging amount setting 2"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
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              "type": "number",
              "unit": "Ah",
              "minimum": 0.1,
              "maximum": 3276.6,
              "multipleOf": 0.1
            },
            {
              "type": "number",
              "unit": "Ah",
              "minimum": -3276.7,
              "maximum": -0.1,
              "multipleOf": 0.1
            }
          ]
        },
        "note": {
          "ja": "充電時（プラス値）／放電時（マイナス値）",
          "en": "During charging (positive value) / During discharging (negative value)"
        }
      },
      "remainingCapacity1": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "蓄電残量1",
          "en": "Remaining stored electricity 1"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "remainingCapacity2": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "蓄電残量2",
          "en": "Remaining stored electricity 2"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Ah",
          "minimum": 0,
          "maximum": 3276.6,
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          "multipleOf": 0.1
        }
      },
      "remainingCapacity3": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "蓄電残量3",
          "en": "Remaining stored electricity 3"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "batteryHealthState": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "劣化状態",
          "en": "Battery state of health"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "batteryType": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "蓄電池タイプ",
          "en": "Battery type"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "unknown",
            "lead",
            "ni_mh",
            "ni_cd",
            "lib",
            "zinc",
            "alkaline"
          ],
          "values": [
            {
              "value": "unknown",
              "descriptions": {
                "ja": "不明",
                "en": "Unknown"
              },
              "edt": "0x00"
            },
            {
              "value": "lead",
              "descriptions": {
                "ja": "鉛",
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                "en": "Lead"
              },
              "edt": "0x01"
            },
            {
              "value": "ni_mh",
              "descriptions": {
                "ja": "ニッケル水素",
                "en": "Nickel-metal hydride"
              },
              "edt": "0x02"
            },
            {
              "value": "ni_cd",
              "descriptions": {
                "ja": "ニッケルカドミウム",
                "en": "Nickel-cadmium"
              },
              "edt": "0x03"
            },
            {
              "value": "lib",
              "descriptions": {
                "ja": "リチウムイオン",
                "en": "Lithium ion"
              },
              "edt": "0x04"
            },
            {
              "value": "zinc",
              "descriptions": {
                "ja": "亜鉛",
                "en": "Zinc"
              },
              "edt": "0x05"
            },
            {
              "value": "alkaline",
              "descriptions": {
                "ja": "充電式アルカリ",
                "en": "Rechargeable alkaline"
              },
              "edt": "0x06"
            }
          ]
        }
      },
      "chargingAmount1": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "充電量設定値1",
          "en": "Charging amount setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "dischargingAmount1": {
        "epc": "0xE8",
        "descriptions": {
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          "ja": "放電量設定値1",
          "en": "Discharging amount setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "chargingAmount2": {
        "epc": "0xE9",
        "descriptions": {
          "ja": "充電量設定値2",
          "en": "Charging amount setting 2"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Ah",
          "minimum": 0,
          "maximum": 3276.6,
          "multipleOf": 0.1
        }
      },
      "dischargingAmount2": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "放電量設定値2",
          "en": "Discharging amount setting 2"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Ah",
          "minimum": 0,
          "maximum": 3276.6,
          "multipleOf": 0.1
        }
      },
      "chargingPower": {
        "epc": "0xEB",
        "descriptions": {
          "ja": "充電電力設定値",
          "en": "Charging electric energy setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "dischargingPower": {
        "epc": "0xEC",
        "descriptions": {
          "ja": "放電電力設定値",
          "en": "Discharging electric energy setting"
        },
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        "writable": true,
        "observable": false,
        "schema": {
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          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
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      },
      "chargingCurrent": {
        "epc": "0xED",
        "descriptions": {
          "ja": "充電電流設定値",
          "en": "Charging current setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "A",
          "minimum": 0,
          "maximum": 6553.3,
          "multipleOf": 0.1
        }
      },
      "dischargingCurrent": {
        "epc": "0xEE",
        "descriptions": {
          "ja": "放電電流設定値",
          "en": "Discharging current setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "A",
          "minimum": 0,
          "maximum": 6553.3,
          "multipleOf": 0.1
        }
      },
      "ratedVoltageAtIndependent": {
        "epc": "0xEF",
        "descriptions": {
          "ja": "定格電圧 (独立時)",
          "en": "Rated voltage (Independent)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "V",
          "minimum": 0,
          "maximum": 32766
        }
      }
    },
    "actions": {
      "resetCumulativeDischargingElectricEnergy": {
        "epc": "0xD7",
        "descriptions": {
          "ja": "積算放電電力量リセット設定",
          "en": "Measured cumulative discharging electric energy reset setting"
        },
        "schema": {},
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```
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      },
      "resetCumulativeChargingElectricEnergy": {
        "epc": "0xD9",
        "descriptions": {
          "ja": "積算充電電力量リセット設定",
          "en": "Measured cumulative charging electric energy reset setting"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      }
    }
  }
```


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電気自動車充放電器:evChargerDischarger:0x027E

List of Devicesに戻る

Note to Server:

ECHONET LiteのProperty「車両接続・充放電可否状態（EPC=0xC7）」は、ECHONET Liteでデータを GETする前に「車両接続確認（EPC=0xCD)」をSETする必要がある。サーバがECHONET Lite Web APIでGET:chargeDischargeStatusを受信した場合、サーバはECHONET Liteで「車両接続確認」をSETしたのち「車両接続・充放電可否状態」をGETする。

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
dischargeableCapacity1	GET	number	0xC0	車載電池の放電可能容量値1 Dischargeable capacity of vehicle mounted battery 1	
dischargeableCapacity2	GET	number	0xC1	車載電池の放電可能容量値2 Dischargeable capacity of vehicle mounted battery 2	
remainingDischargeableCapacity1	GET	number	0xC2	車載電池の放電可能残容量1 Remaining dischargeable capacity of vehicle mounted battery 1	
remainingDischargeableCapacity2	GET	number	0xC3	車載電池の放電可能残容量2 Remaining dischargeable capacity of vehicle mounted battery 2	
remainingDischargeableCapacity3	GET	number	0xC4	車載電池の放電可能残容量3 Remaining dischargeable capacity of vehicle mounted battery 3	
ratedChargeElectricPower	GET	number	0xC5	定格充電能力 Rated charge capacity	
ratedDischargeElectricPower	GET	number	0xC6	定格放電能力 Rated discharge capacity	
chargeDischargeStatus	GET	string	0xC7	車両接続・充放電可否状態 Vehicle connection and chargeable/dischargeable status	
minimumAndMaximumChargingElectricPower	GET	object	0xC8	最小最大充電電力値 Minimum/maximum charging electric energy	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
minimumAndMaximumDischargingElectricPower	GET	object	0xC9	最小最大放電電力値 Minimum/maximum discharging electric energy	
minimumAndMaximumChargingCurrent	GET	object	0xCA	最小最大充電電流値 Minimum/maximum charging current	
minimumAndMaximumDischargingCurrent	GET	object	0xCB	最小最大放電電流値 Minimum/maximum discharging current	
equipmentType	GET	string	0xCC	充放電器タイプ Charger/Discharger type	
chargeableCapacity	GET	number	0xCE	車載電池の充電可能容量値 Chargeable capacity of vehicle mounted battery	
remainingChargeableCapacity	GET	number	0xCF	車載電池の充電可能残容量値 Remaining chargeable capacity of vehicle mounted battery	
usedCapacity1	GET	number	0xD0	車載電池の使用容量値1 Used capacity of vehicle mounted battery 1	
usedCapacity2	GET	number	0xD1	車載電池の使用容量値2 Used capacity of vehicle mounted battery 2	
ratedVoltage	GET	number	0xD2	定格電圧 Rated voltage	
instantaneousElectricPower	GET	number	0xD3	瞬時充放電電力計測値 Measured instantaneous charging/discharging electric energy	
instantaneousCurrent	GET	number	0xD4	瞬時充放電電流計測値 Measured instantaneous charging/discharging current	
instantaneousVoltage	GET	number	0xD5	瞬時充放電電圧計測値 Measured instantaneous charging/discharging voltage	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeDischargingElectricEnergy	GET	number	0xD6	積算放電電力量計測値 Measured cumulative amount of discharging electric energy	
cumulativeChargingElectricEnergy	GET	number	0xD8	積算充電電力量計測値 Measured cumulative amount of charging electric energy	
operationMode	GET, PUT	string	0xDA	運転モード設定 Operation mode setting	
powerSystemInterconnectionStatus	GET	string	0xDB	系統連系状態 System interconnected type	
chargingMethod	GET, PUT	string	0xDC	充電方式 Charging method	
dischargingMethod	GET, PUT	string	0xDD	放電方式 Discharging method	
purchasingElectricPower	GET, PUT	number	0xDE	買電電力設定値 Purchasing electric power setting	
reInterconnectionPermission	GET, PUT	string	0xDF	再連系許可設定 Re-interconnection permission setting	
chargingDischargingElectricPower	GET, PUT	number	0xE0	充放電電力設定値 Charging/Discharging electric power setting	
actualOperationMode	GET	string	0xE1	運転動作状態 Actual operation mode	
remainingCapacity1	GET	number	0xE2	車載電池の電池残容量1 Remaining stored electricity of vehicle mounted battery1	
remainingCapacity2	GET	number	0xE3	車載電池の電池残容量2 Remaining stored electricity of vehicle mounted battery2	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
remainingCapacity3	GET	number	0xE4	車載電池の電池残容量3 Remaining stored electricity of vehicle mounted battery3	
maintenanceStatus	GET	string	0xE5	メンテナンス状態 Maintenance status	
vehicleId	GET	string	0xE6	車両ID Vehicle ID	
targetChargingElectricEnergy1	GET, PUT	number	0xE7	充電量設定値1 Charging amount setting 1	
targetChargingElectricEnergy2	GET, PUT	number	0xE9	充電量設定値2 Charging amount setting 2	
targetDischargingElectricEnergy	GET, PUT	number	0xEA	放電量設定値 Discharging electric energy setting	
chargingElectricPower	GET, PUT	number	0xEB	充電電力設定値 Charging electric energy setting	
dischargingElectricPower	GET, PUT	number	0xEC	放電電力設定値 Discharging electric energy setting	
chargingCurrent	GET, PUT	number	0xED	充電電流設定値 Charging current setting	
dischargingCurrent	GET, PUT	number	0xEE	放電電流設定値 Discharging current setting	
ratedVoltageOfIndependentOperation	GET	number	0xEF	定格電圧（独立時） Rated voltage (Independent)	

Actions

Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
resetCumulativeDischargingElectricEnergy	POST	0xD7	積算放電電力量リセット設定 Cumulative amount of discharging electric energy reset setting	

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Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
resetCumulativeChargingElectricEnergy	POST	0xD9	積算充電電力量リセット設定 Cumulative amount of charging electric energy reset setting	

Device Description

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{
  "deviceType": "evChargerDischarger",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x027E",
  "descriptions": {
    "ja": "電気自動車充放電器",
    "en": "EV charger and discharger"
  },
  "properties": {
    "dischargeableCapacity1": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "車載電池の放電可能容量値1",
        "en": "Dischargeable capacity of vehicle mounted battery 1"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      }
    },
    "dischargeableCapacity2": {
      "epc": "0xC1",
      "descriptions": {
        "ja": "車載電池の放電可能容量値2",
        "en": "Dischargeable capacity of vehicle mounted battery 2"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Ah",
        "minimum": 0,
        "maximum": 3276.6,
        "multipleOf": 0.1
      }
    },
    "remainingDischargeableCapacity1": {
      "epc": "0xC2",
      "descriptions": {
        "ja": "車載電池の放電可能残容量1",
        "en": "Remaining dischargeable capacity of vehicle mounted battery 1"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
```


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```
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        },
        "note": {
          "ja": "車載電池の放電可能残容量1、車載電池の放電可能残容量3 は、電気自動車充放電器に接続された電気自動車から出力される場合、いずれかの搭載を必須とする。応答できない状況にある場合、不可応答を返す",
          "en": "The installation of 'Remaining dischargeable capacity of vehicle mounted battery 1' or 'Remaining dischargeable capacity of vehicle mounted battery 3' is mandatory in case of output from an electric vehicle connected to an electric vehicle charger/discharger. Where no response can be returned, 'Response impossible' is returned."
        }
      },
      "remainingDischargeableCapacity2": {
        "epc": "0xC3",
        "descriptions": {
          "ja": "車載電池の放電可能残容量2",
          "en": "Remaining dischargeable capacity of vehicle mounted battery 2"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Ah",
          "minimum": 0,
          "maximum": 3276.6,
          "multipleOf": 0.1
        }
      },
      "remainingDischargeableCapacity3": {
        "epc": "0xC4",
        "descriptions": {
          "ja": "車載電池の放電可能残容量3",
          "en": "Remaining dischargeable capacity of vehicle mounted battery 3"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        },
        "note": {
          "ja": "車載電池の放電可能残容量1、車載電池の放電可能残容量3 は、電気自動車充放電器に接続された電気自動車から出力される場合、いずれかの搭載を必須とする。応答できない状況にある場合、不可応答を返す",
          "en": "The installation of 'Remaining dischargeable capacity of vehicle mounted battery 1' or 'Remaining dischargeable capacity of vehicle mounted battery 3' is mandatory in case of output from an electric vehicle connected to an electric vehicle charger/discharger. Where no response can be returned, 'Response impossible' is returned."
        }
      },
      "ratedChargeElectricPower": {
        "epc": "0xC5",
        "descriptions": {
          "ja": "定格充電能力",
          "en": "Rated charge capacity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
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        }
      },
      "ratedDischargeElectricPower": {
        "epc": "0xC6",
        "descriptions": {
          "ja": "定格放電能力",
          "en": "Rated discharge capacity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "chargeDischargeStatus": {
        "epc": "0xC7",
        "epcAtomic": "0xCD",
        "descriptions": {
          "ja": "車両接続・充放電可否状態",
          "en": "Vehicle connection and chargeable/dischargeable status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
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            "notConnected",
            "connected",
            "chargeable",
            "dischargeable",
            "chargeableDischargeable",
            "unknown"
          ],
          "values": [
            {
              "value": "undefined",
              "descriptions": {
                "ja": "不定",
                "en": "Undefined"
              },
              "edt": "0xFF"
            },
            {
              "value": "notConnected",
              "descriptions": {
                "ja": "車両未接続",
                "en": "Not Connected"
              },
              "edt": "0x30"
            },
            {
              "value": "connected",
              "descriptions": {
                "ja": "車両接続・充電不可・放電不可",
                "en": "Connected"
              },
              "edt": "0x40"
            },
            {
              "value": "chargeable",
              "descriptions": {
```


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                "ja": "車両接続・充電可・放電不可",
                "en": "Chargeable"
              },
              "edt": "0x41"
            },
            {
              "value": "dischargeable",
              "descriptions": {
                "ja": "車両接続・充電不可・放電可",
                "en": "Dischargeable"
              },
              "edt": "0x42"
            },
            {
              "value": "chargeableDischargeable",
              "descriptions": {
                "ja": "車両接続・充電可・放電可",
                "en": "Chargeable and Dischargeable"
              },
              "edt": "0x43"
            },
            {
              "value": "unknown",
              "descriptions": {
                "ja": "車両接続・充電可否不明",
                "en": "Unknown of Chargeability"
              },
              "edt": "0x44"
            }
          ]
        }
      },
      "minimumAndMaximumChargingElectricPower": {
        "epc": "0xC8",
        "descriptions": {
          "ja": "最小最大充電電力値",
          "en": "Minimum/maximum charging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "minimumElectricPower": {
              "descriptions": {
                "ja": "最小充電電力値",
                "en": "Minimum charging electric energy"
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              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            },
            "maximumElectricPower": {
              "descriptions": {
                "ja": "最大充電電力値",
                "en": "Maximum charging electric energy"
              },
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            }
          }
        }
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```
      },
      "minimumAndMaximumDischargingElectricPower": {
        "epc": "0xC9",
        "descriptions": {
          "ja": "最小最大放電電力値",
          "en": "Minimum/maximum discharging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "minimumElectricPower": {
              "descriptions": {
                "ja": "最小放電電力値",
                "en": "Minimum discharging electric energy"
              },
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            },
            "maximumElectricPower": {
              "descriptions": {
                "ja": "最大放電電力値",
                "en": "Maximum discharging electric energy"
              },
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            }
          }
        }
      },
      "minimumAndMaximumChargingCurrent": {
        "epc": "0xCA",
        "descriptions": {
          "ja": "最小最大充電電流値",
          "en": "Minimum/maximum charging current"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "minimumCurrent": {
              "descriptions": {
                "ja": "最小充電電流値",
                "en": "Minimum charging current"
              },
              "type": "number",
              "unit": "A",
              "minimum": 0,
              "maximum": 3276.6,
              "multipleOf": 0.1
            },
            "maximumCurrent": {
              "descriptions": {
                "ja": "最大充電電流値",
                "en": "Maximum charging current"
              },
              "type": "number",
              "unit": "A",
              "minimum": 0,
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```
              "maximum": 3276.6,
              "multipleOf": 0.1
            }
          }
        }
      },
      "minimumAndMaximumDischargingCurrent": {
        "epc": "0xCB",
        "descriptions": {
          "ja": "最小最大放電電流値",
          "en": "Minimum/maximum discharging current"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
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                "ja": "最小放電電流値",
                "en": "Minimum discharging current"
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              "type": "number",
              "unit": "A",
              "minimum": 0,
              "maximum": 3276.6,
              "multipleOf": 0.1
            },
            "maximumCurrent": {
              "descriptions": {
                "ja": "最大放電電流値",
                "en": "Maximum discharging current"
              },
              "type": "number",
              "unit": "A",
              "minimum": 0,
              "maximum": 3276.6,
              "multipleOf": 0.1
            }
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        }
      },
      "equipmentType": {
        "epc": "0xCC",
        "descriptions": {
          "ja": "充放電器タイプ",
          "en": "Charger/Discharger type"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "ac_cplt",
            "ac_hlc_charge",
            "ac_hlc_chargedischarge",
            "dc_aa_charge",
            "dc_aa_chargedischarge",
            "dc_aa_discharge",
            "dc_bb_charge",
            "dc_bb_chargedischarge",
            "dc_bb_discharge",
            "dc_ee_charge",
            "dc_ee_chargedischarge",
            "dc_ee_discharge",
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            "dc_ff_charge",
            "dc_ff_chargedischarge",
            "dc_ff_discharge"
          ],
          "values": [
            {
              "value": "ac_cplt",
              "descriptions": {
                "ja": "AC_CPLT",
                "en": "AC_CPLT"
              },
              "edt": "0x11"
            },
            {
              "value": "ac_hlc_charge",
              "descriptions": {
                "ja": "AC_HLC（充電のみ)",
                "en": "AC_HLC_Charge"
              },
              "edt": "0x12"
            },
            {
              "value": "ac_hlc_chargedischarge",
              "descriptions": {
                "ja": "AC_HLC（充放電可)",
                "en": "AC_HLC_ChargeDischarge"
              },
              "edt": "0x13"
            },
            {
              "value": "dc_aa_charge",
              "descriptions": {
                "ja": "DCタイプ_AA（充電のみ)",
                "en": "DC_AA_Charge"
              },
              "edt": "0x21"
            },
            {
              "value": "dc_aa_chargedischarge",
              "descriptions": {
                "ja": "DCタイプ_AA（充放電可)",
                "en": "DC_AA_ChargeDischarge"
              },
              "edt": "0x22"
            },
            {
              "value": "dc_aa_discharge",
              "descriptions": {
                "ja": "DCタイプ_AA（放電のみ)",
                "en": "DC_AA_Discharge"
              },
              "edt": "0x23"
            },
            {
              "value": "dc_bb_charge",
              "descriptions": {
                "ja": "DCタイプ_BB（充電のみ)",
                "en": "DC_BB_Charge"
              },
              "edt": "0x31"
            },
            {
              "value": "dc_bb_chargedischarge",
              "descriptions": {
                "ja": "DCタイプ_BB（充放電可)",
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```
                "en": "DC_BB_ChargeDischarge"
              },
              "edt": "0x32"
            },
            {
              "value": "dc_bb_discharge",
              "descriptions": {
                "ja": "DCタイプ_BB (放電のみ)",
                "en": "DC_BB_Discharge"
              },
              "edt": "0x33"
            },
            {
              "value": "dc_ee_charge",
              "descriptions": {
                "ja": "DCタイプ_EE (充電のみ)",
                "en": "DC_EE_Charge"
              },
              "edt": "0x41"
            },
            {
              "value": "dc_ee_chargedischarge",
              "descriptions": {
                "ja": "DCタイプ_EE (充放電可)",
                "en": "DC_EE_ChargeDischarge"
              },
              "edt": "0x42"
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              "value": "dc_ee_discharge",
              "descriptions": {
                "ja": "DCタイプ_EE (放電のみ)",
                "en": "DC_EE_Discharge"
              },
              "edt": "0x43"
            },
            {
              "value": "dc_ff_charge",
              "descriptions": {
                "ja": "DCタイプ_FF (充電のみ)",
                "en": "DC_FF_Charge"
              },
              "edt": "0x51"
            },
            {
              "value": "dc_ff_chargedischarge",
              "descriptions": {
                "ja": "DCタイプ_FF (充放電可)",
                "en": "DC_FF_ChargeDischarge"
              },
              "edt": "0x52"
            },
            {
              "value": "dc_ff_discharge",
              "descriptions": {
                "ja": "DCタイプ_FF (放電のみ)",
                "en": "DC_FF_Discharge"
              },
              "edt": "0x53"
            }
          ]
        },
        "note": {
          "ja": "充放電器タイプのDC_タイプAA、DC_タイプBB、DC_タイプEE 及びDC_タイプFFは、IEC 62196-3 にて
規定されているConfiguration AA、Configuration BB、Configuration EE 及びConfiguration FF に記載の形状の
```


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```
コネクタを有する電気自動車充放電器とする",
        "en": "DC_type AA, DC_type BB, DC_type EE and DC_type FF chargers/dischargers shall be
electric vehicle chargers/dischargers with connectors of the shape specified in Configuration AA,
Configuration BB, Configuration EE and Configuration FF as defined in IEC 62196-3."
      }
    },
    "chargeableCapacity": {
      "epc": "0xCE",
      "descriptions": {
        "ja": "車載電池の充電可能容量値",
        "en": "Chargeable capacity of vehicle mounted battery"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      },
      "note": {
        "ja": "車載電池の充電可能容量値、車載電池の充電可能残容量値は電気自動車充放電器に接続された電気自動
車から出力される場合、搭載を必須とする",
        "en": "The installation of 'chargeable capacity of vehicle mounted battery' and 'chargeable
capacity of vehicle mounted battery' is mandatory in case of output from an electric vehicle
connected to an electric vehicle charger/discharger."
      }
    },
    "remainingChargeableCapacity": {
      "epc": "0xCF",
      "descriptions": {
        "ja": "車載電池の充電可能残容量値",
        "en": "Remaining chargeable capacity of vehicle mounted battery"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      },
      "note": {
        "ja": "車載電池の充電可能容量値、車載電池の充電可能残容量値は電気自動車充放電器に接続された電気自動
車から出力される場合、搭載を必須とする",
        "en": "The installation of 'chargeable capacity of vehicle mounted battery' and 'chargeable
capacity of vehicle mounted battery' is mandatory in case of output from an electric vehicle
connected to an electric vehicle charger/discharger."
      }
    },
    "usedCapacity1": {
      "epc": "0xD0",
      "descriptions": {
        "ja": "車載電池の使用容量値1",
        "en": "Used capacity of vehicle mounted battery 1"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      },
      "note": {
```


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```
        "ja": "車載電池の使用容量値1 は、電気自動車充放電器に接続された電気自動車から出力される場合、搭載を必須とする。応答できない状況にある場合、不可応答を返す",
        "en": "The installation of 'Used capacity of vehicle mounted battery 1' is mandatory in case of output from an electric vehicle connected to an electric vehicle charger/discharger. Where no response can be returned, 'Response impossible' is returned."
      }
    },
    "usedCapacity2": {
      "epc": "0xD1",
      "descriptions": {
        "ja": "車載電池の使用容量値2",
        "en": "Used capacity of vehicle mounted battery 2"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Ah",
        "minimum": 0,
        "maximum": 3276.6,
        "multipleOf": 0.1
      }
    },
    "ratedVoltage": {
      "epc": "0xD2",
      "descriptions": {
        "ja": "定格電圧",
        "en": "Rated voltage"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "V",
        "minimum": 0,
        "maximum": 32766
      }
    },
    "instantaneousElectricPower": {
      "epc": "0xD3",
      "descriptions": {
        "ja": "瞬時充放電電力計測値",
        "en": "Measured instantaneous charging/discharging electric energy"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "W",
        "minimum": -999999999,
        "maximum": 999999999
      }
    },
    "instantaneousCurrent": {
      "epc": "0xD4",
      "descriptions": {
        "ja": "瞬時充放電電流計測値",
        "en": "Measured instantaneous charging/discharging current"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "A",
        "minimum": -3276.7,
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```
          "maximum": 3276.6,
          "multipleOf": 0.1
        }
      },
      "instantaneousVoltage": {
        "epc": "0xD5",
        "descriptions": {
          "ja": "瞬時充放電電圧計測値",
          "en": "Measured instantaneous charging/discharging voltage"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "V",
          "minimum": -32767,
          "maximum": 32766
        }
      },
      "cumulativeDischargingElectricEnergy": {
        "epc": "0xD6",
        "descriptions": {
          "ja": "積算放電電力量計測値",
          "en": "Measured cumulative amount of discharging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
      "cumulativeChargingElectricEnergy": {
        "epc": "0xD8",
        "descriptions": {
          "ja": "積算充電電力量計測値",
          "en": "Measured cumulative amount of charging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
      "operationMode": {
        "epc": "0xDA",
        "descriptions": {
          "ja": "運転モード設定",
          "en": "Operation mode setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "charge",
            "discharge",
            "standby",
```


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```
            "chargingDischarging",
            "idle",
            "preparation",
            "automatic",
            "other"
          ],
          "values": [
            {
              "value": "charge",
              "descriptions": {
                "ja": "充電",
                "en": "Charge"
              },
              "edt": "0x42"
            },
            {
              "value": "discharge",
              "descriptions": {
                "ja": "放電",
                "en": "Discharge"
              },
              "edt": "0x43"
            },
            {
              "value": "standby",
              "descriptions": {
                "ja": "待機",
                "en": "Standby"
              },
              "edt": "0x44"
            },
            {
              "value": "chargingDischarging",
              "descriptions": {
                "ja": "充放電",
                "en": "Charging/Discharging"
              },
              "edt": "0x46"
            },
            {
              "value": "idle",
              "descriptions": {
                "ja": "停止",
                "en": "Idle"
              },
              "edt": "0x47"
            },
            {
              "value": "preparation",
              "descriptions": {
                "ja": "準備",
                "en": "Preparation"
              },
              "edt": "0x48"
            },
            {
              "value": "automatic",
              "descriptions": {
                "ja": "自動",
                "en": "Automatic"
              },
              "edt": "0x49"
            },
            {
              "value": "other",
```


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```
            "descriptions": {
              "ja": "その他",
              "en": "Other"
            },
            "edt": "0x40"
          }
        ]
      }
    },
    "powerSystemInterconnectionStatus": {
      "epc": "0xDB",
      "descriptions": {
        "ja": "系統連系状態",
        "en": "System interconnected type"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "reversePowerFlowAcceptable",
          "independent",
          "reversePowerFlowNotAcceptable"
        ],
        "values": [
          {
            "value": "reversePowerFlowAcceptable",
            "descriptions": {
              "ja": "系統連系 (逆潮流可)",
              "en": "Grid connection (reverse flow acceptable)"
            },
            "edt": "0x00"
          },
          {
            "value": "independent",
            "descriptions": {
              "ja": "独立",
              "en": "Independent operation"
            },
            "edt": "0x01"
          },
          {
            "value": "reversePowerFlowNotAcceptable",
            "descriptions": {
              "ja": "系統連系 (逆潮流不可)",
              "en": "Grid connection (reverse flow not acceptable)"
            },
            "edt": "0x02"
          }
        ]
      }
    },
    "chargingMethod": {
      "epc": "0xDC",
      "descriptions": {
        "ja": "充電方式",
        "en": "Charging method"
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "string",
        "enum": [
          "others",
          "maximumChargingElectricPower",
```


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```
            "surplusElectricPower",
            "designatedElectricPower",
            "designatedElectricCurrent",
            "designatedPurchasingElectricPower",
            "v2G"
          ],
          "values": [
            {
              "value": "others",
              "descriptions": {
                "ja": "その他",
                "en": "Others"
              },
              "edt": "0x00"
            },
            {
              "value": "maximumChargingElectricPower",
              "descriptions": {
                "ja": "最大充電電力充電",
                "en": "Maximum charging electric power charging"
              },
              "edt": "0x01"
            },
            {
              "value": "surplusElectricPower",
              "descriptions": {
                "ja": "余剰電力充電",
                "en": "Surplus electric power charging"
              },
              "edt": "0x02"
            },
            {
              "value": "designatedElectricPower",
              "descriptions": {
                "ja": "指定電力充電",
                "en": "Designated electric power charging"
              },
              "edt": "0x03"
            },
            {
              "value": "designatedElectricCurrent",
              "descriptions": {
                "ja": "指定電流充電",
                "en": "Designated electric current charging"
              },
              "edt": "0x04"
            },
            {
              "value": "designatedPurchasingElectricPower",
              "descriptions": {
                "ja": "買電電力指定充電",
                "en": "Designated purchasing electric power charging"
              },
              "edt": "0x05"
            },
            {
              "value": "v2G",
              "descriptions": {
                "ja": "V2G",
                "en": "V2G"
              },
              "edt": "0x06"
            }
          ]
        }
```


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```
    },
    "dischargingMethod": {
      "epc": "0xDD",
      "descriptions": {
        "ja": "放電方式",
        "en": "Discharging method"
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "string",
        "enum": [
          "others",
          "maximumDischargingElectricPower",
          "loadFollowing",
          "designatedElectricPower",
          "designatedElectricCurrent",
          "designatedPurchasingElectricPower",
          "v2G"
        ],
        "values": [
          {
            "value": "others",
            "descriptions": {
              "ja": "その他",
              "en": "Others"
            },
            "edt": "0x00"
          },
          {
            "value": "maximumDischargingElectricPower",
            "descriptions": {
              "ja": "最大放電電力充電",
              "en": "Maximum discharging electric power charging"
            },
            "edt": "0x01"
          },
          {
            "value": "loadFollowing",
            "descriptions": {
              "ja": "負荷追従放電",
              "en": "Load-following discharging"
            },
            "edt": "0x02"
          },
          {
            "value": "designatedElectricPower",
            "descriptions": {
              "ja": "指定電力放電",
              "en": "Designated electric power discharging"
            },
            "edt": "0x03"
          },
          {
            "value": "designatedElectricCurrent",
            "descriptions": {
              "ja": "指定電流放電",
              "en": "Designated electric current discharging"
            },
            "edt": "0x04"
          },
          {
            "value": "designatedPurchasingElectricPower",
            "descriptions": {
              "ja": "買電電力指定放電",
```


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```
                "en": "Designated purchasing electric power discharging"
              },
              "edt": "0x05"
            },
            {
              "value": "v2G",
              "descriptions": {
                "ja": "V2G",
                "en": "V2G"
              },
              "edt": "0x06"
            }
          ]
        }
      },
      "purchasingElectricPower": {
        "epc": "0xDE",
        "descriptions": {
          "ja": "買電電力設定値",
          "en": "Purchasing electric power setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "reInterconnectionPermission": {
        "epc": "0xDF",
        "descriptions": {
          "ja": "再連系許可設定",
          "en": "Re-interconnection permission setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "permitted",
            "prohibited"
          ],
          "values": [
            {
              "value": "permitted",
              "descriptions": {
                "ja": "許可",
                "en": "Permitted"
              },
              "edt": "0x41"
            },
            {
              "value": "prohibited",
              "descriptions": {
                "ja": "禁止",
                "en": "Prohibited"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "chargingDischargingElectricPower": {
```


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```
        "epc": "0xE0",
        "descriptions": {
          "ja": "充放電電力設定値",
          "en": "Charging/Discharging electric power setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": -999999999,
          "maximum": 999999999
        },
        "note": {
          "ja": "プロパティの値域 は、0x00000001～0x3B9AC9FF (1～999,999,999)：充電時(プラス値)、
0xFFFFFFFF～0xC4653601 (－1～－999,999,999)：放電時(マイナス値)とする。なお、充放電電力設定値のプロパティ
値は、書き込み要求受信時以外は変更しない値とする。充電方式プロパティ(0xDC)のプロパティ値がV2G (0x06)である場
合、もしくは放電方式プロパティ(0xDC)のプロパティ値がV2G (0x06)である場合に、本プロパティのプロパティ値が正の
数値である書き込み要求を受信した場合、運転モード設定(0xDA)を充電(0x42)とする。本プロパティのプロパティ値が負
の数値である書き込み要求を受信した場合、運転モード設定(0xDA)を放電(0x43)とする。本プロパティのプロパティ値が
0x00である書き込み要求を受信した場合、運転モード設定(0xDA)を待機(0x44)とする。充電方式プロパティ(0xDC)がV2G
(0x06)以外の時に、本プロパティのプロパティ値が0もしく正の値である書き込み要求を受信しても、運転モード設定プロ
パティおよび本プロパティのプロパティ値は変更しない。また、放電方式プロパティ(0xDD)がV2G (0x06)以外の時に、本
プロパティのプロパティ値が0もしく負の値である書き込み要求を受信しても、運転モード設定プロパティおよび本プロパ
ティのプロパティ値は変更しない",
          "en": "This property specifies the charging/discharging electric power in watts. The
property value range shall be 0x00000001 to 0x3B9AC9FF (1 to 999,999,999): charging (positive),
0xFFFFFFFF to 0xC4653601 (-1 to -999,999,999W): discharging (negative). The property value of the
charging/discharging electric power setting shall be a value that is not changed except when a write
request is received. When the value of the charging method property (0xDC) is V2G (0x06) or the
value of the discharging method property (0xDD) is V2G (0x06), the operation mode setting property
(0xDA) shall be set to charging (0x42) if a write request specifying a positive value for this
property is received. The operation mode setting property (0xDA) shall be set to discharging (0x43)
if a write request specifying a negative value for this property is received. The operation mode
setting property (0xDA) shall be set to standby (0x44) if a write request specifying zero for this
property is received. When the value of the charging method property (0xDC) is other than V2G
(0x06), the values of the operation mode setting property and this property shall not be changed
even if a write request specifying a positive value or zero for this property is received. When the
value of the discharging method property (0xDD) is other than V2G (0x06), the values of the
operation mode setting property and this property shall not be changed even if a write request
specifying a negative value or zero for this property is received."
        }
      },
      "actualOperationMode": {
        "epc": "0xE1",
        "descriptions": {
          "ja": "運転動作状態",
          "en": "Actual operation mode"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "charge",
            "discharge",
            "standby",
            "idle",
            "preparation",
            "other"
          ],
          "values": [
            {
              "value": "charge",
              "descriptions": {
```


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```
                "ja": "充電",
                "en": "Charge"
              },
              "edt": "0x42"
            },
            {
              "value": "discharge",
              "descriptions": {
                "ja": "放電",
                "en": "Discharge"
              },
              "edt": "0x43"
            },
            {
              "value": "standby",
              "descriptions": {
                "ja": "待機",
                "en": "Standby"
              },
              "edt": "0x44"
            },
            {
              "value": "idle",
              "descriptions": {
                "ja": "停止",
                "en": "Idle"
              },
              "edt": "0x47"
            },
            {
              "value": "preparation",
              "descriptions": {
                "ja": "準備",
                "en": "Preparation"
              },
              "edt": "0x48"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "remainingCapacity1": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "車載電池の電池残容量1",
          "en": "Remaining stored electricity of vehicle mounted battery1"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        },
        "note": {
          "ja": "車載電池の電池残容量1、車載電池の電池残容量3 は、電気自動車充放電器に接続された電気自動車から
出力される場合、いずれかの搭載を必須とする。応答できない状況にある場合、不可応答を返す",
```


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```
        "en": "The installation of 'Remaining stored electricity of vehicle mounted battery 1' or
'Remaining stored electricity of vehicle mounted battery 3' is mandatory in case of output from an
electric vehicle connected to an electric vehicle charger/discharger. Where no response can be
returned, 'Response impossible' is returned."
      }
    },
    "remainingCapacity2": {
      "epc": "0xE3",
      "descriptions": {
        "ja": "車載電池の電池残容量2",
        "en": "Remaining stored electricity of vehicle mounted battery2"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Ah",
        "minimum": 0,
        "maximum": 3276.6,
        "multipleOf": 0.1
      }
    },
    "remainingCapacity3": {
      "epc": "0xE4",
      "descriptions": {
        "ja": "車載電池の電池残容量3",
        "en": "Remaining stored electricity of vehicle mounted battery3"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
      },
      "note": {
        "ja": "車載電池の電池残容量1、車載電池の電池残容量3 は、電気自動車充放電器に接続された電気自動車から
出力される場合、いずれかの搭載を必須とする。応答できない状況にある場合、不可応答を返す",
        "en": "The installation of 'Remaining stored electricity of vehicle mounted battery 1' or
'Remaining stored electricity of vehicle mounted battery 3' is mandatory in case of output from an
electric vehicle connected to an electric vehicle charger/discharger. Where no response can be
returned, 'Response impossible' is returned."
      }
    },
    "maintenanceStatus": {
      "epc": "0xE5",
      "descriptions": {
        "ja": "メンテナンス状態",
        "en": "Maintenance status"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "string",
        "enum": [
          "necessary",
          "notNecessary"
        ],
        "values": [
          {
            "value": "necessary",
            "descriptions": {
              "ja": "発生有",
              "en": "Occurrence status found"
```


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```
            },
            "edt": "0x41"
          },
          {
            "value": "notNecessary",
            "descriptions": {
              "ja": "発生無",
              "en": "Occurrence status not found"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "vehicleId": {
      "epc": "0xE6",
      "descriptions": {
        "ja": "車両ID",
        "en": "Vehicle ID"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string"
      }
    },
    "targetChargingElectricEnergy1": {
      "epc": "0xE7",
      "descriptions": {
        "ja": "充電量設定値1",
        "en": "Charging amount setting 1"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      },
      "note": {
        "ja": "充電量設定値1 (または2)を使用する場合は充電量設定値2 (または1)を使用しない。0は未設定とする",
        "en": "When 'Charging amount setting 1 (or 2)' is used, 'Charging amount setting 2 (or 1)' shall not be used. 0 shall be 'not set'."
      }
    },
    "targetChargingElectricEnergy2": {
      "epc": "0xE9",
      "descriptions": {
        "ja": "充電量設定値2",
        "en": "Charging amount setting 2"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Ah",
        "minimum": 0,
        "maximum": 3276.6,
        "multipleOf": 0.1
      },
      "note": {
        "ja": "充電量設定値1 (または2)を使用する場合は充電量設定値2 (または1)を使用しない。0は未設定とする",
```


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```
          "en": "When 'Charging amount setting 1 (or 2)' is used, 'Charging amount setting 2 (or 1)'
shall not be used. 0 shall be 'not set'."
        }
      },
      "targetDischargingElectricEnergy": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "放電量設定値",
          "en": "Discharging electric energy setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        },
        "note": {
          "ja": "0は未設定とする",
          "en": "0 shall be 'not set'."
        }
      },
      "chargingElectricPower": {
        "epc": "0xEB",
        "descriptions": {
          "ja": "充電電力設定値",
          "en": "Charging electric energy setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "dischargingElectricPower": {
        "epc": "0xEC",
        "descriptions": {
          "ja": "放電電力設定値",
          "en": "Discharging electric energy setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "chargingCurrent": {
        "epc": "0xED",
        "descriptions": {
          "ja": "充電電流設定値",
          "en": "Charging current setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "A",
          "minimum": 0,
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```
          "maximum": 6553.3,
          "multipleOf": 0.1
        }
      },
      "dischargingCurrent": {
        "epc": "0xEE",
        "descriptions": {
          "ja": "放電電流設定値",
          "en": "Discharging current setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "A",
          "minimum": 0,
          "maximum": 6553.3,
          "multipleOf": 0.1
        }
      },
      "ratedVoltageOfIndependentOperation": {
        "epc": "0xEF",
        "descriptions": {
          "ja": "定格電圧 (独立時)",
          "en": "Rated voltage (Independent)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "V",
          "minimum": 0,
          "maximum": 32766
        }
      }
    },
    "actions": {
      "resetCumulativeDischargingElectricEnergy": {
        "epc": "0xD7",
        "descriptions": {
          "ja": "積算放電電力量リセット設定",
          "en": "Cumulative amount of discharging electric energy reset setting"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      },
      "resetCumulativeChargingElectricEnergy": {
        "epc": "0xD9",
        "descriptions": {
          "ja": "積算充電電力量リセット設定",
          "en": "Cumulative amount of charging electric energy reset setting"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      }
    }
  }
```


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電力量メータ:wattHourMeter:0x0280

List of Devicesに戻る

Note to Server:
以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に積算電力量単位（EPC=0xE2）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、99999999と積算電力量単位（EPC=0xE2）を乗算した値となる。multipleOfを付加する場合は、積算電力量単位（EPC=0xE2）の値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 積算電力量計測値
- 積算電力量計測値履歴1

例：

```
積算電力量計測値（EPC=0xE0）: 0x00BC614E（12345678）
積算電力量単位（EPC=0xE2）   : 0x02（0.01kWh）   の場合
    実際の積算電力量  12345678×0.01=123456.78[kWh]
    maximumの値       99999999×0.01=999999.99
    multipleOfの値    0.01
```

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeElectricEnergy	GET	number	0xE0	積算電力量計測値 Cumulative amounts of electric energy measurement value	
cumulativeElectricEnergyLog1	GET	array	0xE3	積算電力量計測値履歴1 Cumulative amounts of electric energy measurement log 1	

Device Description


```
{
  "deviceType": "wattHourMeter",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0280",
  "descriptions": {
    "ja": "電力量メータ",
    "en": "Watt-hour meter"
  },
  "properties": {
    "cumulativeElectricEnergy": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "積算電力量計測値",
        "en": "Cumulative amounts of electric energy measurement value"
      },
      "writable": false,
```


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```
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "coefficient": [
            "0xE2"
          ]
        },
        "note": {
          "ja": "EPC=0xE2の値を乗算済みの値",
          "en": "This value is already multipled by the value of EPC=0xE2."
        }
      },
      "cumulativeElectricEnergyLog1": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "積算電力量計測値履歴1",
          "en": "Cumulative amounts of electric energy measurement log 1"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 48,
          "maxItems": 48,
          "items": {
            "oneOf": [
              {
                "type": "number",
                "unit": "kWh",
                "minimum": 0,
                "coefficient": [
                  "0xE2"
                ]
              },
              {
                "type": "string",
                "enum": [
                  "noData"
                ],
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0xFFFFFFFE"
                  }
                ]
              }
            ]
          }
        },
        "note": {
          "ja": "EPC=0xE2の値を乗算済みの値",
          "en": "This value is already multipled by the value of EPC=0xE2."
        }
      }
    }
  }
```


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水流量メータ:waterFlowMeter:0x0281

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
waterFlowMeterClassification	GET, PUT	string	0xD0	水流量メータ区分 Water flowmeter classification	
ownerClassification	GET, PUT	string	0xD1	所有者区分 Owner classification	
cumulativeFlowingWater	GET	number	0xE0	積算水流量計測値 Measured cumulative amount of flowing water	
abnormalDetection	GET	boolean	0xE3	検針データ異常検知状態 Detection of abnormal value in metering data	
securityDataInformation	GET	number	0xE4	セキュリティデータ情報 Security data information	
idNumber	GET, PUT	string	0xE5	ID番号設定 ID number setting	
verificationExpirationInformation	GET, PUT	string	0xE6	検定満期情報 Verification expiration information	
cumulativeFlowingWaterLog2	GET	array	0xE7	積算水流量計測値履歴2 Historical data 2 of measured cumulative amount of flowing water	

Device Description

```
{
  "deviceType": "waterFlowMeter",
  "metaData": {
    "version": "1.5.0"
  },
  "eoj": "0x0281",
  "descriptions": {
    "ja": "水流量メータ",
    "en": "Water flowmeter"
  },
  "properties": {
    "waterFlowMeterClassification": {
      "epc": "0xD0",
      "descriptions": {
        "ja": "水流量メータ区分",
        "en": "Water flowmeter classification"
```


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```
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "runningWater",
            "recycledWater",
            "sewageWater",
            "otherWater"
          ],
          "values": [
            {
              "value": "runningWater",
              "descriptions": {
                "ja": "上水",
                "en": "running water"
              },
              "edt": "0x30"
            },
            {
              "value": "recycledWater",
              "descriptions": {
                "ja": "中水",
                "en": "recycled water"
              },
              "edt": "0x31"
            },
            {
              "value": "sewageWater",
              "descriptions": {
                "ja": "下水",
                "en": "sewage water"
              },
              "edt": "0x32"
            },
            {
              "value": "otherWater",
              "descriptions": {
                "ja": "その他",
                "en": "other water"
              },
              "edt": "0x33"
            }
          ]
        }
      },
      "ownerClassification": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "所有者区分",
          "en": "Owner classification"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "notSpecified",
            "publicWaterworksCompany",
            "privateSectorCompany",
            "individual"
          ],
          "values": [
            {
```


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```
            "value": "notSpecified",
            "descriptions": {
              "ja": "指定なし",
              "en": "Not specified"
            },
            "edt": "0x30"
          },
          {
            "value": "publicWaterworksCompany",
            "descriptions": {
              "ja": "事業体",
              "en": "Public waterworks company"
            },
            "edt": "0x31"
          },
          {
            "value": "privateSectorCompany",
            "descriptions": {
              "ja": "民間会社",
              "en": "Private sector company"
            },
            "edt": "0x32"
          },
          {
            "value": "individual",
            "descriptions": {
              "ja": "個人",
              "en": "Individual"
            },
            "edt": "0x33"
          }
        ]
      }
    },
    "cumulativeFlowingWater": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "積算水流量計測値",
        "en": "Measured cumulative amount of flowing water"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "m3",
        "minimum": 0,
        "maximum": 999999999
      },
      "note": {
        "ja": "値は0xE1の値を乗算した値。",
        "en": "This value is already multiplied with 0xE1."
      }
    },
    "abnormalDetection": {
      "epc": "0xE3",
      "descriptions": {
        "ja": "検針データ異常検知状態",
        "en": "Detection of abnormal value in metering data"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
```


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```
            "value": true,
            "descriptions": {
              "ja": "検知有",
              "en": "Detected"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "検知無",
              "en": "Not detected"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "securityDataInformation": {
      "epc": "0xE4",
      "descriptions": {
        "ja": "セキュリティデータ情報",
        "en": "Security data information"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "minimum": 0,
        "maximum": 4294967295
      }
    },
    "idNumber": {
      "epc": "0xE5",
      "descriptions": {
        "ja": "ID番号設定",
        "en": "ID number setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string"
      }
    },
    "verificationExpirationInformation": {
      "epc": "0xE6",
      "descriptions": {
        "ja": "検定満期情報",
        "en": "Verification expiration information"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string"
      }
    },
    "cumulativeFlowingWaterLog2": {
      "epc": "0xE7",
      "descriptions": {
        "ja": "積算水流量計測値履歴2",
        "en": "Historical data 2 of measured cumulative amount of flowing water"
      },
      "writable": false,
      "observable": false,
      "schema": {
```


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```
          "type": "array",
          "minItems": 48,
          "maxItems": 48,
          "items": {
            "oneOf": [
              {
                "type": "number",
                "unit": "m3",
                "minimum": 0,
                "coefficient": [
                  "0xE1"
                ]
              },
              {
                "type": "string",
                "enum": [
                  "noData"
                ],
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0xFFFFFFFE"
                  }
                ]
              }
            ]
          }
        },
        "note": {
          "ja": "EPC=0xE1の値を乗算済みの値",
          "en": "This value is already multipled by the value of EPC=0xE1."
        }
      }
    }
  }
```


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ガスメータ:gasMeter:0x0282

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeGasConsumption	GET	number	0xE0	積算ガス消費量計測値 Cumulative amount of gas consumption measurement value	
cumulativeGasConsumptionLog	GET	array	0xE2	積算ガス消費量計測値履歴 Cumulative amounts of gas consumption measurement log	

Device Description

```
{
  "deviceType": "gasMeter",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0282",
  "descriptions": {
    "ja": "ガスメータ",
    "en": "Gas meter"
  },
  "properties": {
    "cumulativeGasConsumption": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "積算ガス消費量計測値",
        "en": "Cumulative amount of gas consumption measurement value"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "m3",
        "minimum": 0,
        "maximum": 999999.999,
        "multipleOf": 0.001
      }
    },
    "cumulativeGasConsumptionLog": {
      "epc": "0xE2",
      "descriptions": {
        "ja": "積算ガス消費量計測値履歴",
        "en": "Cumulative amounts of gas consumption measurement log"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 48,
        "maxItems": 48,
        "items": {
          "oneOf": [
```


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```
            {
              "type": "number",
              "unit": "m3",
              "minimum": 0,
              "maximum": 999999.999,
              "multipleOf": 0.001
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0xFFFFFFFE"
                }
              ]
            }
          ]
        }
      }
    }
  }
}
```


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分電盤メータリング:powerDistributionBoardMetering:0x0287

List of Devicesに戻る

Note to Server:
以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に積算電力量単位（EPC=0xC2）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、99999999と積算電力量単位（EPC=0xC2）を乗算した値となる。multipleOfを付加する場合は、積算電力量単位（EPC=0xC2）の値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 積算電力量計測値リスト（片方向）
- 積算電力量計測値リスト（双方向）
- 積算電力量計測値（正方向）
- 積算電力量計測値（逆方向）
- 積算電力量計測値履歴（正方向）
- 積算電力量計測値履歴（逆方向）
- 計測チャンネル1～32

例：

```
積算電力量計測値（正方向）（EPC=0xC0）: 0x00BC614E（12345678）
積算電力量単位（EPC=0xC2）             : 0x02（0.01kWh）   の場合
    実際の積算電力量  12345678×0.01=123456.78[kWh]
    maximumの値       99999999×0.01=999999.99
    multipleOfの値    0.01
```

以下のECHONET LiteのPropertyは、ECHONET Liteでデータを GETする前に「積算履歴収集日（EPC=0xC5)」をSETする必要がある。ECHONET Lite Web APIでは以下のPropertyをGET(REST)する際に「積算履歴収集日」の値をQueryとして指定する。サーバはECHONET Liteで「積算履歴収集日」をSETしたのち「積算電力量計測値履歴」をGETする。なお、ECHONET Lite Web APIでqueryを付加しない場合は「積算履歴収集日」=0として扱う。

- 積算電力量計測値履歴（正方向）
- 積算電力量計測値履歴（逆方向）

以下の計測値リストに記載されているECHONET LiteのPropertyは、ECHONET Liteでデータを GETする前に計測チャンネル範囲指定に記載されているPropertyをSETする必要がある。ECHONET Lite Web APIでは以下の計測値リスト記載のPropertyをGET(REST)する際に計測チャンネル範囲指定記載のPropertyの値をQueryとして指定する。サーバはECHONET Liteで計測チャンネル範囲指定記載のPropertyをSETしたのち計測値リスト記載のPropertyをGETする。

計測値リスト	計測チャンネル範囲指定
積算電力量計測値リスト（片方向）	積算電力量計測チャンネル範囲指定（片方向）
瞬時電流計測値リスト（片方向）	瞬時電流計測チャンネル範囲指定（片方向）
瞬時電力計測値リスト（片方向）	瞬時電力計測チャンネル範囲指定（片方向）
積算電力量計測値リスト（双方向）	積算電力量計測チャンネル範囲指定（双方向）
瞬時電流計測値リスト（双方向）	瞬時電流計測チャンネル範囲指定（双方向）
瞬時電力計測値リスト（双方向）	瞬時電力計測チャンネル範囲指定（双方向）

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Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
masterRatedCapacity	GET	number	0xB0	主幹定格容量 Master rated capacity	
numberOfMeasurementChannelsSimplex	GET	number, string	0xB1	計測チャンネル数（片方向） Number of measurement channels (simplex)	
cumulativeElectricEnergyListSimplex	GET	object	0xB3	積算電力量計測値リスト（片方向） Measured cumulative amount of electric power consumption list (simplex)	*1
instantaneousCurrentListSimplex	GET	object	0xB5	瞬時電流計測値リスト（片方向） Measured instantaneous current list (simplex)	*1
instantaneousElectricPowerListSimplex	GET	object	0xB7	瞬時電力計測値リスト（片方向） Measured instantaneous power consumption list (simplex)	*1
numberOfMeasurementChannelsDuplex	GET	number, string	0xB8	計測チャンネル数（双方向） Number of measurement channels (duplex)	
cumulativeElectricEnergyListDuplex	GET	object	0xBA	積算電力量計測値リスト（双方向） Measured cumulative amount of electric power consumption list (duplex)	*1
instantaneousCurrentListDuplex	GET	object	0xBC	瞬時電流計測値リスト（双方向） Measured instantaneous current list (duplex)	*1

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
instantaneousElectricPowerListDuplex	GET	object	0xBE	瞬時電力計測値リスト（双方向） Measured instantaneous power consumption list (duplex)	*1
normalDirectionCumulativeElectricEnergy	GET	number, string	0xC0	積算電力量計測値（正方向） Measured cumulative amount of electric energy (normal direction)	
reverseDirectionCumulativeElectricEnergy	GET	number, string	0xC1	積算電力量計測値（逆方向） Measured cumulative amount of electric energy (reverse direction)	
normalDirectionCumulativeElectricEnergyLog	GET	object	0xC3	積算電力量計測値履歴（正方向） Historical data of measured cumulative amounts of electric energy (normal direction)	*1
reverseDirectionCumulativeElectricEnergyLog	GET	object	0xC4	積算電力量計測値履歴（逆方向） Historical data of measured cumulative amounts of electric energy (reverse direction)	*1
instantaneousElectricPower	GET	number, string	0xC6	瞬時電力計測値 Measured instantaneous amount of electric energy	
instantaneousCurrent	GET	object	0xC7	瞬時電流計測値 Measured instantaneous currents	
instantaneousVoltage	GET	object	0xC8	瞬時電圧計測値 Measured instantaneous voltages	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
measurementChannel1	GET	object	0xD0	計測チャンネル1 Measurement channel 1	
measurementChannel2	GET	object	0xD1	計測チャンネル2 Measurement channel 2	
measurementChannel3	GET	object	0xD2	計測チャンネル3 Measurement channel 3	
measurementChannel4	GET	object	0xD3	計測チャンネル4 Measurement channel 4	
measurementChannel5	GET	object	0xD4	計測チャンネル5 Measurement channel 5	
measurementChannel6	GET	object	0xD5	計測チャンネル6 Measurement channel 6	
measurementChannel7	GET	object	0xD6	計測チャンネル7 Measurement channel 7	
measurementChannel8	GET	object	0xD7	計測チャンネル8 Measurement channel 8	
measurementChannel9	GET	object	0xD8	計測チャンネル9 Measurement channel 9	
measurementChannel10	GET	object	0xD9	計測チャンネル10 Measurement channel 10	
measurementChannel11	GET	object	0xDA	計測チャンネル11 Measurement channel 11	
measurementChannel12	GET	object	0xDB	計測チャンネル12 Measurement channel 12	
measurementChannel13	GET	object	0xDC	計測チャンネル13 Measurement channel 13	
measurementChannel14	GET	object	0xDD	計測チャンネル14 Measurement channel 14	
measurementChannel15	GET	object	0xDE	計測チャンネル15 Measurement channel 15	
measurementChannel16	GET	object	0xDF	計測チャンネル16 Measurement channel 16	
measurementChannel17	GET	object	0xE0	計測チャンネル17 Measurement channel 17	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
measurementChannel18	GET	object	0xE1	計測チャンネル18 Measurement channel 18	
measurementChannel19	GET	object	0xE2	計測チャンネル19 Measurement channel 19	
measurementChannel20	GET	object	0xE3	計測チャンネル20 Measurement channel 20	
measurementChannel21	GET	object	0xE4	計測チャンネル21 Measurement channel 21	
measurementChannel22	GET	object	0xE5	計測チャンネル22 Measurement channel 22	
measurementChannel23	GET	object	0xE6	計測チャンネル23 Measurement channel 23	
measurementChannel24	GET	object	0xE7	計測チャンネル24 Measurement channel 24	
measurementChannel25	GET	object	0xE8	計測チャンネル25 Measurement channel 25	
measurementChannel26	GET	object	0xE9	計測チャンネル26 Measurement channel 26	
measurementChannel27	GET	object	0xEA	計測チャンネル27 Measurement channel 27	
measurementChannel28	GET	object	0xEB	計測チャンネル28 Measurement channel 28	
measurementChannel29	GET	object	0xEC	計測チャンネル29 Measurement channel 29	
measurementChannel30	GET	object	0xED	計測チャンネル30 Measurement channel 30	
measurementChannel31	GET	object	0xEE	計測チャンネル31 Measurement channel 31	
measurementChannel32	GET	object	0xEF	計測チャンネル32 Measurement channel 32	

*1 queryあり

Device Description

```
{
  "deviceType": "powerDistributionBoardMetering",
  "metaData": {
    "version": "1.4.0"
```


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```
    },
    "eoj": "0x0287",
    "descriptions": {
      "ja": "分電盤メータリング",
      "en": "Power distribution board metering"
    },
    "properties": {
      "masterRatedCapacity": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "主幹定格容量",
          "en": "Master rated capacity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "A",
          "minimum": 0,
          "maximum": 253
        }
      },
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      }
    }
  }
}
```


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低圧スマート電力量メータ:lvSmartElectricEnergyMeter:0x0288

List of Devicesに戻る

Note to Server:
以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に係数（EPC=0xD3）と積算電力量単位（EPC=0xE1）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。 また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、積算電力量有効桁数（EPC=0xD7）から求めた値に係数（EPC=0xD3）と積算電力量単位（EPC=0xE1）を乗算した値となる。multipleOfを付加する場合は、係数（EPC=0xD3）と積算電力量単位（EPC=0xE1）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 1分積算電力量計測値
- 積算電力量計測値（正方向計測値）
- 積算電力量計測値履歴1（正方向計測値）
- 積算電力量計測値（逆方向計測値）
- 積算電力量計測値履歴1（逆方向計測値）
- 定時積算電力量計測値（正方向計測値）
- 定時積算電力量計測値（逆方向計測値）
- 積算電力量計測値履歴2
- 積算電力量計測値履歴3

例：

```
積算電力量計測値（正方向計測値）（EPC=0xE0）: 0x00BC614E（12345678）
係数（EPC=0xD3）                              : 0x0000000A（10倍）
積算電力量単位（EPC=0xE1）                   : 0x03（0.001kWh）
積算電力量有効桁数（EPC=0xD7）               : 0x08（8桁＝最大計測値99999999）   の場合
    実際の積算電力量  12345678×10×0.001=123456.78[kWh]
    maximumの値       99999999×10×0.001=999999.99
    multipleOfの値    10×0.001=0.01
```

以下のECHONET LiteのPropertyは、ECHONET Liteでデータを GETする前に「積算履歴収集日1（EPC=0xE5)」をSETする必要がある。ECHONET Lite Web APIでは以下のPropertyをGET(REST)する際に「積算履歴収集日1」の値をQueryとして指定する。サーバはECHONET Liteで「積算履歴収集日1」をSETしたのち「積算電力量計測値履歴1」をGETする。なお、ECHONET Lite Web APIでqueryを付加しない場合は「積算履歴収集日1」=0として扱う。

- 積算電力量計測値履歴1（正方向計測値）
- 積算電力量計測値履歴1（逆方向計測値）

以下のECHONET LiteのPropertyは、ECHONET Liteでデータを GETする前に「積算履歴収集日2（EPC=0xED)」をSETする必要がある。ECHONET Lite Web APIでは以下のPropertyをGET(REST)する際に「積算履歴収集日2」の値をQueryとして指定する。サーバはECHONET Liteで「積算履歴収集日2」をSETしたのち「積算電力量計測値履歴2」をGETする。

- 積算電力量計測値履歴2（正方向、逆方向計測値）

以下のECHONET LiteのPropertyは、ECHONET Liteでデータを GETする前に「積算履歴収集日3（EPC=0xEF)」をSETする必要がある。ECHONET Lite Web APIでは以下のPropertyをGET(REST)する際に「積算履歴収集日3」の値をQueryとして指定する。サーバはECHONET Liteで「積算履歴収集日3」をSETしたのち「積算電力量計測値履歴3」をGETする。

- 積算電力量計測値履歴3（正方向、逆方向計測値）

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Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
routeBId	GET	string	0xC0	Bルート識別番号 Route B Identification number	
cumulativeElectricEnergyAtEveryMinute	GET	object	0xD0	1分積算電力量計測値（正方向、逆方向計測値） One-minute measured cumulative amounts of electric energy measured (normal and reverse directions)	
normalDirectionCumulativeElectricEnergy	GET	number, string	0xE0	積算電力量計測値（正方向計測値） Measured cumulative amount of electric energy (normal direction)	
normalDirectionCumulativeElectricEnergyLog1	GET	object	0xE2	積算電力量計測値履歴1（正方向計測値） Historical data of measured cumulative amounts of electric energy 1 (normal direction)	*1

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
reverseDirectionCumulativeElectricEnergy	GET	number, string	0xE3	積算電力量計測値（逆方向計測値） Measured cumulative amount of electric energy (reverse direction)	
reverseDirectionCumulativeElectricEnergyLog1	GET	object	0xE4	積算電力量計測値履歴1（逆方向計測値） Historical data of measured cumulative amounts of electric energy 1 (reverse direction)	*1
instantaneousElectricPower	GET	number, string	0xE7	瞬時電力計測値 Measured instantaneous electric power	
instantaneousCurrent	GET	object	0xE8	瞬時電流計測値 Measured instantaneous currents	
normalDirectionCumulativeElectricEnergyAtEvery30Min	GET	object	0xEA	定時積算電力量計測値（正方向計測値） Cumulative amounts of electric energy measured at fixed time (normal direction)	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
reverseDirectionCumulativeElectricEnergyAtEvery30Min	GET	object	0xEB	定時積算電力量計測値（逆方向計測値） Cumulative amounts of electric energy measured at fixed time (reverse direction)	
cumulativeElectricEnergyLog2	GET	object	0xEC	積算電力量計測値履歴2（正方向、逆方向計測値） Historical data of measured cumulative amounts of electric energy 2 (normal and reverse directions)	*1
cumulativeElectricEnergyLog3	GET	object	0xEE	積算電力量計測値履歴3（正方向、逆方向計測値） Historical data of measured cumulative amounts of electric energy 3 (normal and reverse directions)	*1

*1 queryあり

Device Description

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```
{
  "deviceType": "lvSmartElectricEnergyMeter",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x0288",
  "descriptions": {
    "ja": "低圧スマート電力量メータ",
    "en": "Low-voltage smart electric energy meter"
  },
  "properties": {
    "routeBId": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "Bルート識別番号",
        "en": "Route B Identification number"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string"
      },
      "note": {
        "ja": "日本国内では以下の値域である 1バイト目：0x00 2～4バイト目：メーカコード0x000000~0xFFFFFF 5
～16バイト目：自由領域",
        "en": "The following value ranges are available in Japan. 1st byte: 0x00 2nd-4th bytes:
Manufacturer code 0x000000-0xFFFFFF 5th-16th bytes: free area"
      }
    },
    "cumulativeElectricEnergyAtEveryMinute": {
      "epc": "0xD0",
      "descriptions": {
        "ja": "1分積算電力量計測値（正方向、逆方向計測値）",
        "en": "One-minute measured cumulative amounts of electric energy measured (normal and
reverse directions)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "dateAndTime": {
            "descriptions": {
              "ja": "計測日時",
              "en": "Date and time of measurement"
            },
            "type": "string",
            "format": "date-time"
          },
          "normalDirectionElectricEnergy": {
            "descriptions": {
              "ja": "積算電力量計測値(正方向)",
              "en": "Cumulative amounts of electric energy measured (normal direction)"
            },
            "oneOf": [
              {
                "type": "number",
                "unit": "kWh",
                "minimum": 0,
                "coefficient": [
                  "0xD3",
                  "0xE1"
                ]
              },
```


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```
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            },
            "reverseDirectionElectricEnergy": {
              "descriptions": {
                "ja": "積算電力量計測値(逆方向)",
                "en": "Cumulative amounts of electric energy measured (reverse direction)"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "coefficient": [
                    "0xD3",
                    "0xE1"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "EPC=0xD3, 0xE1の値を乗算済みの値",
          "en": "The value is multipled by the value of EPC=0xD3 and 0xE1."
        }
      },
      "normalDirectionCumulativeElectricEnergy": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "積算電力量計測値 (正方向計測値)",
          "en": "Measured cumulative amount of electric energy (normal direction)"
        },
        "writable": false,
```


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```
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "kWh",
            "minimum": 0,
            "coefficient": [
              "0xD3",
              "0xE1"
            ]
          },
          {
            "type": "string",
            "enum": [
              "noData"
            ],
            "values": [
              {
                "value": "noData",
                "descriptions": {
                  "ja": "未計測",
                  "en": "Not measured"
                },
                "edt": "0xFFFFFFFE"
              }
            ]
          }
        ]
      },
      "note": {
        "ja": "EPC=0xD3, 0xE1の値を乗算済みの値",
        "en": "The value is multipled by the value of EPC=0xD3 and 0xE1."
      }
    },
    "normalDirectionCumulativeElectricEnergyLog1": {
      "epc": "0xE2",
      "epcAtomic": "0xE5",
      "descriptions": {
        "ja": "積算電力量計測値履歴1 (正方向計測値)",
        "en": "Historical data of measured cumulative amounts of electric energy 1 (normal
direction)"
      },
      "writable": false,
      "observable": false,
      "urlParameters": {
        "day": {
          "descriptions": {
            "ja": "積算履歴収集日",
            "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
          },
          "schema": {
            "type": "number",
            "minimum": 0,
            "maximum": 99
          },
          "required": false
        }
      },
      "schema": {
        "type": "object",
        "properties": {
          "day": {
            "descriptions": {
```


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```
                "ja": "積算履歴収集日",
                "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
              },
              "oneOf": [
                {
                  "type": "number",
                  "minimum": 0,
                  "maximum": 99
                },
                {
                  "type": "string",
                  "enum": [
                    "defaultValue"
                  ],
                  "values": [
                    {
                      "value": "defaultValue",
                      "descriptions": {
                        "ja": "初期値",
                        "en": "Default value"
                      },
                      "edt": "0x00FF"
                    }
                  ]
                }
              ]
            },
            "electricEnergy": {
              "descriptions": {
                "ja": "積算電力量計測値",
                "en": "Measured cumulative amounts of electric energy"
              },
              "type": "array",
              "minItems": 48,
              "maxItems": 48,
              "items": {
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "kWh",
                    "minimum": 0,
                    "coefficient": [
                      "0xD3",
                      "0xE1"
                    ]
                  },
                  {
                    "type": "string",
                    "enum": [
                      "noData"
                    ],
                    "values": [
                      {
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              }
```


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```
            }
          }
        },
        "note": {
          "ja": "Queryは履歴収集日（省略時は0)。電力量はEPC=0xD3, 0xE1の値を乗算済みの値",
          "en": "Query is Day for collection (default value is 0). Electric power is multipled by
EPC=0xD3 and 0xE1."
        }
      },
      "reverseDirectionCumulativeElectricEnergy": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "積算電力量計測値（逆方向計測値)",
          "en": "Measured cumulative amount of electric energy (reverse direction)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "kWh",
              "minimum": 0,
              "coefficient": [
                "0xD3",
                "0xE1"
              ]
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0xFFFFFFFE"
                }
              ]
            }
          ]
        },
        "note": {
          "ja": "EPC=0xD3, 0xE1の値を乗算済みの値",
          "en": "The value is multipled by the value of EPC=0xD3 and 0xE1."
        }
      },
      "reverseDirectionCumulativeElectricEnergyLog1": {
        "epc": "0xE4",
        "epcAtomic": "0xE5",
        "descriptions": {
          "ja": "積算電力量計測値履歴1（逆方向計測値)",
          "en": "Historical data of measured cumulative amounts of electric energy 1 (reverse
direction)"
        },
        "writable": false,
        "observable": false,
        "urlParameters": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
```


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```
            "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
          },
          "schema": {
            "type": "number",
            "minimum": 0,
            "maximum": 99
          },
          "required": false
        }
      },
      "schema": {
        "type": "object",
        "properties": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
            "oneOf": [
              {
                "type": "number",
                "minimum": 0,
                "maximum": 99
              },
              {
                "type": "string",
                "enum": [
                  "defaultValue"
                ],
                "values": [
                  {
                    "value": "defaultValue",
                    "descriptions": {
                      "ja": "初期値",
                      "en": "Default value"
                    },
                    "edt": "0x00FF"
                  }
                ]
              }
            ]
          },
          "electricEnergy": {
            "descriptions": {
              "ja": "積算電力量計測値",
              "en": "Measured cumulative amounts of electric energy"
            },
            "type": "array",
            "minItems": 48,
            "maxItems": 48,
            "items": {
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "coefficient": [
                    "0xD3",
                    "0xE1"
                  ]
                },
                {
                  "type": "string",
```


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```
                    "enum": [
                      "noData"
                    ],
                    "values": [
                      {
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              }
            }
          }
        },
        "note": {
          "ja": "Queryは履歴収集日 (省略時は0)。電力量はEPC=0xD3, 0xE1の値を乗算済みの値",
          "en": "Query is Day for collection (default value is 0). Electric power is multipled by
EPC=0xD3 and 0xE1."
        }
      },
      "instantaneousElectricPower": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "瞬時電力計測値",
          "en": "Measured instantaneous electric power"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
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              "type": "number",
              "unit": "W",
              "minimum": -2147483647,
              "maximum": 2147483645
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0x7FFFFFFE"
                }
              ]
            }
          ]
        }
      },
      "instantaneousCurrent": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "瞬時電流計測値",
          "en": "Measured instantaneous currents"
```


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```
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "rPhase": {
              "descriptions": {
                "ja": "R相",
                "en": "R phase"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "A",
                  "minimum": -3276.7,
                  "maximum": 3276.5,
                  "multipleOf": 0.1
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0x7FFE"
                    }
                  ]
                }
              ]
            },
            "tPhase": {
              "descriptions": {
                "ja": "T相",
                "en": "T phase"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "A",
                  "minimum": -3276.7,
                  "maximum": 3276.5,
                  "multipleOf": 0.1
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0x7FFE"
                    }
                  ]
```


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```
                }
              ]
            }
          }
        }
      }
      "normalDirectionCumulativeElectricEnergyAtEvery30Min": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "定時積算電力量計測値 (正方向計測値)",
          "en": "Cumulative amounts of electric energy measured at fixed time (normal direction)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "electricEnergy": {
              "descriptions": {
                "ja": "積算電力量計測値",
                "en": "Cumulative amounts of electric energy measured"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "coefficient": [
                    "0xD3",
                    "0xE1"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "EPC=0xD3, 0xE1の値を乗算済みの値",
          "en": "The value is multipled by the value of EPC=0xD3 and 0xE1."
        }
      },
```


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```
    "reverseDirectionCumulativeElectricEnergyAtEvery30Min": {
      "epc": "0xEB",
      "descriptions": {
        "ja": "定時積算電力量計測値 (逆方向計測値)",
        "en": "Cumulative amounts of electric energy measured at fixed time (reverse direction)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "dateAndTime": {
            "descriptions": {
              "ja": "計測日時",
              "en": "Date and time of measurement"
            },
            "type": "string",
            "format": "date-time"
          },
          "electricEnergy": {
            "descriptions": {
              "ja": "積算電力量計測値",
              "en": "Cumulative amounts of electric energy measured"
            },
            "oneOf": [
              {
                "type": "number",
                "unit": "kWh",
                "minimum": 0,
                "coefficient": [
                  "0xD3",
                  "0xE1"
                ]
              },
              {
                "type": "string",
                "enum": [
                  "noData"
                ],
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0xFFFFFFFE"
                  }
                ]
              }
            ]
          }
        }
      },
      "note": {
        "ja": "EPC=0xD3, 0xE1の値を乗算済みの値",
        "en": "The value is multipled by the value of EPC=0xD3 and 0xE1."
      }
    },
    "cumulativeElectricEnergyLog2": {
      "epc": "0xEC",
      "epcAtomic": "0xED",
      "descriptions": {
        "ja": "積算電力量計測値履歴2 (正方向、逆方向計測値)",
        "en": "Historical data of measured cumulative amounts of electric energy 2 (normal and
```


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```
reverse directions)"
      },
      "writable": false,
      "observable": false,
      "urlParameters": {
        "dateAndTime": {
          "descriptions": {
            "ja": "積算履歴収集日時",
            "en": "Date and time for which the historical data is to be retrieved"
          },
          "schema": {
            "type": "string",
            "format": "date-time"
          },
          "required": true
        },
        "numberOfCollectionSegments": {
          "descriptions": {
            "ja": "収集コマ数",
            "en": "Number of collection segments"
          },
          "schema": {
            "type": "number",
            "minimum": 1,
            "maximum": 12
          },
          "required": true
        }
      },
      "schema": {
        "type": "object",
        "properties": {
          "dateAndTime": {
            "descriptions": {
              "ja": "積算履歴収集日時",
              "en": "Date and time for which the historical data is to be retrieved"
            },
            "type": "string",
            "format": "date-time"
          },
          "numberOfCollectionSegments": {
            "descriptions": {
              "ja": "収集コマ数",
              "en": "Number of collection segments"
            },
            "type": "number",
            "minimum": 1,
            "maximum": 12
          },
          "electricEnergy": {
            "descriptions": {
              "ja": "積算電力量計測値",
              "en": "Measured cumulative amounts of electric energy"
            },
            "type": "array",
            "maxItems": 12,
            "items": {
              "type": "object",
              "properties": {
                "normalDirectionElectricEnergy": {
                  "oneOf": [
                    {
                      "type": "number",
                      "unit": "kWh",
                      "minimum": 0,
```


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```
                        "coefficient": [
                          "0xD3",
                          "0xE1"
                        ]
                      },
                      {
                        "type": "string",
                        "enum": [
                          "noData"
                        ],
                        "values": [
                          {
                            "value": "noData",
                            "descriptions": {
                              "ja": "未計測",
                              "en": "Not measured"
                            },
                            "edt": "0xFFFFFFFE"
                          }
                        ]
                      }
                    ]
                  },
                  "reverseDirectionElectricEnergy": {
                    "oneOf": [
                      {
                        "type": "number",
                        "unit": "kWh",
                        "minimum": 0,
                        "coefficient": [
                          "0xD3",
                          "0xE1"
                        ]
                      },
                      {
                        "type": "string",
                        "enum": [
                          "noData"
                        ],
                        "values": [
                          {
                            "value": "noData",
                            "descriptions": {
                              "ja": "未計測",
                              "en": "Not measured"
                            },
                            "edt": "0xFFFFFFFE"
                          }
                        ]
                      }
                    ]
                  }
                }
              }
            }
          }
        },
        "note": {
          "ja": "Queryは日時と収集コマ数。秒の値は0、分の値は0または30。電力量はEPC=0xD3, 0xE1の値を乗算済みの値",
          "en": "Query is data&time and Number of collection segments. Value of seconds is 0 and value of minutes is 0 or 30. Electric energy is multipled by EPC=0xD3 and 0xE1."
        }
      },
      "cumulativeElectricEnergyLog3": {
```


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```
      "epc": "0xEE",
      "epcAtomic": "0xEF",
      "descriptions": {
        "ja": "積算電力量計測値履歴3（正方向、逆方向計測値）",
        "en": "Historical data of measured cumulative amounts of electric energy 3 (normal and
reverse directions)"
      },
      "writable": false,
      "observable": false,
      "urlParameters": {
        "dateAndTime": {
          "descriptions": {
            "ja": "積算履歴収集日時",
            "en": "Date and time for which the historical data is to be retrieved"
          },
          "schema": {
            "type": "string",
            "format": "date-time"
          },
          "required": true
        },
        "numberOfCollectionSegments": {
          "descriptions": {
            "ja": "収集コマ数",
            "en": "Number of collection segments"
          },
          "schema": {
            "type": "number",
            "minimum": 1,
            "maximum": 10
          },
          "required": true
        }
      },
      "schema": {
        "type": "object",
        "properties": {
          "dateAndTime": {
            "descriptions": {
              "ja": "積算履歴収集日時",
              "en": "Date and time for which the historical data is to be retrieved"
            },
            "type": "string",
            "format": "date-time"
          },
          "numberOfCollectionSegments": {
            "descriptions": {
              "ja": "収集コマ数",
              "en": "Number of collection segments"
            },
            "type": "number",
            "minimum": 1,
            "maximum": 10
          },
          "electricEnergy": {
            "descriptions": {
              "ja": "積算電力量計測値",
              "en": "Measured cumulative amounts of electric energy"
            },
            "type": "array",
            "maxItems": 10,
            "items": {
              "type": "object",
              "properties": {
                "normalDirectionElectricEnergy": {
```


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```
                "descriptions": {
                  "ja": "正方向",
                  "en": "Normal direction"
                },
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "kWh",
                    "minimum": 0,
                    "coefficient": [
                      "0xD3",
                      "0xE1"
                    ]
                  },
                  {
                    "type": "string",
                    "enum": [
                      "noData"
                    ],
                    "values": [
                      {
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              },
              "reverseDirectionElectricEnergy": {
                "descriptions": {
                  "ja": "逆方向",
                  "en": "Reverse direction"
                },
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "kWh",
                    "minimum": 0,
                    "coefficient": [
                      "0xD3",
                      "0xE1"
                    ]
                  },
                  {
                    "type": "string",
                    "enum": [
                      "noData"
                    ],
                    "values": [
                      {
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              }
```


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```
                }
              }
            }
          }
        },
        "note": {
          "ja": "Queryは日時と収集コマ数。秒の値は0。電力量はEPC=0xD3, 0xE1の値を乗算済みの値",
          "en": "Query is data&time and Number of collection segments. Value of seconds is 0. Electric
energy is multipled by EPC=0xD3 and 0xE1."
        }
      }
    }
  }
```


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高圧スマート電力量メータ:hvSmartElectricEnergyMeter:0x028A

List of Devicesに戻る

Note to Server:
以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と積算有効電力量単位（EPC=0xE6）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、積算有効電力量有効桁数（EPC=0xE5）から求めた値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と積算有効電力量単位（EPC=0xE6）を乗算した値となる。multipleOfを付加する場合は、係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と積算有効電力量単位（EPC=0xE6）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 積算有効電力量計測値
- 定時積算有効電力量計測値
- 力測積算有効電力量計測値
- 積算有効電力量計測値履歴

例：

```
積算有効電力量計測値（EPC=0xE2）     : 0x00BC614E（12345678）
係数（EPC=0xD3）                     : 0x00000001（1倍）
係数の倍率（EPC=0xD4）               : 0x00（1倍）
積算有効電力量単位（EPC=0xE6）       : 0x01（0.1kWh）
積算有効電力量有効桁数（EPC=0xE5）   : 0x08（8桁＝最大計測値99999999）   の場合
    実際の積算有効電力量  12345678×1×1×0.1=1234567.8[kWh]
    maximumの値           99999999×1×1×0.1=9999999.9
    multipleOfの値        1×1×0.1=0.1
```

以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と需要電力単位（EPC=0xC5）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、需要電力有効桁数（EPC=0xC4）から求めた値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と需要電力単位（EPC=0xC5）を乗算した値となる。multipleOfを付加する場合は、係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と需要電力単位（EPC=0xC5）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 月間最大需要電力
- 定時需要電力（30分平均電力）
- 需要電力計測値履歴

例：

```
月間最大需要電力（EPC=0xC1）   : 0x00BC614E（12345678）
係数（EPC=0xD3）               : 0x00000001（1倍）
係数の倍率（EPC=0xD4）         : 0x00（1倍）
需要電力単位（EPC=0xC5）       : 0x01（0.1kW）
需要電力有効桁数（EPC=0xC4）   : 0x08（8桁＝最大計測値99999999）   の場合
    実際の月間最大需要電力  12345678×1×1×0.1=1234567.8[kW]
```


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```
    maximumの値             99999999×1×1×0.1=9999999.9
    multipleOfの値          1×1×0.1=0.1
```

以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と累積最大需要電力単位（EPC=0xC7）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、需要電力有効桁数（EPC=0xC4）から求めた値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と累積最大需要電力単位（EPC=0xC7）を乗算した値となる。multipleOfを付加する場合は、係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と累積最大需要電力単位（EPC=0xC7）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 累積最大需要電力

例：

```
累積最大需要電力（EPC=0xC2）       : 0x00BC614E（12345678）
係数（EPC=0xD3）                   : 0x00000001（1倍）
係数の倍率（EPC=0xD4）             : 0x00（1倍）
累積最大需要電力単位（EPC=0xC7）   : 0x01（0.1kW）
需要電力有効桁数（EPC=0xC4）       : 0x08（8桁＝最大計測値99999999）   の場合
    実際の累積最大需要電力  12345678×1×1×0.1=1234567.8[kW]
    maximumの値             99999999×1×1×0.1=9999999.9
    multipleOfの値          1×1×0.1=0.1
```

以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と力測積算無効電力量(遅れ)単位（EPC=0xCD）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、力測積算無効電力量(遅れ)有効桁数（EPC=0xCC）から求めた値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と力測積算無効電力量(遅れ)単位（EPC=0xCD）を乗算した値となる。multipleOfを付加する場合は、係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と力測積算無効電力量(遅れ)単位（EPC=0xCD）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 力測積算無効電力量(遅れ)計測値
- 定時力測積算無効電力量(遅れ)計測値
- 力測積算無効電力量(遅れ)計測値履歴

例：

```
力測積算無効電力量(遅れ)計測値（EPC=0xCA）   : 0x00BC614E（12345678）
係数（EPC=0xD3）                              : 0x00000001（1倍）
係数の倍率（EPC=0xD4）                        : 0x00（1倍）
力測積算無効電力量(遅れ)単位（EPC=0xCD）     : 0x01（0.1kvarh）
力測積算無効電力量(遅れ)有効桁数（EPC=0xCC）: 0x08（8桁＝最大計測値99999999）   の場合
    実際の力測積算無効電力量  12345678×1×1×0.1=1234567.8[kvarh]
    maximumの値               99999999×1×1×0.1=9999999.9
    multipleOfの値            1×1×0.1=0.1
```

以下のECHONET LiteのPropertyは、ECHONET Liteでデータを GETする前に「積算履歴収集日（EPC=0xE1）」をSETする必要がある。ECHONET Lite Web APIでは以下のPropertyをGET(REST)する際に「積算履歴収集日」の値をqueryとして指定する。サーバはECHONET

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Liteで「積算履歴収集日」をSETしたのち「需要電力計測値履歴」または「積算有効電力量計測値履歴」をGETする。なお、ECHONET Lite Web APIでqueryを付加しない場合は「積算履歴収集日」=0として扱う。

- 需要電力計測値履歴
- 力測積算無効電力量(遅れ)計測値履歴
- 積算有効電力量計測値履歴

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
monthlyMaximumElectricPowerDemand	GET	number, string	0xC1	月間最大需要電力 Monthly maximum electric power demand	
cumulativeMaximumElectricPowerDemand	GET	number	0xC2	累積最大需要電力 Cumulative maximum electric power demand	
averageElectricPowerDemand	GET	object	0xC3	定時需要電力（30分平均電力） Electric power demand at fixed time (30-minute average electric power)	
electricPowerDemandLog	GET	object	0xC6	需要電力計測値履歴 Historical data of measured electric power demand	*1
cumulativeReactiveElectricEnergy	GET	object	0xCA	力測積算無効電力量（遅れ)計測値 Measurement data of reactive electric power consumption (lag) for power factor measurement	
cumulativeReactiveElectricEnergyAtEvery30Min	GET	object	0xCB	定時力測積算無効電力量(遅れ)計測値 Measurement data of cumulative amount of reactive electric power consumption (lag) at fixed time for power factor measurement	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeReactiveElectricEnergyLog	GET	object	0xCE	力測積算無効電力量（遅れ)計測値履歴 Historical data of measurement data of cumulative amount of reactive electric power consumption (lag) for power factor measurement	*1
fixedDate	GET	number	0xE0	確定日 Fixed date	
cumulativeActiveElectricEnergy	GET	object	0xE2	積算有効電力量計測値 Measured cumulative amounts of active electric energy	
cumulativeActiveElectricEnergyAtEvery30Min	GET	object	0xE3	定時積算有効電力量計測値 Cumulative amounts of active electric energy at fixed time	
cumulativeActiveElectricEnergyForPowerFactor	GET	object	0xE4	力測積算有効電力量計測値 Measurement data of cumulative amounts of active electric energy for power factor measurement	
activeElectricEnergyLog	GET	object	0xE7	積算有効電力量計測値履歴 Historical data of measured cumulative amount of active electric energy	*1

*1 queryあり

Device Description

```
{
  "deviceType": "hvSmartElectricEnergyMeter",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x028A",
```


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```
    "descriptions": {
      "ja": "高圧スマート電力量メータ",
      "en": "High-voltage smart electric energy meter"
    },
    "properties": {
      "monthlyMaximumElectricPowerDemand": {
        "epc": "0xC1",
        "descriptions": {
          "ja": "月間最大需要電力",
          "en": "Monthly maximum electric power demand"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "kW",
              "minimum": 0
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0xFFFFFFFE"
                }
              ]
            }
          ]
        },
        "note": {
          "ja": "EPC=0xC5, 0xD3, 0xD4 の値を乗算済みの値",
          "en": "The value is multipled by the value of EPC=0xC5, 0xD3 and 0xD4."
        }
      },
      "cumulativeMaximumElectricPowerDemand": {
        "epc": "0xC2",
        "descriptions": {
          "ja": "累積最大需要電力",
          "en": "Cumulative maximum electric power demand"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kW",
          "minimum": 0
        },
        "note": {
          "ja": "EPC=0xC7, 0xD3, 0xD4 の値を乗算済みの値",
          "en": "The value is multipled by the value of EPC=0xC7, 0xD3 and 0xD4."
        }
      },
      "averageElectricPowerDemand": {
        "epc": "0xC3",
        "descriptions": {
          "ja": "定時需要電力 (30分平均電力)",
```


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```
          "en": "Electric power demand at fixed time (30-minute average electric power)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "electricPower": {
              "descriptions": {
                "ja": "需要電力",
                "en": "Electric Power demand"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kW",
                  "minimum": 0
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "EPC=0xC5, 0xD3, 0xD4 の値を乗算済みの値",
          "en": "The value is multipled by the value of EPC=0xC5, 0xD3 and 0xD4."
        }
      },
      "electricPowerDemandLog": {
        "epc": "0xC6",
        "epcAtomic": "0xE1",
        "descriptions": {
          "ja": "需要電力計測値履歴",
          "en": "Historical data of measured electric power demand"
        },
        "writable": false,
        "observable": false,
        "urlParameters": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day for which the historical data of measured cumulative amounts of electric
```


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```
energy is to be retrieved"
          },
          "schema": {
            "type": "number",
            "minimum": 0,
            "maximum": 99
          },
          "required": false
        }
      },
      "schema": {
        "type": "object",
        "properties": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
            "oneOf": [
              {
                "type": "number",
                "minimum": 0,
                "maximum": 99
              },
              {
                "type": "string",
                "enum": [
                  "defaultValue"
                ],
                "values": [
                  {
                    "value": "defaultValue",
                    "descriptions": {
                      "ja": "初期値",
                      "en": "Default value"
                    },
                    "edt": "0x00FF"
                  }
                ]
              }
            ]
          },
          "electricPower": {
            "descriptions": {
              "ja": "需要電力",
              "en": "Electric power demand"
            },
            "type": "array",
            "minItems": 48,
            "maxItems": 48,
            "items": {
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kW",
                  "minimum": 0
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
```


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```
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              }
            }
          }
        },
        "note": {
          "ja": "Queryは履歴収集日 (省略時は0)。電力はEPC=0xC5, 0xD3, 0xD4 の値を乗算済みの値",
          "en": "Query is Day for collection (default value is 0). Electric power is multipled by the
value of EPC=0xC5, 0xD3 and 0xD4."
        }
      },
      "cumulativeReactiveElectricEnergy": {
        "epc": "0xCA",
        "descriptions": {
          "ja": "力測積算無効電力量 (遅れ)計測値",
          "en": "Measurement data of reactive electric power consumption (lag) for power factor
measurement"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "reactiveElectricEnergy": {
              "descriptions": {
                "ja": "積算無効電力量 (遅れ)",
                "en": "Cumulative amount of reactive electric power consumption (lag)"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kvarh",
                  "minimum": 0,
                  "coefficient": [
                    "0xCD",
                    "0xD3",
                    "0xD4"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
```


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```
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        }
      },
      "note": {
        "ja": "EPC=0xCD, 0xD3, 0xD4 の値を乗算済みの値",
        "en": "The value is multipled by the value of EPC=0xCD, 0xD3 and 0xD4."
      }
    },
    "cumulativeReactiveElectricEnergyAtEvery30Min": {
      "epc": "0xCB",
      "descriptions": {
        "ja": "定時力測積算無効電力量 (遅れ)計測値",
        "en": "Measurement data of cumulative amount of reactive electric power consumption (lag) at
fixed time for power factor measurement"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "dateAndTime": {
            "descriptions": {
              "ja": "計測日時",
              "en": "Date and time of measurement"
            },
            "type": "string",
            "format": "date-time"
          },
          "reactiveElectricEnergy": {
            "descriptions": {
              "ja": "積算無効電力量 (遅れ)",
              "en": "Cumulative amount of reactive electric power consumption (lag)"
            },
            "oneOf": [
              {
                "type": "number",
                "unit": "kvarh",
                "minimum": 0,
                "coefficient": [
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                  "0xD3",
                  "0xD4"
                ]
              },
              {
                "type": "string",
                "enum": [
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                ],
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0xFFFFFFFE"
```


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```
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "EPC=0xCD, 0xD3, 0xD4 の値を乗算済みの値",
          "en": "The value is multipled by the value of EPC=0xCD, 0xD3 and 0xD4."
        }
      },
      "cumulativeReactiveElectricEnergyLog": {
        "epc": "0xCE",
        "epcAtomic": "0xE1",
        "descriptions": {
          "ja": "力測積算無効電力量 (遅れ)計測値履歴",
          "en": "Historical data of measurement data of cumulative amount of reactive electric power
consumption (lag) for power factor measurement"
        },
        "writable": false,
        "observable": false,
        "urlParameters": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
            "schema": {
              "type": "number",
              "minimum": 0,
              "maximum": 99
            },
            "required": false
          }
        },
        "schema": {
          "type": "object",
          "properties": {
            "day": {
              "descriptions": {
                "ja": "積算履歴収集日",
                "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
              },
              "oneOf": [
                {
                  "type": "number",
                  "minimum": 0,
                  "maximum": 99
                },
                {
                  "type": "string",
                  "enum": [
                    "defaultValue"
                  ],
                  "values": [
                    {
                      "value": "defaultValue",
                      "descriptions": {
                        "ja": "初期値",
                        "en": "Default value"
                      },
                      "edt": "0x00FF"
```


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```
                    }
                  ]
                }
              ]
            },
            "reactiveElectricEnergy": {
              "descriptions": {
                "ja": "積算無効電力量 (遅れ)",
                "en": "Measurement data of cumulative amount of reactive electric power consumption
(lag)"
              },
              "type": "array",
              "minItems": 48,
              "maxItems": 48,
              "items": {
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "kvarh",
                    "minimum": 0,
                    "coefficient": [
                      "0xCD",
                      "0xD3",
                      "0xD4"
                    ]
                  },
                  {
                    "type": "string",
                    "enum": [
                      "noData"
                    ],
                    "values": [
                      {
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              }
            }
          }
        },
        "note": {
          "ja": "Queryは履歴収集日 (省略時は0)。電力量はEPC=0xCD, 0xD3, 0xD4 の値を乗算済みの値",
          "en": "Query is Day for collection (default value is 0). Electric power is multipled by the
value of EPC=0xCD, 0xD3 and 0xD4."
        }
      },
      "fixedDate": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "確定日",
          "en": "Fixed date"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 31
```


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```
        }
      },
      "cumulativeActiveElectricEnergy": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "積算有効電力量計測値",
          "en": "Measured cumulative amounts of active electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "activeElectricEnergy": {
              "descriptions": {
                "ja": "積算有効電力量",
                "en": "Cumulative amount of active electric energy"
              },
              "oneOf": [
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                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
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                    "0xD4",
                    "0xE6"
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                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "EPC=0xD3, 0xD4, 0xE6の値を乗算した値である",
          "en": "This value is multipled by the value of EPC=0xD3, 0xD4 and 0xE6."
        }
      },
      "cumulativeActiveElectricEnergyAtEvery30Min": {
        "epc": "0xE3",
        "descriptions": {
```


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```
          "ja": "定時積算有効電力量計測値",
          "en": "Cumulative amounts of active electric energy at fixed time"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "activeElectricEnergy": {
              "descriptions": {
                "ja": "積算有効電力量",
                "en": "Cumulative amount of active electric energy"
              },
              "oneOf": [
                {
                  "type": "number",
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                    "0xE6"
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                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "EPC=0xD3, 0xD4, 0xE6の値を乗算した値である",
          "en": "This value is the result of multiplying the value of EPC=0xD3, 0xD4 and 0xE6."
        }
      },
      "cumulativeActiveElectricEnergyForPowerFactor": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "力測積算有効電力量計測値",
          "en": "Measurement data of cumulative amounts of active electric energy for power factor
measurement"
        },
        "writable": false,
```


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```
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "activeElectricEnergy": {
              "descriptions": {
                "ja": "積算有効電力量",
                "en": "Cumulative amount of active electric energy"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "coefficient": [
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                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "EPC=0xD3, 0xD4, 0xE6の値を乗算した値である",
          "en": "This value is the result of multiplying the value of EPC=0xD3, 0xD4 and 0xE6."
        }
      },
      "activeElectricEnergyLog": {
        "epc": "0xE7",
        "epcAtomic": "0xE1",
        "descriptions": {
          "ja": "積算有効電力量計測値履歴",
          "en": "Historical data of measured cumulative amount of active electric energy"
        },
        "writable": false,
        "observable": false,
        "urlParameters": {
          "day": {
            "descriptions": {
```


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```
              "ja": "積算履歴収集日",
              "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
            "schema": {
              "type": "number",
              "minimum": 0,
              "maximum": 99
            },
            "required": false
          }
        },
        "schema": {
          "type": "object",
          "properties": {
            "day": {
              "descriptions": {
                "ja": "積算履歴収集日",
                "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
              },
              "oneOf": [
                {
                  "type": "number",
                  "minimum": 0,
                  "maximum": 99
                },
                {
                  "type": "string",
                  "enum": [
                    "defaultValue"
                  ],
                  "values": [
                    {
                      "value": "defaultValue",
                      "descriptions": {
                        "ja": "初期値",
                        "en": "Default value"
                      },
                      "edt": "0x00FF"
                    }
                  ]
                }
              ]
            },
            "activeElectricEnergy": {
              "descriptions": {
                "ja": "積算有効電力量",
                "en": "Measured cumulative amount of active electric energy"
              },
              "type": "array",
              "minItems": 48,
              "maxItems": 48,
              "items": {
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "kWh",
                    "minimum": 0,
                    "coefficient": [
                      "0xD3",
                      "0xD4",
                      "0xE6"
                    ]
                  },
```


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```
                  {
                    "type": "string",
                    "enum": [
                      "noData"
                    ],
                    "values": [
                      {
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              }
            }
          }
        }
      },
      "note": {
        "ja": "Queryは履歴収集日 (省略時は0)。電力量はEPC=0xD3, 0xD4, 0xE6 の値を乗算済みの値",
        "en": "Query is Day for collection (default value is 0). Electric power is multipled by the
value of EPC=0xD3, 0xD4 and 0xE6."
      }
    }
  }
}
```


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スマート電力量サブメータ:smartElectricEnergySubMeter:0x028D

List of Devicesに戻る

Note to Server:
以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に電力係数（EPC=0xD3）と積算電力量単位(正方向,逆方向計測値)（EPC=0xD4）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、積算電力量有効桁数（EPC=0xD7）から求めた値に電力係数（EPC=0xD3）と積算電力量単位(正方向,逆方向計測値)（EPC=0xD4）を乗算した値となる。multipleOfを付加する場合は、電力係数（EPC=0xD3）と積算電力量単位(正方向,逆方向計測値)（EPC=0xD4）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 積算電力量計測値（正方向計測値）
- 積算電力量計測値履歴（正方向計測値）
- 積算電力量計測値（逆方向計測値）
- 積算電力量計測値履歴（逆方向計測値）
- 定時積算電力量計測値（正方向計測値）
- 定時積算電力量計測値（逆方向計測値）

例：

```
積算電力量計測値（正方向計測値）（EPC=0xE1）      : 0x0012D687（1234567）
電力係数（EPC=0xD3）                              : 0x000012C0（4800倍）
積算電力量単位(正方向,逆方向計測値)（EPC=0xD4）   : 0x03（0.001kWh）
積算電力量有効桁数（EPC=0xD7）                     : 0x07（7桁＝最大計測値9999999）   の場合
    実際の積算有効電力量  1234567×4800×0.001=5925921.6[kWh]
    maximumの値           9999999×4800×0.001=47999995.2
    multipleOfの値        4800×0.001=4.8
```

以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に電力係数（EPC=0xD3）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにminimumやmaximumやmultipleOfを付加してもよい。minimumを付加する場合は、-2147483647と電力係数（EPC=0xD3）を乗算した値となる。maximumを付加する場合は、2147483645と電力係数（EPC=0xD3）を乗算した値となる。multipleOfを付加する場合は、電力係数（EPC=0xD3）の値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 瞬時電力計測値

例：

```
瞬時電力計測値（EPC=0xE7）   : 0x0012D687（1234567）
電力係数（EPC=0xD3）         : 0x0000000A（10倍）   の場合
    実際の瞬時電力  1234567×1×10=12345670[W]
    minimumの値     -2147483647×10=-21474836470
    maximumの値     2147483645×10=21474836450
    multipleOfの値  10
```

以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に単位の0.1Aと電流係数（EPC=0xD8）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。

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また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにminimumやmaximumやmultipleOfを付加してもよい。minimumを付加する場合は、-3276.7と電流係数（EPC=0xD8）を乗算した値となる。maximumを付加する場合は、3276.5と電流係数（EPC=0xD8）を乗算した値となる。multipleOfを付加する場合は、0.1と電流係数（EPC=0xD8）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 瞬時電流計測値

例：

```
瞬時電流計測値（EPC=0xE8）   : 0x04D2（1234）
電流係数（EPC=0xD8）         : 0x0005（5倍）   の場合
    実際の瞬時電流  1234×0.1×5=617[A]
    minimumの値     -3276.7×5=-16383.5
    maximumの値     3276.5×5=16382.5
    multipleOfの値  0.1×5=0.5
```

以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に単位の0.1Vと電圧係数（EPC=0xD9）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、6553.3と電圧係数（EPC=0xD9）を乗算した値となる。multipleOfを付加する場合は、0.1と電圧係数（EPC=0xD9）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 瞬時電圧計測値

例：

```
瞬時電圧計測値（EPC=0xE9）   : 0x04D2（1234）
電圧係数（EPC=0xD9）         : 0x0005（5倍）   の場合
    実際の瞬時電圧  1234×0.1×5=617[A]
    maximumの値     6553.3×5=32766.5
    multipleOfの値  0.1×5=0.5
```

以下のECHONET LiteのPropertyは、ECHONET Liteでデータを GETする前に「積算履歴収集日（EPC=0xE0）」をSETする必要がある。ECHONET Lite Web APIでは以下のPropertyをGET(REST)する際に「積算履歴収集日」の値をqueryとして指定する。サーバはECHONET Liteで「積算履歴収集日」をSETしたのち「積算電力量計測値履歴」をGETする。なお、ECHONET Lite Web APIでqueryを付加しない場合は「積算履歴収集日」=0として扱う。

- 積算電力量計測値履歴（正方向計測値）
- 積算電力量計測値履歴（逆方向計測値）

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
normalDirectionCumulativeElectricEnergy	GET	number, string	0xE1	積算電力量計測値（正方向計測値）Measured cumulative amount of electric energy(normal direction)	
normalDirectionCumulativeElectricEnergyLog	GET	object	0xE2	積算電力量計測値履歴（正方向計測値）Historical data of measured cumulative amounts of electric energy (normal direction)	*1
reverseDirectionCumulativeElectricEnergy	GET	number, string	0xE3	積算電力量計測値（逆方向計測値）Measured cumulative amount of electric energy (reverse direction)	
reverseDirectionCumulativeElectricEnergyLog	GET	object	0xE4	積算電力量計測値履歴（逆方向計測値）Historical data of measured cumulative amounts of electric energy (reverse direction)	*1

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
instantaneousElectricPower	GET	number, string	0xE7	瞬時電力計測値 Measured instantaneous electric power	
instantaneousCurrent	GET	object	0xE8	瞬時電流計測値 Measured instantaneous currents	
instantaneousVoltage	GET	object	0xE9	瞬時電圧計測値 Measured instantaneous voltages	
normalDirectionCumulativeElectricEnergyAtEvery30Min	GET	object	0xEA	定時積算電力量計測値（正方向計測値） Cumulative amounts of electric energy measured at fixed time(normal direction)	
reverseDirectionCumulativeElectricEnergyAtEvery30Min	GET	object	0xEB	定時積算電力量計測値（逆方向計測値） Cumulative amounts of electric energy measured at fixed time(reverse direction)	

*1 queryあり

Device Description

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```
{
  "deviceType": "smartElectricEnergySubMeter",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x028D",
  "descriptions": {
    "ja": "スマート電力量サブメータ",
    "en": "Smart electric energy meter for sub-metering"
  },
  "properties": {
    "normalDirectionCumulativeElectricEnergy": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "積算電力量計測値（正方向計測値）",
        "en": "Measured cumulative amount of electric energy(normal direction)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "kWh",
            "minimum": 0,
            "coefficient": [
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              "0xD4"
            ]
          },
          {
            "type": "string",
            "enum": [
              "noData"
            ],
            "values": [
              {
                "value": "noData",
                "descriptions": {
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                  "en": "Not measured"
                },
                "edt": "0xFFFFFFFE"
              }
            ]
          }
        ]
      },
      "note": {
        "ja": "値は0xD3と0xD4の値を乗算した値。",
        "en": "This value is already multiplied with 0xD3 and 0xD4."
      }
    },
    "normalDirectionCumulativeElectricEnergyLog": {
      "epc": "0xE2",
      "epcAtomic": "0xE0",
      "descriptions": {
        "ja": "積算電力量計測値履歴（正方向計測値）",
        "en": "Historical data of measured cumulative amounts of electric energy (normal direction)"
      },
      "writable": false,
      "observable": false,
      "urlParameters": {
        "day": {
```


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```
          "descriptions": {
            "ja": "積算履歴収集日",
            "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
          },
          "schema": {
            "type": "number",
            "minimum": 0,
            "maximum": 99
          },
          "required": false
        }
      },
      "schema": {
        "type": "object",
        "properties": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
            "oneOf": [
              {
                "type": "number",
                "minimum": 0,
                "maximum": 99
              },
              {
                "type": "string",
                "enum": [
                  "defaultValue"
                ],
                "values": [
                  {
                    "value": "defaultValue",
                    "descriptions": {
                      "ja": "初期値",
                      "en": "Default value"
                    },
                    "edt": "0x00FF"
                  }
                ]
              }
            ]
          },
          "electricEnergy": {
            "descriptions": {
              "ja": "積算電力量計測値",
              "en": "Measured cumulative amounts of electric energy"
            },
            "type": "array",
            "minItems": 48,
            "maxItems": 48,
            "items": {
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "coefficient": [
                    "0xD3",
                    "0xD4"
                  ]
                },
```


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```
                  {
                    "type": "string",
                    "enum": [
                      "noData"
                    ],
                    "values": [
                      {
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              }
            }
          }
        }
      },
      "note": {
        "ja": "積算履歴収集日(EPC:0xE0)をqueryで設定する。値は0xD3と0xD4の値を乗算した値。",
        "en": "Day for the log(EPC:0xE0) should be set as a query. The value is already multiplied
with 0xD3 and 0xD4."
      }
    },
    "reverseDirectionCumulativeElectricEnergy": {
      "epc": "0xE3",
      "descriptions": {
        "ja": "積算電力量計測値（逆方向計測値）",
        "en": "Measured cumulative amount of electric energy (reverse direction)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "unit": "kWh",
            "minimum": 0,
            "coefficient": [
              "0xD3",
              "0xD4"
            ]
          },
          {
            "type": "string",
            "enum": [
              "noData"
            ],
            "values": [
              {
                "value": "noData",
                "descriptions": {
                  "ja": "未計測",
                  "en": "Not measured"
                },
                "edt": "0xFFFFFFFE"
              }
            ]
          }
        ]
      },
      "note": {
```


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```
          "ja": "値は0xD3と0xD4の値を乗算した値。",
          "en": "This value is already multiplied with 0xD3 and 0xD4."
        }
      },
      "reverseDirectionCumulativeElectricEnergyLog": {
        "epc": "0xE4",
        "epcAtomic": "0xE0",
        "descriptions": {
          "ja": "積算電力量計測値履歴（逆方向計測値）",
          "en": "Historical data of measured cumulative amounts of electric energy (reverse
direction)"
        },
        "writable": false,
        "observable": false,
        "urlParameters": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
            "schema": {
              "type": "number",
              "minimum": 0,
              "maximum": 99
            },
            "required": false
          }
        },
        "schema": {
          "type": "object",
          "properties": {
            "day": {
              "descriptions": {
                "ja": "積算履歴収集日",
                "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
              },
              "oneOf": [
                {
                  "type": "number",
                  "minimum": 0,
                  "maximum": 99
                },
                {
                  "type": "string",
                  "enum": [
                    "defaultValue"
                  ],
                  "values": [
                    {
                      "value": "defaultValue",
                      "descriptions": {
                        "ja": "初期値",
                        "en": "Default value"
                      },
                      "edt": "0x00FF"
                    }
                  ]
                }
              ]
            },
            "electricEnergy": {
              "descriptions": {
                "ja": "積算電力量計測値",
```


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```
                "en": "Measured cumulative amounts of electric energy"
              },
              "type": "array",
              "minItems": 48,
              "maxItems": 48,
              "items": {
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "kWh",
                    "minimum": 0,
                    "coefficient": [
                      "0xD3",
                      "0xD4"
                    ]
                  },
                  {
                    "type": "string",
                    "enum": [
                      "noData"
                    ],
                    "values": [
                      {
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              }
            }
          }
        },
        "note": {
          "ja": "積算履歴収集日(EPC:0xE0)をqueryで設定する。値は0xD3と0xD4の値を乗算した値。",
          "en": "Day for the log(EPC:0xE0) should be set as a query. The value is already multiplied
with 0xD3 and 0xD4."
        }
      },
      "instantaneousElectricPower": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "瞬時電力計測値",
          "en": "Measured instantaneous electric power"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "W"
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
```


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```
                "descriptions": {
                  "ja": "未計測",
                  "en": "Not measured"
                },
                "edt": "0x7FFFFFFE"
              }
            ]
          }
        ]
      }
    },
    "instantaneousCurrent": {
      "epc": "0xE8",
      "descriptions": {
        "ja": "瞬時電流計測値",
        "en": "Measured instantaneous currents"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "rPhase": {
            "descriptions": {
              "ja": "R 相",
              "en": "R Phase"
            },
            "oneOf": [
              {
                "type": "number",
                "unit": "A"
              },
              {
                "type": "string",
                "enum": [
                  "noData"
                ],
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0x7FFE"
                  }
                ]
              }
            ]
          },
          "tPhase": {
            "descriptions": {
              "ja": "T 相",
              "en": "T Phase"
            },
            "oneOf": [
              {
                "type": "number",
                "unit": "A"
              },
              {
                "type": "string",
                "enum": [
                  "noData"
                ],
```


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```
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0x7FFE"
                  }
                ]
              }
            ]
          }
        }
      },
      "note": {
        "ja": "値は0xD8の値を乗算した値。",
        "en": "The value is already multiplied with 0xD8."
      }
    },
    "instantaneousVoltage": {
      "epc": "0xE9",
      "descriptions": {
        "ja": "瞬時電圧計測値",
        "en": "Measured instantaneous voltages"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "rS": {
            "descriptions": {
              "ja": "R-S(N)間",
              "en": "Between R and S(N)"
            },
            "oneOf": [
              {
                "type": "number",
                "unit": "V",
                "minimum": 0
              },
              {
                "type": "string",
                "enum": [
                  "noData"
                ],
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0xFFFE"
                  }
                ]
              }
            ]
          },
          "sT": {
            "descriptions": {
              "ja": "S(N)-T間",
              "en": "Between S(N) and T"
            },
```


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```
            "oneOf": [
              {
                "type": "number",
                "unit": "V",
                "minimum": 0
              },
              {
                "type": "string",
                "enum": [
                  "noData"
                ],
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0xFFFE"
                  }
                ]
              }
            ]
          }
        }
      },
      "note": {
        "ja": "値は0xD9の値を乗算した値。",
        "en": "The value is already multiplied with 0xD9."
      }
    },
    "normalDirectionCumulativeElectricEnergyAtEvery30Min": {
      "epc": "0xEA",
      "descriptions": {
        "ja": "定時積算電力量計測値（正方向計測値）",
        "en": "Cumulative amounts of electric energy measured at fixed time(normal direction)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "dateAndTime": {
            "descriptions": {
              "ja": "計測日時",
              "en": "Date and time of measurement"
            },
            "type": "string",
            "format": "date-time"
          },
          "electricEnergy": {
            "descriptions": {
              "ja": "積算電力量計測値",
              "en": "Cumulative amounts of electric energy measured"
            },
            "oneOf": [
              {
                "type": "number",
                "unit": "kWh",
                "minimum": 0,
                "coefficient": [
                  "0xD3",
                  "0xD4"
                ]
              },
```


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```
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "値は0xD3と0xD4の値を乗算した値。",
          "en": "This value is already multiplied with 0xD3 and 0xD4."
        }
      },
      "reverseDirectionCumulativeElectricEnergyAtEvery30Min": {
        "epc": "0xEB",
        "descriptions": {
          "ja": "定時積算電力量計測値（逆方向計測値）",
          "en": "Cumulative amounts of electric energy measured at fixed time(reverse direction)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "electricEnergy": {
              "descriptions": {
                "ja": "積算電力量計測値",
                "en": "Cumulative amounts of electric energy measured"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "coefficient": [
                    "0xD3",
                    "0xD4"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
```


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```
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "値は0xD3と0xD4の値を乗算した値。",
          "en": "This value is already multiplied with 0xD3 and 0xD4."
        }
      }
    }
  }
```


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分散型電源電力量メータ:drElectricEnergyMeter:0x028E

List of Devicesに戻る

Note to Server:
以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に積算電力量単位（EPC=0xD4）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。

- 積算電力量計測値(交流入力)
- 積算電力量計測値履歴(交流入力)
- 積算電力量計測値(交流出力)
- 積算電力量計測値履歴(交流出力)
- 積算電力量計測値(自立出力)
- 積算電力量計測値履歴(自立出力)
- 定時積算電力量計測値(交流入力)
- 定時積算電力量計測値(交流出力)
- 定時積算電力量計測値(自立出力)

例：

```
定時積算電力量計測値(交流入力)（EPC=0xE6）: 0x075BCD15（123456789）
積算電力量単位（EPC=0xD4）                 : 0x02（0.01kWh）
    実際の積算有効電力量(交流入力)  123456789×0.01=1234567.89[kWh]
```

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
deviceType	GET	string	0xD0	機器種別 Device type	
deviceId	GET	string	0xD1	機器ID Device ID	
toleranceClass	GET	string	0xD2	公差階級 Tolerance class	
retentionDaysOfCumulativeElectricEnergyLog	GET	number, string	0xD3	積算電力量計測値履歴保持日数 Number of days to retain historical data of measured cumulative amounts of electric energy	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
targetDeviceId	GET	string	0xD6	計量対象機器識別番号 Identification number of device to be metered	
currentTime	GET, PUT	string	0xDA	現在時分秒設定 Current hour, minute, and second setting	
timeSynchronizationStatus	GET	string	0xDB	時刻同期状態 Time synchronization status	
acInputCumulativeElectricEnergy	GET	number	0xE0	積算電力量計測値(交流入力) Measured cumulative amounts of electric energy (AC input)	
acInputCumulativeElectricEnergyLog	GET	object	0xE1	積算電力量計測値履歴(交流入力) Historical data of measured cumulative amounts of electric energy (AC input)	*1
acOutputCumulativeElectricEnergy	GET	number	0xE2	積算電力量計測値(交流出力) Measured cumulative amounts of electric energy (AC output)	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
acOutputCumulativeElectricEnergyLog	GET	object	0xE3	積算電力量計測値履歴(交流出力) Historical data of measured cumulative amounts of electric energy (AC output)	*1
independentOperationCumulativeElectricEnergy	GET	number, string	0xE4	積算電力量計測値(自立出力) Measured cumulative amounts of electric energy (output during a power outage)	
independentOperationCumulativeElectricEnergyLog	GET	object	0xE5	積算電力量計測値履歴(自立出力) Historical data of measured cumulative amounts of electric energy (output during a power outage)	*1
acInputCumulativeElectricEnergyAtEvery30Min	GET	object	0xE6	定時積算電力量計測値(交流入力) Cumulative amounts of electric energy measured at fixed time (AC input)	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
acOutputCumulativeElectricEnergyAtEvery30Min	GET	object	0xE7	定時積算電力量計測値(交流出力) Cumulative amounts of electric energy measured at fixed time (AC output)	
independentOperationCumulativeElectricEnergyAtEvery30Min	GET	object	0xE8	定時積算電力量計測値(自立出力) Cumulative amounts of electric energy measured at fixed time (output during a power outage)	
acInstantaneousElectricPower	GET	number, string	0xE9	瞬時電力計測値(交流入出力) Measured instantaneous electric power (AC input/output)	
independentOperationInstantaneousElectricPower	GET	number, string	0xEA	瞬時電力計測値(自立出力) Measured instantaneous electric power (output during a power outage)	

*1 queryあり

Device Description

```
{
  "deviceType": "drElectricEnergyMeter",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x028E",
  "descriptions": {
```


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```
      "ja": "分散型電源電力量メータ",
      "en": "distributed generator's electric energy meter"
    },
    "properties": {
      "deviceType": {
        "epc": "0xD0",
        "descriptions": {
          "ja": "機器種別",
          "en": "Device type"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string"
        },
        "note": {
          "ja": "1バイト目はクラスグループコード。2バイト目はクラスコード。3バイト目は系統連携方式(0x00：系統
連携方式、0x01：スタンドアロン方式)",
          "en": "1st data is class group code. 2nd data is class code and 3rd data is system
interconnection type (0x00: system interconnected type, 0x01: stand-alone type)."
        }
      },
      "deviceId": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "機器ID",
          "en": "Device ID"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string"
        },
        "note": {
          "ja": "1～6バイト目：ECHONET LiteノードのMACアドレス、7バイト目：ECHONET Liteノードに搭載される分
散型電源電力量メータを識別する番号",
          "en": "1st-6th byte: MAC address of ECHONET Lite node, 7th byte: Number that identifies the
decentralized electric energy meter implemented in the ECHONET Lite node."
        }
      },
      "toleranceClass": {
        "epc": "0xD2",
        "descriptions": {
          "ja": "公差階級",
          "en": "Tolerance class"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "n1",
            "n2",
            "n3",
            "n4",
            "n5",
            "n6",
            "n7",
            "others"
          ],
          "values": [
            {
              "value": "n1",
              "descriptions": {
                "ja": "n1",
```


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```
                "en": "n1"
              },
              "edt": "0x01"
            },
            {
              "value": "n2",
              "descriptions": {
                "ja": "n2",
                "en": "n2"
              },
              "edt": "0x02"
            },
            {
              "value": "n3",
              "descriptions": {
                "ja": "n3",
                "en": "n3"
              },
              "edt": "0x03"
            },
            {
              "value": "n4",
              "descriptions": {
                "ja": "n4",
                "en": "n4"
              },
              "edt": "0x04"
            },
            {
              "value": "n5",
              "descriptions": {
                "ja": "n5",
                "en": "n5"
              },
              "edt": "0x05"
            },
            {
              "value": "n6",
              "descriptions": {
                "ja": "n6",
                "en": "n6"
              },
              "edt": "0x06"
            },
            {
              "value": "n7",
              "descriptions": {
                "ja": "n7",
                "en": "n7"
              },
              "edt": "0x07"
            },
            {
              "value": "others",
              "descriptions": {
                "ja": "その他",
                "en": "others"
              },
              "edt": "0xFF"
            }
          ]
        },
        "note": {
          "ja": "発電設備等の計測する計量精度を、特定計量制度に係るガイドラインに定められる、取引規模に応じた公差の階級で示す。",
```


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```
        "en": "The measurement accuracy of the power generating unit, etc., is shown as a tolerance
class according to the scale of transactions, as specified in the Guidelines on Specific Measurement
Scheme."
      }
    },
    "retentionDaysOfCumulativeElectricEnergyLog": {
      "epc": "0xD3",
      "descriptions": {
        "ja": "積算電力量計測値履歴保持日数",
        "en": "Number of days to retain historical data of measured cumulative amounts of electric
energy"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "minimum": 0,
            "maximum": 99
          },
          {
            "type": "string",
            "enum": [
              "historyUnavailable"
            ],
            "values": [
              {
                "value": "historyUnavailable",
                "descriptions": {
                  "ja": "履歴未対応",
                  "en": "History unavailable"
                },
                "edt": "0xFFFF"
              }
            ]
          }
        ]
      },
      "note": {
        "ja": "0x0000(0)は当日の履歴のみを持つ。0x0001(1)は当日＋前日の履歴を持つ。0x0063(99)は当日＋99日
前までの履歴を持つ",
        "en": "0x0000(0) has the history of the current day only. 0x0001(1) has the history of the
current day and the previous day. 0x0063(99) has the history of the current day through 99 days
earlier."
      }
    },
    "targetDeviceId": {
      "epc": "0xD6",
      "descriptions": {
        "ja": "計量対象機器識別番号",
        "en": "Identification number of device to be metered"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string"
      },
      "note": {
        "ja": "1バイト目は0xFE。2～4バイト目はメーカコード。残りは機器毎のユニーク値",
        "en": "1st data is 0xFE. 2nd to 4th data is manufacture code. The rest should be unique to
each device."
      }
    },
    "currentTime": {
```


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```
        "epc": "0xDA",
        "descriptions": {
          "ja": "現在時分秒設定",
          "en": "Current hour, minute, and second setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        }
      },
      "timeSynchronizationStatus": {
        "epc": "0xDB",
        "descriptions": {
          "ja": "時刻同期状態",
          "en": "Time synchronization status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "noSync",
            "success",
            "fail",
            "notImplemented"
          ],
          "values": [
            {
              "value": "noSync",
              "descriptions": {
                "ja": "時刻同期なし",
                "en": "no time synchronization"
              },
              "edt": "0x00"
            },
            {
              "value": "success",
              "descriptions": {
                "ja": "時刻同期成功",
                "en": "time synchronization successful"
              },
              "edt": "0x01"
            },
            {
              "value": "fail",
              "descriptions": {
                "ja": "時刻同期失敗",
                "en": "time synchronization failed"
              },
              "edt": "0x02"
            },
            {
              "value": "notImplemented",
              "descriptions": {
                "ja": "時刻同期機能未搭載",
                "en": "time synchronization function not implemented"
              },
              "edt": "0xFF"
            }
          ]
        }
      },
      "acInputCumulativeElectricEnergy": {
```


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```
      "epc": "0xE0",
      "descriptions": {
        "ja": "積算電力量計測値(交流入力)",
        "en": "Measured cumulative amounts of electric energy (AC input)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "kWh",
        "minimum": 0,
        "maximum": 99999999,
        "coefficient": [
          "0xD4"
        ]
      },
      "note": {
        "ja": "値は0xD4の値を乗算した値。",
        "en": "This value is already multiplied with 0xD4."
      }
    },
    "acInputCumulativeElectricEnergyLog": {
      "epc": "0xE1",
      "epcAtomic": "0xD5",
      "descriptions": {
        "ja": "積算電力量計測値履歴(交流入力)",
        "en": "Historical data of measured cumulative amounts of electric energy (AC input)"
      },
      "writable": false,
      "observable": false,
      "urlParameters": {
        "day": {
          "descriptions": {
            "ja": "積算履歴収集日",
            "en": "Day on which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
          },
          "schema": {
            "type": "number",
            "minimum": 0,
            "maximum": 99
          },
          "required": false
        }
      },
      "schema": {
        "type": "object",
        "properties": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day on which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
            "oneOf": [
              {
                "type": "number",
                "minimum": 0,
                "maximum": 99
              },
              {
                "type": "string",
                "enum": [
                  "initialValue"
                ],
```


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```
                "values": [
                  {
                    "value": "initialValue",
                    "descriptions": {
                      "ja": "初期値(未設定)",
                      "en": "initial value (not set)"
                    },
                    "edt": "0xFFFF"
                  }
                ]
              }
            ]
          },
          "electricEnergy": {
            "descriptions": {
              "ja": "積算電力量計測値",
              "en": "Measured cumulative amounts of electric energy"
            },
            "type": "array",
            "minItems": 48,
            "maxItems": 48,
            "items": {
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "maximum": 99999999,
                  "coefficient": [
                    "0xD4"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        }
      },
      "note": {
        "ja": "積算履歴収集日(EPC:0xD5)をqueryで設定する。値は0xD4の値を乗算した値。",
        "en": "Day for the log(EPC:0xD5) should be set as a query. The value is already multiplied
with 0xD4."
      }
    },
    "acOutputCumulativeElectricEnergy": {
      "epc": "0xE2",
      "descriptions": {
        "ja": "積算電力量計測値(交流出力)",
        "en": "Measured cumulative amounts of electric energy (AC output)"
      },
```


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```
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 99999999,
          "coefficient": [
            "0xD4"
          ]
        },
        "note": {
          "ja": "値は0xD4の値を乗算した値。",
          "en": "This value is already multiplied with 0xD4."
        }
      },
      "acOutputCumulativeElectricEnergyLog": {
        "epc": "0xE3",
        "epcAtomic": "0xD5",
        "descriptions": {
          "ja": "積算電力量計測値履歴(交流出力)",
          "en": "Historical data of measured cumulative amounts of electric energy (AC output)"
        },
        "writable": false,
        "observable": false,
        "urlParameters": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day on which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
            "schema": {
              "type": "number",
              "minimum": 0,
              "maximum": 99
            },
            "required": false
          }
        },
        "schema": {
          "type": "object",
          "properties": {
            "day": {
              "descriptions": {
                "ja": "積算履歴収集日",
                "en": "Day on which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
              },
              "oneOf": [
                {
                  "type": "number",
                  "minimum": 0,
                  "maximum": 99
                },
                {
                  "type": "string",
                  "enum": [
                    "initialValue"
                  ],
                  "values": [
                    {
                      "value": "initialValue",
                      "descriptions": {
                        "ja": "初期値(未設定)",
```


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```
                        "en": "initial value (not set)"
                      },
                      "edt": "0xFFFF"
                    }
                  ]
                }
              ]
            },
            "electricEnergy": {
              "descriptions": {
                "ja": "積算電力量計測値",
                "en": "Measured cumulative amounts of electric energy"
              },
              "type": "array",
              "minItems": 48,
              "maxItems": 48,
              "items": {
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "kWh",
                    "minimum": 0,
                    "maximum": 99999999,
                    "coefficient": [
                      "0xD4"
                    ]
                  },
                  {
                    "type": "string",
                    "enum": [
                      "noData"
                    ],
                    "values": [
                      {
                        "value": "noData",
                        "descriptions": {
                          "ja": "未計測",
                          "en": "Not measured"
                        },
                        "edt": "0xFFFFFFFE"
                      }
                    ]
                  }
                ]
              }
            }
          }
        },
        "note": {
          "ja": "積算履歴収集日(EPC:0xD5)をqueryで設定する。値は0xD4の値を乗算した値。",
          "en": "Day for the log(EPC:0xD5) should be set as a query. The value is already multiplied
with 0xD4."
        }
      },
      "independentOperationCumulativeElectricEnergy": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "積算電力量計測値(自立出力)",
          "en": "Measured cumulative amounts of electric energy (output during a power outage)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
```


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```
            "type": "number",
            "unit": "kWh",
            "minimum": 0,
            "maximum": 99999999,
            "coefficient": [
              "0xD4"
            ]
          },
          {
            "type": "string",
            "enum": [
              "noData"
            ],
            "values": [
              {
                "value": "noData",
                "descriptions": {
                  "ja": "未計測",
                  "en": "Not measured"
                },
                "edt": "0xFFFFFFFE"
              }
            ]
          }
        ]
      },
      "note": {
        "ja": "値は0xD4の値を乗算した値。",
        "en": "This value is already multiplied with 0xD4."
      }
    },
    "independentOperationCumulativeElectricEnergyLog": {
      "epc": "0xE5",
      "epcAtomic": "0xD5",
      "descriptions": {
        "ja": "積算電力量計測値履歴(自立出力)",
        "en": "Historical data of measured cumulative amounts of electric energy (output during a
power outage )"
      },
      "writable": false,
      "observable": false,
      "urlParameters": {
        "day": {
          "descriptions": {
            "ja": "積算履歴収集日",
            "en": "Day on which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
          },
          "schema": {
            "type": "number",
            "minimum": 0,
            "maximum": 99
          },
          "required": false
        }
      },
      "schema": {
        "type": "object",
        "properties": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day on which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
```


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```
            "oneOf": [
              {
                "type": "number",
                "minimum": 0,
                "maximum": 99
              },
              {
                "type": "string",
                "enum": [
                  "initialValue"
                ],
                "values": [
                  {
                    "value": "initialValue",
                    "descriptions": {
                      "ja": "初期値(未設定)",
                      "en": "initial value (not set)"
                    },
                    "edt": "0xFFFF"
                  }
                ]
              }
            ]
          },
          "electricEnergy": {
            "descriptions": {
              "ja": "積算電力量計測値",
              "en": "Measured cumulative amounts of electric energy"
            },
            "type": "array",
            "minItems": 48,
            "maxItems": 48,
            "items": {
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "maximum": 99999999,
                  "coefficient": [
                    "0xD4"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        }
      },
      "note": {
```


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```
          "ja": "積算履歴収集日(EPC:0xD5)をqueryで設定する。値は0xD4の値を乗算した値。",
          "en": "Day for the log(EPC:0xD5) should be set as a query. The value is already multiplied
with 0xD4."
        }
      },
      "acInputCumulativeElectricEnergyAtEvery30Min": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "定時積算電力量計測値(交流入力)",
          "en": "Cumulative amounts of electric energy measured at fixed time (AC input)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "electricEnergy": {
              "descriptions": {
                "ja": "積算電力量計測値",
                "en": "Cumulative amounts of electric energy measured"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "maximum": 99999999,
                  "coefficient": [
                    "0xD4"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "値は0xD4の値を乗算した値。",
          "en": "This value is already multiplied with 0xD4."
        }
      },
      "acOutputCumulativeElectricEnergyAtEvery30Min": {
```


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```
        "epc": "0xE7",
        "descriptions": {
          "ja": "定時積算電力量計測値(交流出力)",
          "en": "Cumulative amounts of electric energy measured at fixed time (AC output)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "electricEnergy": {
              "descriptions": {
                "ja": "積算電力量計測値",
                "en": "Cumulative amounts of electric energy measured"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "maximum": 99999999,
                  "coefficient": [
                    "0xD4"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "値は0xD4の値を乗算した値。",
          "en": "This value is already multiplied with 0xD4."
        }
      },
      "independentOperationCumulativeElectricEnergyAtEvery30Min": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "定時積算電力量計測値(自立出力)",
          "en": "Cumulative amounts of electric energy measured at fixed time (output during a power
outage)"
        },
```


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```
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "dateAndTime": {
              "descriptions": {
                "ja": "計測日時",
                "en": "Date and time of measurement"
              },
              "type": "string",
              "format": "date-time"
            },
            "electricEnergy": {
              "descriptions": {
                "ja": "積算電力量計測値",
                "en": "Cumulative amounts of electric energy measured"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kWh",
                  "minimum": 0,
                  "maximum": 99999999,
                  "coefficient": [
                    "0xD4"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "値は0xD4の値を乗算した値。",
          "en": "This value is already multiplied with 0xD4."
        }
      },
      "acInstantaneousElectricPower": {
        "epc": "0xE9",
        "descriptions": {
          "ja": "瞬時電力計測値(交流入出力)",
          "en": "Measured instantaneous electric power (AC input/output)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
```


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```
              "unit": "W",
              "minimum": -2147483647,
              "maximum": 2147483645
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0x7FFFFFFE"
                }
              ]
            }
          ]
        }
      },
      "independentOperationInstantaneousElectricPower": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "瞬時電力計測値(自立出力)",
          "en": "Measured instantaneous electric power (output during a power outage)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "W",
              "minimum": -2147483647,
              "maximum": 2147483645
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0x7FFFFFFE"
                }
              ]
            }
          ]
        }
      }
    }
  }
```


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双方向対応高圧スマート電力量メータ:bidirHvSmartElectricEnergyMeter:0x028F

List of Devicesに戻る

Note to Server:
以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と積算有効電力量単位（EPC=0xE6）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、積算有効電力量有効桁数（EPC=0xE5）から求めた値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と積算有効電力量単位（EPC=0xE6）を乗算した値となる。multipleOfを付加する場合は、係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と積算有効電力量単位（EPC=0xE6）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 1分積算有効電力量計測値(正方向、逆方向計測値)
- 積算有効電力量計測値(正方向、逆方向計測値)
- 定時積算有効電力量計測値(正方向、逆方向計測値)
- 力測積算有効電力量計測値(正方向、逆方向計測値)
- 積算有効電力量計測値履歴(正方向計測値)
- 積算有効電力量計測値履歴(逆方向計測値)
- 積算有効電力量計測値履歴2(正方向、逆方向計測値)

例：

```
積算有効電力量計測値（EPC=0xE2）     : 0x00BC614E（12345678）
係数（EPC=0xD3）                      : 0x00000001（1倍）
係数の倍率（EPC=0xD4）                : 0x00（1倍）
積算有効電力量単位（EPC=0xE6）        : 0x01（0.1kWh）
積算有効電力量有効桁数（EPC=0xE5）    : 0x08（8桁＝最大計測値99999999）   の場合
    実際の積算有効電力量  12345678×1×1×0.1=1234567.8[kWh]
    maximumの値           99999999×1×1×0.1=9999999.9
    multipleOfの値        1×1×0.1=0.1
```

以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と需要電力単位（EPC=0xC5）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、需要電力有効桁数（EPC=0xC4）から求めた値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と需要電力単位（EPC=0xC5）を乗算した値となる。multipleOfを付加する場合は、係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と需要電力単位（EPC=0xC5）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 月間最大需要電力(正方向、逆方向計測値)
- 定時需要電力(30分平均電力)(正方向、逆方向計測値)
- 需要電力計測値履歴(正方向計測値)
- 需要電力計測値履歴(逆方向計測値)

例：

```
月間最大需要電力（EPC=0xC1）   : 0x00BC614E（12345678）
係数（EPC=0xD3）                : 0x00000001（1倍）
```


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```
係数の倍率（EPC=0xD4）          : 0x00（1倍）
需要電力単位（EPC=0xC5）        : 0x01（0.1kW）
需要電力有効桁数（EPC=0xC4）   : 0x08（8桁＝最大計測値99999999）   の場合
    実際の月間最大需要電力  12345678×1×1×0.1=1234567.8[kW]
    maximumの値              99999999×1×1×0.1=9999999.9
    multipleOfの値           1×1×0.1=0.1
```

以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と累積最大需要電力単位（EPC=0xC7）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、需要電力有効桁数（EPC=0xC4）から求めた値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と累積最大需要電力単位（EPC=0xC7）を乗算した値となる。multipleOfを付加する場合は、係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と累積最大需要電力単位（EPC=0xC7）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 累積最大需要電力(正方向、逆方向計測値)

例：

```
累積最大需要電力（EPC=0xC2）       : 0x00BC614E（12345678）
係数（EPC=0xD3）                    : 0x00000001（1倍）
係数の倍率（EPC=0xD4）              : 0x00（1倍）
累積最大需要電力単位（EPC=0xC7）   : 0x01（0.1kW）
需要電力有効桁数（EPC=0xC4）       : 0x08（8桁＝最大計測値99999999）   の場合
    実際の累積最大需要電力  12345678×1×1×0.1=1234567.8[kW]
    maximumの値              99999999×1×1×0.1=9999999.9
    multipleOfの値           1×1×0.1=0.1
```

以下のECHONET LiteのPropertyは、ECHONET LiteでGETした値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と積算無効電力量単位（EPC=0xCD）を乗算することで実際の値となる。サーバ側でこれらの計算を行うこととする。したがってECHONET Lite Web APIでは取得した値をそのまま利用できる。
また以下のPropertyについては、/devices/<deviceId>のレスポンスとしてデータスキーマにmaximumやmultipleOfを付加してもよい。maximumを付加する場合は、積算無効電力量有効桁数（EPC=0xCC）から求めた値に係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と積算無効電力量単位（EPC=0xCD）を乗算した値となる。multipleOfを付加する場合は、係数（EPC=0xD3）と係数の倍率（EPC=0xD4）と積算無効電力量単位（EPC=0xCD）を乗算した値となる。いずれもサーバ側でこれらの計算を行い設定することとする。

- 力測積算無効電力量(遅れ)計測値(正方向、逆方向計測値)
- 定時力測積算無効電力量(遅れ)計測値(正方向、逆方向計測値)
- 力測積算無効電力量(遅れ)計測値履歴(正方向計測値)
- 力測積算無効電力量(遅れ)計測値履歴(逆方向計測値)
- 1分力測積算無効電力量(遅れ)計測値(正方向、逆方向計測値)
- 積算無効電力量計測値(遅れ)現在値(正方向、逆方向計測値)
- 積算無効電力量計測値(進み)現在値(正方向、逆方向計測値)
- 力測積算無効電力量(遅れ)計測値履歴2(正方向、逆方向計測値)

例：

```
力測積算無効電力量(遅れ)計測値（EPC=0xCA）   : 0x00BC614E（12345678）
係数（EPC=0xD3）                              : 0x00000001（1倍）
```


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```
係数の倍率（EPC=0xD4）                        : 0x00（1倍）
積算無効電力量単位（EPC=0xCD）               : 0x01（0.1kvarh）
積算無効電力量有効桁数（EPC=0xCC）           : 0x08（8桁＝最大計測値99999999）   の場合
    実際の力測積算無効電力量  12345678×1×1×0.1=1234567.8[kvarh]
    maximumの値               99999999×1×1×0.1=9999999.9
    multipleOfの値            1×1×0.1=0.1
```

以下のECHONET LiteのPropertyは、ECHONET Liteでデータを GETする前に「積算履歴収集日（EPC=0xE1)」をSETする必要がある。ECHONET Lite Web APIでは以下のPropertyをGET(REST)する際に「積算履歴収集日」の値をqueryとして指定する。サーバはECHONET Liteで「積算履歴収集日」をSETしたのち「需要電力計測値履歴」または「力測積算無効電力量(遅れ)計測値履歴」または「積算有効電力量計測値履歴」をGETする。なお、ECHONET Lite Web APIでqueryを付加しない場合は「積算履歴収集日」=0として扱う。

- 需要電力計測値履歴(正方向計測値)
- 需要電力計測値履歴(逆方向計測値)
- 力測積算無効電力量(遅れ)計測値履歴(正方向計測値)
- 力測積算無効電力量(遅れ)計測値履歴(逆方向計測値)
- 積算有効電力量計測値履歴(正方向計測値)
- 積算有効電力量計測値履歴(逆方向計測値)

以下のECHONET LiteのPropertyは、ECHONET Liteでデータを GETする前に「積算履歴収集日2（EPC=0xEF)」をSETする必要がある。ECHONET Lite Web APIでは以下のPropertyをGET(REST)する際に「積算履歴収集日2」の値をQueryとして指定する。サーバはECHONET Liteで「積算履歴収集日2」をSETしたのち「積算電力量計測値履歴2」または「力測積算無効電力量(遅れ)計測値履歴2」をGETする。

- 積算有効電力量計測値履歴2(正方向、逆方向計測値)
- 力測積算無効電力量(遅れ)計測値履歴2(正方向、逆方向計測値)

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
routeBId	GET	string	0xC0	Bルート識別番号 Route B Identification number	
monthlyMaximumElectricPowerDemand	GET	object	0xC1	月間最大需要電力(正方向、逆方向計測値) Monthly maximum electric power demand (normal and reverse directions)	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeMaximumElectricPowerDemand	GET	object	0xC2	累積最大需要電力(正方向、逆方向計測値) Cumulative maximum electric power demand (normal and reverse directions)	
averageElectricPowerDemand	GET	object	0xC3	定時需要電力(30分平均電力)(正方向、逆方向計測値) Electric power demand at fixed time (30-minute average electric power) (normal and reverse directions)	
normalDirectionElectricPoweDemandLog	GET	object	0xC6	需要電力計測値履歴(正方向計測値) Historical data of measured electric power demand (normal direction)	*1
reverseDirectionElectricPoweDemandLog	GET	object	0xC8	需要電力計測値履歴(逆方向計測値) Historical data of measured electric power demand (reverse direction)	*1

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeReactiveElectricEnergy	GET	object	0xCA	力測積算無効電力量(遅れ)計測値(正方向、逆方向計測値) Measurement data of cumulative amount of reactive electric energy (lag) for power factor (normal and reverse directions)	
cumulativeReactiveElectricEnergyAtEvery30Min	GET	object	0xCB	定時力測積算無効電力量(遅れ)計測値(正方向、逆方向計測値) Measurement data of cumulative amount of reactive electric energy (lag) at fixed time for power factor (normal and reverse directions)	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
normalDirectionCumulativeReactiveElectricEnergyLog	GET	object	0xCE	力測積算無効電力量(遅れ)計測値履歴(正方向計測値) Historical data of measurement data of cumulative amount of reactive electric energy (lag) for power factor (normal direction)	*1
reverseDirectionCumulativeReactiveElectricEnergyLog	GET	object	0xCF	力測積算無効電力量(遅れ)計測値履歴(逆方向計測値) Historical data of measurement data of cumulative amount of reactive electric energy (lag) for power factor (reverse direction)	*1

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeActiveElectricEnergyAtEvery1Min	GET	object	0xD0	1分積算有効電力量計測値(正方向、逆方向計測値) One-minute measured cumulative amount of active electric energy (normal and reverse directions)	
cumulativeReactiveElectricEnergyAtEvery1Min	GET	object	0xD1	1分力測積算無効電力量(遅れ)計測値(正方向、逆方向計測値) One-minute measurement data of cumulative amount of reactive electric energy (lag) for power factor (normal and reverse directions)	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeReactiveElectricEnergyLag	GET	object	0xD5	積算無効電力量計測値(遅れ)現在値(正方向、逆方向計測値) Present values of measured cumulative amount of reactive electric energy (lag) (normal and reverse directions)	
cumulativeReactiveElectricEnergyLead	GET	object	0xD6	積算無効電力量計測値(進み)現在値(正方向、逆方向計測値) Present values of measured cumulative amount of reactive electric energy (lead) (normal and reverse directions)	
fixedDate	GET	number	0xE0	確定日 Fixed date	
cumulativeActiveElectricEnergy	GET	object	0xE2	積算有効電力量計測値(正方向、逆方向計測値) Measured cumulative amount of active electric energy (normal and reverse directions)	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeActiveElectricEnergyAtEvery30Min	GET	object	0xE3	定時積算有効電力量計測値(正方向、逆方向計測値) Cumulative amounts of active electric energy at fixed time (normal and reverse directions)	
cumulativeActiveElectricEnergyForPowerFactor	GET	object	0xE4	力測積算有効電力量計測値(正方向、逆方向計測値) Measurement data of cumulative amount of active electric energy for power factor (normal and reverse directions)	
normalDirectionCumulativeActiveElectricEnergyLog	GET	object	0xE7	積算有効電力量計測値履歴(正方向計測値) Historical data of measured cumulative amount of active electric energy (normal direction)	*1

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
reverseDirectionCumulativeActiveElectricEnergyLog	GET	object	0xE8	積算有効電力量計測値履歴(逆方向計測値) Historical data of measured cumulative amount of active electric energy (reverse direction)	*1
instantaneousElectricPower	GET	number, string	0xEA	瞬時電力計測値 Measured instantaneous electric energy	
instantaneousCurrents2	GET	object	0xEB	瞬時電流計測値2 Measured instantaneous currents 2	
cumulativeActiveElectricEnergyLog2	GET	object	0xED	積算有効電力量計測値履歴2(正方向、逆方向計測値) Historical data of measured cumulative amount of active electric energy 2 (normal and reverse directions)	*1

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeReactiveElectricEnergyLog2	GET	object	0xEE	力測積算無効電力量(遅れ)計測値履歴2(正方向、逆方向計測値) Historical data of measurement data of cumulative amount of reactive electric energy (lag) for power factor 2 (normal and reverse directions)	*1

*1 queryあり

Device Description

```
{
  "deviceType": "bidirHvSmartElectricEnergyMeter",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x028F",
  "descriptions": {
    "ja": "双方向対応高圧スマート電力量メータ",
    "en": "Bidirectional high voltage smart electric energy meter"
  },
  "properties": {
    "routeBId": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "Bルート識別番号",
        "en": "Route B Identification number"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string"
      },
      "note": {
        "ja": "日本国内では以下の値域である。1バイト目：0x00 2～4バイト目：メーカコード0x000000~0xFFFFFF
5～16バイト目：自由領域",
        "en": "The following value ranges are available in Japan. 1st byte: 0x00 2nd-4th bytes:
Manufacturer code 0x000000-0xFFFFFF 5th-16th bytes: free area"
      }
```


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```
      },
      "monthlyMaximumElectricPowerDemand": {
        "epc": "0xC1",
        "descriptions": {
          "ja": "月間最大需要電力(正方向、逆方向計測値)",
          "en": "Monthly maximum electric power demand (normal and reverse directions)"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "normalDirection": {
              "descriptions": {
                "ja": "正方向",
                "en": "Normal direction"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kW",
                  "minimum": 0,
                  "coefficient": [
                    "0xC5",
                    "0xD3",
                    "0xD4"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
                    "noData"
                  ],
                  "values": [
                    {
                      "value": "noData",
                      "descriptions": {
                        "ja": "未計測",
                        "en": "Not measured"
                      },
                      "edt": "0xFFFFFFFE"
                    }
                  ]
                }
              ]
            },
            "reverseDirection": {
              "descriptions": {
                "ja": "逆方向",
                "en": "Reverse direction"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "kW",
                  "minimum": 0,
                  "coefficient": [
                    "0xC5",
                    "0xD3",
                    "0xD4"
                  ]
                },
                {
                  "type": "string",
                  "enum": [
```


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```
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0xFFFFFFFE"
                }
              ]
            }
          ]
        }
      }
    },
    "note": {
      "ja": "EPC=0xC5, 0xD3, 0xD4 の値を乗算済みの値",
      "en": "The value is multipled by the value of EPC=0xC5, 0xD3 and 0xD4."
    }
  },
  "cumulativeMaximumElectricPowerDemand": {
    "epc": "0xC2",
    "descriptions": {
      "ja": "累積最大需要電力(正方向、逆方向計測値)",
      "en": "Cumulative maximum electric power demand (normal and reverse directions)"
    },
    "writable": false,
    "observable": false,
    "schema": {
      "type": "object",
      "properties": {
        "normalDirection": {
          "descriptions": {
            "ja": "正方向",
            "en": "Normal direction"
          },
          "oneOf": [
            {
              "type": "number",
              "unit": "kW",
              "minimum": 0,
              "coefficient": [
                "0xC7",
                "0xD3",
                "0xD4"
              ]
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0xFFFFFFFE"
                }
              ]
            }
```


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```
            ]
          },
          "reverseDirection": {
            "descriptions": {
              "ja": "逆方向",
              "en": "Reverse direction"
            },
            "oneOf": [
              {
                "type": "number",
                "unit": "kW",
                "minimum": 0,
                "coefficient": [
                  "0xC7",
                  "0xD3",
                  "0xD4"
                ]
              },
              {
                "type": "string",
                "enum": [
                  "noData"
                ],
                "values": [
                  {
                    "value": "noData",
                    "descriptions": {
                      "ja": "未計測",
                      "en": "Not measured"
                    },
                    "edt": "0xFFFFFFFE"
                  }
                ]
              }
            ]
          }
        }
      },
      "note": {
        "ja": "EPC=0xC7, 0xD3, 0xD4 の値を乗算済みの値",
        "en": "The value is multipled by the value of EPC=0xC7, 0xD3 and 0xD4."
      }
    },
    "averageElectricPowerDemand": {
      "epc": "0xC3",
      "descriptions": {
        "ja": "定時需要電力(30分平均電力)(正方向、逆方向計測値)",
        "en": "Electric power demand at fixed time (30-minute average electric power) (normal and
reverse directions)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "dateAndTime": {
            "descriptions": {
              "ja": "計測日時",
              "en": "Date and time of measurement"
            },
            "type": "string",
            "format": "date-time"
          },
          "normalDirectionElectricPower": {
            "descriptions": {
```


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```
            "ja": "需要電力 (正方向)",
            "en": "Electric Power demand (normal direction)"
          },
          "oneOf": [
            {
              "type": "number",
              "unit": "kW",
              "minimum": 0,
              "coefficient": [
                "0xC5",
                "0xD3",
                "0xD4"
              ]
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0xFFFFFFFE"
                }
              ]
            }
          ]
        },
        "reverseDirectionElectricPower": {
          "descriptions": {
            "ja": "需要電力 (逆方向)",
            "en": "Electric Power demand (reverse direction)"
          },
          "oneOf": [
            {
              "type": "number",
              "unit": "kW",
              "minimum": 0,
              "coefficient": [
                "0xC5",
                "0xD3",
                "0xD4"
              ]
            },
            {
              "type": "string",
              "enum": [
                "noData"
              ],
              "values": [
                {
                  "value": "noData",
                  "descriptions": {
                    "ja": "未計測",
                    "en": "Not measured"
                  },
                  "edt": "0xFFFFFFFE"
                }
              ]
            }
          ]
```


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```
            }
          }
        },
        "note": {
          "ja": "EPC=0xC5, 0xD3, 0xD4 の値を乗算済みの値",
          "en": "The value is multipled by the value of EPC=0xC5, 0xD3 and 0xD4."
        }
      },
      "normalDirectionElectricPoweDemandLog": {
        "epc": "0xC6",
        "epcAtomic": "0xE1",
        "descriptions": {
          "ja": "需要電力計測値履歴(正方向計測値)",
          "en": "Historical data of measured electric power demand (normal direction)"
        },
        "writable": false,
        "observable": false,
        "urlParameters": {
          "day": {
            "descriptions": {
              "ja": "積算履歴収集日",
              "en": "Day for which the historical data of measured cumulative amounts of electric
energy is to be retrieved"
            },
            "schema": {
              "type": "number",
              "minimum": 0,
              "maximum": 99
            },
            "required": false
          }
        },
        "schema": {
          "type": "object",
          "properties": {
            "day": {
              "descriptions": {
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factor (normal and reverse directions)"
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          "en": "Historical data of measurement data of cumulative amount of reactive electric energy
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        "descriptions": {
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          "en": "Historical data of measurement data of cumulative amount of reactive electric energy
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energy is to be retrieved"
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        }
      },
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        "en": "One-minute measured cumulative amount of active electric energy (normal and reverse
directions)"
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          "normalDirectionCumulativeActiveElectricEnergy": {
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              "en": "Cumulative amount of active electric energy (normal direction)"
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                "en": "Cumulative amount of reactive electric energy (lag) (normal direction)"
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            },
            "reverseDirectionCumulativeReactiveElectricEnergy": {
              "descriptions": {
                "ja": "積算無効電力量（遅れ）（逆方向）",
                "en": "Cumulative amount of reactive electric energy (lag) (reverse direction)"
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          "en": "The value is multipled by the value of EPC=0xCD, 0xD3 and 0xD4."
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      "cumulativeReactiveElectricEnergyLag": {
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        "descriptions": {
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          "en": "Present values of measured cumulative amount of reactive electric energy (lag)
(normal and reverse directions)"
        },
        "writable": false,
        "observable": false,
        "schema": {
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          "properties": {
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      "en": "Present values of measured cumulative amount of reactive electric energy (lead)
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        "en": "Measured cumulative amount of active electric energy (normal and reverse directions)"
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  "cumulativeActiveElectricEnergyForPowerFactor": {
    "epc": "0xE4",
    "descriptions": {
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      "en": "Measurement data of cumulative amount of active electric energy for power factor
(normal and reverse directions)"
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    "writable": false,
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          "en": "Historical data of measured cumulative amount of active electric energy (normal
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                    "descriptions": {
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                      "en": "Default value"
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            ]
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        "en": "Query is Day for collection (default value is 0). The value is multipled by the value
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        "en": "Historical data of measured cumulative amount of active electric energy (reverse
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energy is to be retrieved"
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                ]
              }
            ]
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                  "enum": [
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            }
          }
        },
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          "en": "Query is Day for collection (default value is 0). The value is multipled by the value
of EPC=0xE6, 0xD3 and 0xD4."
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      "instantaneousElectricPower": {
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        "descriptions": {
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                    "en": "Not measured"
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      },
      "instantaneousCurrents2": {
        "epc": "0xEB",
        "descriptions": {
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          "en": "Measured instantaneous currents 2"
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            ]
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    "cumulativeActiveElectricEnergyLog2": {
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      "epcAtomic": "0xEF",
      "descriptions": {
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        "en": "Historical data of measured cumulative amount of active electric energy 2 (normal and
reverse directions)"
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    }
  }
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        "en": "Query is data&time and Number of collection segments. Value of seconds is 0. The
value is multipled by the value of EPC=0xE6, 0xD3 and 0xD4."
      }
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    "cumulativeReactiveElectricEnergyLog2": {
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        "en": "Historical data of measurement data of cumulative amount of reactive electric energy
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          "dateAndTime": {
            "descriptions": {
              "ja": "積算履歴収集日時",
              "en": "Date and time for which the historical data is to be retrieved"
            },
            "type": "string",
            "format": "date-time"
          },
          "numberOfCollectionSegments": {
            "descriptions": {
              "ja": "収集コマ数",
              "en": "Number of collection segments"
            },
            "type": "number",
            "minimum": 1,
            "maximum": 10
          },
          "cumulativeReactiveElectricEnergy": {
            "descriptions": {
              "ja": "力測積算無効電力量計測値",
              "en": "Measured cumulative amounts of reactive electric energy (lag) for power factor"
            },
            "type": "array",
```


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```
            "maxItems": 10,
            "items": {
              "type": "object",
              "properties": {
                "normalDirectionCumulativeElectricEnergy": {
                  "descriptions": {
                    "ja": "正方向",
                    "en": "Normal direction"
                  },
                  "oneOf": [
                    {
                      "type": "number",
                      "unit": "kvarh",
                      "minimum": 0,
                      "coefficient": [
                        "0xCD",
                        "0xD3",
                        "0xD4"
                      ]
                    },
                    {
                      "type": "string",
                      "enum": [
                        "noData"
                      ],
                      "values": [
                        {
                          "value": "noData",
                          "descriptions": {
                            "ja": "未計測",
                            "en": "Not measured"
                          },
                          "edt": "0xFFFFFFFE"
                        }
                      ]
                    }
                  ]
                },
                "reverseDirectionCumulativeElectricEnergy": {
                  "descriptions": {
                    "ja": "逆方向",
                    "en": "Reverse direction"
                  },
                  "oneOf": [
                    {
                      "type": "number",
                      "unit": "kvarh",
                      "minimum": 0,
                      "coefficient": [
                        "0xCD",
                        "0xD3",
                        "0xD4"
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                    {
                      "type": "string",
                      "enum": [
                        "noData"
                      ],
                      "values": [
                        {
                          "value": "noData",
                          "descriptions": {
                            "ja": "未計測",
                            "en": "Not measured"
```


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```
                            },
                            "edt": "0xFFFFFFFE"
                          }
                        ]
                      }
                    ]
                  }
                }
              }
            }
          }
        },
        "note": {
          "ja": "Queryは日時と収集コマ数。秒の値は0。EPC=0xCD, 0xD3, 0xD4 の値を乗算済みの値",
          "en": "Query is data&time and Number of collection segments. Value of seconds is 0. The
value is multipled by the value of EPC=0xCD, 0xD3 and 0xD4."
        }
      }
    }
  }
```


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一般照明:generalLighting:0x0290

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
onTimerReservation	GET, PUT	boolean	0x90	ONタイマ予約設定 ON timer reservation setting	
onTimerTime	GET, PUT	string	0x91	ONタイマ時刻設定値 ON timer setting	
offTimerReservation	GET, PUT	boolean	0x94	OFFタイマ予約設定 OFF timer reservation setting	
timeOfOffTimer	GET, PUT	string	0x95	OFFタイマ時刻設定値 Time set by OFF timer	
lightLevel	GET, PUT	number	0xB0	照明の明るさ設定 Light level	
lightColor	GET, PUT	string	0xB1	光色設定 Light color setting	
lightLevelStep	GET, PUT	string	0xB2	照明の明るさ段数設定 Light level step setting	
lightColorLevelStep	GET, PUT	string	0xB3	光色レベル段数設定 Light color step setting	
maximumSpecifiableLevel	GET	object	0xB4	設定可能レベル最大値 Maximum specifiable values	
maximumSettableLevelForNightLighting	GET	object	0xB5	常夜灯設定可能レベル最大値 Maximum value of settable level for night lighting	
operationMode	GET, PUT	string	0xB6	点灯モード設定 Lighting mode setting	
lightLevelForMainLighting	GET, PUT	number	0xB7	通常灯モード時照明の明るさ設定 Light level setting for main lighting	
lightLevelStepForMainLighting	GET, PUT	string	0xB8	通常灯モード時照明の明るさ段数設定 Light level step setting for main lighting	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
lightLevelForNightLighting	GET, PUT	number	0xB9	常夜灯モード時照明の明るさ設定 Light level setting for night lighting	
lightLevelStepForNightLighting	GET, PUT	string	0xBA	常夜灯モード時照明の明るさ段数設定 Light level step setting for night lighting	
lightColorForMainLighting	GET, PUT	string	0xBB	通常灯モード時光色設定 Light color setting for main lighting	
lightColorLevelStepForMainLighting	GET, PUT	string	0xBC	通常灯モード時光色レベル段数設定 Light color level step setting for main lighting	
lightColorLevelForNightLighting	GET, PUT	string	0xBD	常夜灯モード時光色設定 Light color setting for night lighting	
lightColorLevelStepForNightLighting	GET, PUT	string	0xBE	常夜灯モード時光色レベル段数設定 Light color level step setting for night lighting	
autoMode	GET	string	0xBF	自動モード時点灯モード状態 Lighting mode status in auto mode	
rgb	GET, PUT	object	0xC0	カラー灯モード時RGB設定 RGB setting for color lighting	

Device Description

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{
  "deviceType": "generalLighting",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0290",
  "descriptions": {
    "ja": "一般照明",
    "en": "General lighting"
  },
  "properties": {
    "onTimerReservation": {
      "epc": "0x90",
```


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```
        "descriptions": {
          "ja": "ONタイマ予約設定",
          "en": "ON timer reservation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "予約入",
                "en": "Reservation ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "予約切",
                "en": "Reservation OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "onTimerTime": {
        "epc": "0x91",
        "descriptions": {
          "ja": "ONタイマ時刻設定値",
          "en": "ON timer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        }
      },
      "offTimerReservation": {
        "epc": "0x94",
        "descriptions": {
          "ja": "OFFタイマ予約設定",
          "en": "OFF timer reservation setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "予約入",
                "en": "Reservation ON"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "予約切",
                "en": "Reservation OFF"
```


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```
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "timeOfOffTimer": {
      "epc": "0x95",
      "descriptions": {
        "ja": "OFFタイマ時刻設定値",
        "en": "Time set by OFF timer"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "format": "time"
      }
    },
    "lightLevel": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "照明の明るさ設定",
        "en": "Light level"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
      }
    },
    "lightColor": {
      "epc": "0xB1",
      "descriptions": {
        "ja": "光色設定",
        "en": "Light color setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "incandescent",
          "white",
          "daylightWhite",
          "daylightColor",
          "other",
          "undefined"
        ],
        "values": [
          {
            "value": "incandescent",
            "descriptions": {
              "ja": "電球色",
              "en": "Incandescent lamp color"
            },
            "edt": "0x41"
          },
          {
            "value": "white",
            "descriptions": {
              "ja": "白色",
```


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```
                "en": "White"
              },
              "edt": "0x42"
            },
            {
              "value": "daylightWhite",
              "descriptions": {
                "ja": "昼白色",
                "en": "Daylight white"
              },
              "edt": "0x43"
            },
            {
              "value": "daylightColor",
              "descriptions": {
                "ja": "昼光色",
                "en": "Daylight color"
              },
              "edt": "0x44"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            },
            {
              "value": "undefined",
              "descriptions": {
                "ja": "不明",
                "en": "Undefined"
              },
              "edt": "0xFD"
            }
          ]
        }
      },
      "lightLevelStep": {
        "epc": "0xB2",
        "descriptions": {
          "ja": "照明の明るさ段数設定",
          "en": "Light level step setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string"
        },
        "note": {
          "ja": "0x01～設定可能照明の明るさ最大値(暗～明)",
          "en": "From 0x01 to the maximum specifiable light level value (dark to bright)"
        }
      },
      "lightColorLevelStep": {
        "epc": "0xB3",
        "descriptions": {
          "ja": "光色レベル段数設定",
          "en": "Light color step setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string"
```


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```
        },
        "note": {
          "ja": "0x01～設定可能光色レベル最大値(電球色～白色)",
          "en": "From 0x01 to the maximum specifiable light color value (incandescent lamp color to
white)"
        }
      },
      "maximumSpecifiableLevel": {
        "epc": "0xB4",
        "descriptions": {
          "ja": "設定可能レベル最大値",
          "en": "Maximum specifiable values"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "lightLevel": {
              "descriptions": {
                "ja": "1Byte目:照明の明るさ",
                "en": "Byte 1: light level"
              },
              "oneOf": [
                {
                  "type": "number",
                  "minimum": 1,
                  "maximum": 255
                },
                {
                  "type": "string",
                  "enum": [
                    "notLightLevel"
                  ],
                  "values": [
                    {
                      "value": "notLightLevel",
                      "descriptions": {
                        "ja": "機能を搭載していない場合",
                        "en": "When the function is not implemented."
                      },
                      "edt": "0x00"
                    }
                  ]
                }
              ]
            },
            "color": {
              "descriptions": {
                "ja": "2Byte目:光色",
                "en": "Byte 2: light color"
              },
              "oneOf": [
                {
                  "type": "number",
                  "minimum": 1,
                  "maximum": 255
                },
                {
                  "type": "string",
                  "enum": [
                    "notColor"
                  ],
                  "values": [
                    {
```


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```
                    "value": "notColor",
                    "descriptions": {
                      "ja": "機能を搭載していない場合",
                      "en": "When the function is not implemented."
                    },
                    "edt": "0x00"
                  }
                ]
              }
            ]
          }
        }
      }
    },
    "maximumSettableLevelForNightLighting": {
      "epc": "0xB5",
      "descriptions": {
        "ja": "常夜灯設定可能レベル最大値",
        "en": "Maximum value of settable level for night lighting"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "lightLevel": {
            "descriptions": {
              "ja": "1Byte目:照明の明るさ",
              "en": "Byte 1: light level"
            },
            "oneOf": [
              {
                "type": "number",
                "minimum": 1,
                "maximum": 255
              },
              {
                "type": "string",
                "enum": [
                  "notLightLevel"
                ],
                "values": [
                  {
                    "value": "notLightLevel",
                    "descriptions": {
                      "ja": "機能を搭載していない場合",
                      "en": "When the function is not implemented"
                    },
                    "edt": "0x00"
                  }
                ]
              }
            ]
          },
          "color": {
            "descriptions": {
              "ja": "2Byte目:光色",
              "en": "Byte 2: light color"
            },
            "oneOf": [
              {
                "type": "number",
                "minimum": 1,
                "maximum": 255
              },
```


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```
                {
                  "type": "string",
                  "enum": [
                    "notColor"
                  ],
                  "values": [
                    {
                      "value": "notColor",
                      "descriptions": {
                        "ja": "機能を搭載していない場合",
                        "en": "When the function is not implemented."
                      },
                      "edt": "0x00"
                    }
                  ]
                }
              ]
            }
          }
        }
      },
      "operationMode": {
        "epc": "0xB6",
        "descriptions": {
          "ja": "点灯モード設定",
          "en": "Lighting mode setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "auto",
            "normal",
            "night",
            "color"
          ],
          "values": [
            {
              "value": "auto",
              "descriptions": {
                "ja": "自動",
                "en": "Auto"
              },
              "edt": "0x41"
            },
            {
              "value": "normal",
              "descriptions": {
                "ja": "通常灯",
                "en": "Main lighting"
              },
              "edt": "0x42"
            },
            {
              "value": "night",
              "descriptions": {
                "ja": "常夜灯",
                "en": "Night lighting"
              },
              "edt": "0x43"
            },
            {
              "value": "color",
              "descriptions": {
```


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```
                "ja": "カラー灯",
                "en": "Color lighting"
              },
              "edt": "0x45"
            }
          ]
        }
      },
      "lightLevelForMainLighting": {
        "epc": "0xB7",
        "descriptions": {
          "ja": "通常灯モード時照明の明るさ設定",
          "en": "Light level setting for main lighting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "lightLevelStepForMainLighting": {
        "epc": "0xB8",
        "descriptions": {
          "ja": "通常灯モード時照明の明るさ段数設定",
          "en": "Light level step setting for main lighting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string"
        },
        "note": {
          "ja": "0x01～設定可能照明の明るさ最大値(暗～明)",
          "en": "Light level step setting for night lighting (dark to bright)"
        }
      },
      "lightLevelForNightLighting": {
        "epc": "0xB9",
        "descriptions": {
          "ja": "常夜灯モード時照明の明るさ設定",
          "en": "Light level setting for night lighting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        },
        "note": {
          "ja": "0x00-0x64",
          "en": "0x00-0x64"
        }
      },
      "lightLevelStepForNightLighting": {
        "epc": "0xBA",
        "descriptions": {
          "ja": "常夜灯モード時照明の明るさ段数設定",
          "en": "Light level step setting for night lighting"
        },
        "writable": true,
```


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```
        "observable": false,
        "schema": {
          "type": "string"
        },
        "note": {
          "ja": "0x01～設定可能照明の明るさ最大値(暗～明)",
          "en": "0x01 to the maximum value of settable light level (dark to bright)"
        }
      },
      "lightColorForMainLighting": {
        "epc": "0xBB",
        "descriptions": {
          "ja": "通常灯モード時光色設定",
          "en": "Light color setting for main lighting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "incandescent",
            "white",
            "daylightWhite",
            "daylightColor",
            "other"
          ],
          "values": [
            {
              "value": "incandescent",
              "descriptions": {
                "ja": "電球色",
                "en": "Incandescent lamp color"
              },
              "edt": "0x41"
            },
            {
              "value": "white",
              "descriptions": {
                "ja": "白色",
                "en": "White"
              },
              "edt": "0x42"
            },
            {
              "value": "daylightWhite",
              "descriptions": {
                "ja": "昼白色",
                "en": "Daylight white"
              },
              "edt": "0x43"
            },
            {
              "value": "daylightColor",
              "descriptions": {
                "ja": "昼光色",
                "en": "Daylight color"
              },
              "edt": "0x44"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
```


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```
            "edt": "0x40"
          }
        ]
      }
    },
    "lightColorLevelStepForMainLighting": {
      "epc": "0xBC",
      "descriptions": {
        "ja": "通常灯モード時光色レベル段数設定",
        "en": "Light color level step setting for main lighting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string"
      },
      "note": {
        "ja": "0x01～設定可能光色レベル最大値(電球色～白色)",
        "en": "0x01 to the maximum value of settable light color level (incandescent lamp color to
white)"
      }
    },
    "lightColorLevelForNightLighting": {
      "epc": "0xBD",
      "descriptions": {
        "ja": "常夜灯モード時光色設定",
        "en": "Light color setting for night lighting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "incandescent",
          "white",
          "daylightWhite",
          "daylightColor",
          "other"
        ],
        "values": [
          {
            "value": "incandescent",
            "descriptions": {
              "ja": "電球色",
              "en": "Incandescent lamp color"
            },
            "edt": "0x41"
          },
          {
            "value": "white",
            "descriptions": {
              "ja": "白色",
              "en": "White"
            },
            "edt": "0x42"
          },
          {
            "value": "daylightWhite",
            "descriptions": {
              "ja": "昼白色",
              "en": "Daylight white"
            },
            "edt": "0x43"
          },
          {
```


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```
              "value": "daylightColor",
              "descriptions": {
                "ja": "昼光色",
                "en": "Daylight color"
              },
              "edt": "0x44"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "lightColorLevelStepForNightLighting": {
        "epc": "0xBE",
        "descriptions": {
          "ja": "常夜灯モード時光色レベル段数設定",
          "en": "Light color level step setting for night lighting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string"
        },
        "note": {
          "ja": "0x01～設定可能光色レベル最大値(電球色～白色)",
          "en": "0x01 to the maximum value of settable light color level (incandescent lamp color to
white)"
        }
      },
      "autoMode": {
        "epc": "0xBF",
        "descriptions": {
          "ja": "自動モード時点灯モード状態",
          "en": "Lighting mode status in auto mode"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "normal",
            "night",
            "off",
            "color"
          ],
          "values": [
            {
              "value": "normal",
              "descriptions": {
                "ja": "通常灯",
                "en": "Main lighting"
              },
              "edt": "0x42"
            },
            {
              "value": "night",
              "descriptions": {
                "ja": "常夜灯",
                "en": "Night lighting"
```


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```
            },
            "edt": "0x43"
          },
          {
            "value": "off",
            "descriptions": {
              "ja": "消灯",
              "en": "Off"
            },
            "edt": "0x44"
          },
          {
            "value": "color",
            "descriptions": {
              "ja": "カラー灯",
              "en": "Color lighting"
            },
            "edt": "0x45"
          }
        ]
      }
    },
    "rgb": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "カラー灯モード時RGB設定",
        "en": "RGB setting for color lighting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "red": {
            "descriptions": {
              "ja": "1Byte目:R",
              "en": "Byte 1: R"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 255,
            "multipleOf": 1
          },
          "green": {
            "descriptions": {
              "ja": "2Byte目:G",
              "en": "Byte 2: G"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 255,
            "multipleOf": 1
          },
          "blue": {
            "descriptions": {
              "ja": "3Byte目:B",
              "en": "Byte 3: B"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 255,
            "multipleOf": 1
          }
        }
      }
```


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```
      }
    }
  }
```


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単機能照明:monoFunctionalLighting:0x0291

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
lightLevel	GET, PUT	number	0xB0	照明の明るさ設定 Light level Setting	

Device Description

```
{
  "deviceType": "monoFunctionalLighting",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0291",
  "descriptions": {
    "ja": "単機能照明",
    "en": "Mono functional lighting"
  },
  "properties": {
    "lightLevel": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "照明の明るさ設定",
        "en": "Light level Setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
      }
    }
  }
}
```


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電気自動車充電器:evCharger:0x02A1

List of Devicesに戻る

Note to Server:

ECHONET LiteのProperty「車両接続・充電可否状態（EPC=0xC7）」は、ECHONET Liteでデータを GETする前に「車両接続確認（EPC=0xCD)」をSETする必要がある。サーバがECHONET Lite Web APIでGET:chargeStatusを受信した場合、サーバはECHONET Liteで「車両接続確認」をSETしたのち「車両接続・充電可否状態」をGETする。

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
ratedChargeElectricPower	GET	number	0xC5	定格充電能力 Rated charge capacity	
chargeStatus	GET	string	0xC7	車両接続・充電可否状態 Vehicle connection and chargeable status	
minimumAndMaximumChargingElectricPower	GET	object	0xC8	最小最大充電電力値 Minimum/maximum charging electric energy	
minimumAndMaximumChargingCurrent	GET	object	0xCA	最小最大充電電流値 Minimum/maximum charging electric current	
equipmentType	GET	string	0xCC	充電器タイプ Charger type	
chargeableCapacity	GET	number	0xCE	車載電池の充電可能容量値 Chargeable capacity of vehicle mounted battery	
remainingChargeableCapacity	GET	number	0xCF	車載電池の充電可能残容量値 Remaining chargeable capacity of vehicle mounted battery	
usedCapacity1	GET	number	0xD0	車載電池の使用容量値1 Used capacity of vehicle mounted battery 1	
ratedVoltage	GET	number	0xD2	定格電圧 Rated voltage	
instantaneousElectricPower	GET	number	0xD3	瞬時充電電力計測値 Measured instantaneous charging electric energy	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
cumulativeChargingElectricEnergy	GET	number	0xD8	積算充電電力量計測値 Measured cumulative amount of charging electric energy	
operationMode	GET, PUT	string	0xDA	運転モード設定 Operation mode setting	
remainingCapacity1	GET	number	0xE2	車載電池の電池残容量1 Remaining stored electricity of vehicle mounted battery1	
remainingCapacity3	GET	number	0xE4	車載電池の電池残容量3 Remaining stored electricity of vehicle mounted battery3	
vehicleId	GET	string	0xE6	車両ID Vehicle ID	
targetChargingElectricEnergy	GET, PUT	number	0xE7	充電量設定値 Charging amount setting	
chargingElectricPower	GET, PUT	number	0xEB	充電電力設定値 Charging electric energy setting	
chargingCurrent	GET, PUT	number	0xED	充電電流設定値 Charging current setting	

Actions

Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
resetCumulativeChargingElectricEnergy	POST	0xD9	積算充電電力量リセット設定 Cumulative amount of charging electric energy reset setting	

Device Description

```
{
  "deviceType": "evCharger",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x02A1",
  "descriptions": {
    "ja": "電気自動車充電器",
    "en": "EV Charger"
  },
  "properties": {
    "ratedChargeElectricPower": {
      "epc": "0xC5",
```


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```
        "descriptions": {
          "ja": "定格充電能力",
          "en": "Rated charge capacity"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "chargeStatus": {
        "epc": "0xC7",
        "epcAtomic": "0xCD",
        "descriptions": {
          "ja": "車両接続・充電可否状態",
          "en": "Vehicle connection and chargeable status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "undefined",
            "notConnected",
            "notChargeable",
            "chargeable",
            "unknown"
          ],
          "values": [
            {
              "value": "undefined",
              "descriptions": {
                "ja": "不定",
                "en": "Undefined"
              },
              "edt": "0xFF"
            },
            {
              "value": "notConnected",
              "descriptions": {
                "ja": "車両未接続",
                "en": "Not connected"
              },
              "edt": "0x30"
            },
            {
              "value": "notChargeable",
              "descriptions": {
                "ja": "車両接続・充電不可",
                "en": "Not chargeable"
              },
              "edt": "0x40"
            },
            {
              "value": "chargeable",
              "descriptions": {
                "ja": "車両接続・充電可",
                "en": "Chargeable"
              },
              "edt": "0x41"
            },
            {
```


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```
            "value": "unknown",
            "descriptions": {
              "ja": "車両接続・充電可否不明",
              "en": "Unknown"
            },
            "edt": "0x44"
          }
        ]
      },
      "note": {
        "ja": "Atomic operation with EPC=0xCD",
        "en": "Atomic operation with EPC=0xCD"
      }
    },
    "minimumAndMaximumChargingElectricPower": {
      "epc": "0xC8",
      "descriptions": {
        "ja": "最小最大充電電力値",
        "en": "Minimum/maximum charging electric energy"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "minimumElectricPower": {
            "descriptions": {
              "ja": "最小充電電力値",
              "en": "Minimum charging electric energy"
            },
            "type": "number",
            "unit": "W",
            "minimum": 0,
            "maximum": 999999999
          },
          "maximumElectricPower": {
            "descriptions": {
              "ja": "最大充電電力値",
              "en": "Maximum charging electric energy"
            },
            "type": "number",
            "unit": "W",
            "minimum": 0,
            "maximum": 999999999
          }
        }
      }
    },
    "minimumAndMaximumChargingCurrent": {
      "epc": "0xCA",
      "descriptions": {
        "ja": "最小最大充電電流値",
        "en": "Minimum/maximum charging electric current"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "minimumCurrent": {
            "descriptions": {
              "ja": "最小充電電流値",
              "en": "Minimum charging current"
            },
            "type": "number",
```


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```
            "unit": "A",
            "minimum": 0,
            "maximum": 3276.6,
            "multipleOf": 0.1
          },
          "maximumCurrent": {
            "descriptions": {
              "ja": "最大充電電流値",
              "en": "Maximum charging current"
            },
            "type": "number",
            "unit": "A",
            "minimum": 0,
            "maximum": 3276.6,
            "multipleOf": 0.1
          }
        }
      }
    },
    "equipmentType": {
      "epc": "0xCC",
      "descriptions": {
        "ja": "充電器タイプ",
        "en": "Charger type"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "ac_no_communication",
          "ac_cplt",
          "ac_hlc_charge",
          "dc_aa_charge",
          "dc_bb_charge",
          "dc_ee_charge",
          "dc_ff_charge"
        ],
        "values": [
          {
            "value": "ac_no_communication",
            "descriptions": {
              "ja": "AC_通信無し",
              "en": "AC_NO_COMMUNICATION"
            },
            "edt": "0x10"
          },
          {
            "value": "ac_cplt",
            "descriptions": {
              "ja": "AC_CPLT",
              "en": "AC_CPLT"
            },
            "edt": "0x11"
          },
          {
            "value": "ac_hlc_charge",
            "descriptions": {
              "ja": "AC_HLC (充電のみ)",
              "en": "AC_HLC_Charge"
            },
            "edt": "0x12"
          },
          {
            "value": "dc_aa_charge",
```


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```
            "descriptions": {
              "ja": "DCタイプ_AA (充電のみ)",
              "en": "DC_AA_Charge"
            },
            "edt": "0x21"
          },
          {
            "value": "dc_bb_charge",
            "descriptions": {
              "ja": "DCタイプ_BB (充電のみ)",
              "en": "DC_BB_Charge"
            },
            "edt": "0x31"
          },
          {
            "value": "dc_ee_charge",
            "descriptions": {
              "ja": "DCタイプ_EE (充電のみ)",
              "en": "DC_EE_Charge"
            },
            "edt": "0x41"
          },
          {
            "value": "dc_ff_charge",
            "descriptions": {
              "ja": "DCタイプ_FF (充電のみ)",
              "en": "DC_FF_Charge"
            },
            "edt": "0x51"
          }
        ]
      }
    },
    "chargeableCapacity": {
      "epc": "0xCE",
      "descriptions": {
        "ja": "車載電池の充電可能容量値",
        "en": "Chargeable capacity of vehicle mounted battery"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      }
    },
    "remainingChargeableCapacity": {
      "epc": "0xCF",
      "descriptions": {
        "ja": "車載電池の充電可能残容量値",
        "en": "Remaining chargeable capacity of vehicle mounted battery"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      }
    },
    "usedCapacity1": {
      "epc": "0xD0",
```


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```
        "descriptions": {
          "ja": "車載電池の使用容量値1",
          "en": "Used capacity of vehicle mounted battery 1"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "ratedVoltage": {
        "epc": "0xD2",
        "descriptions": {
          "ja": "定格電圧",
          "en": "Rated voltage"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "V",
          "minimum": 0,
          "maximum": 32766
        }
      },
      "instantaneousElectricPower": {
        "epc": "0xD3",
        "descriptions": {
          "ja": "瞬時充電電力計測値",
          "en": "Measured instantaneous charging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "cumulativeChargingElectricEnergy": {
        "epc": "0xD8",
        "descriptions": {
          "ja": "積算充電電力量計測値",
          "en": "Measured cumulative amount of charging electric energy"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0,
          "maximum": 999999.999,
          "multipleOf": 0.001
        }
      },
      "operationMode": {
        "epc": "0xDA",
        "descriptions": {
          "ja": "運転モード設定",
          "en": "Operation mode setting"
        },
```


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```
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "charge",
            "standby",
            "idle",
            "other"
          ],
          "values": [
            {
              "value": "charge",
              "descriptions": {
                "ja": "充電",
                "en": "Charge"
              },
              "edt": "0x42"
            },
            {
              "value": "standby",
              "descriptions": {
                "ja": "待機",
                "en": "Standby"
              },
              "edt": "0x44"
            },
            {
              "value": "idle",
              "descriptions": {
                "ja": "停止",
                "en": "Idle"
              },
              "edt": "0x47"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "remainingCapacity1": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "車載電池の電池残容量1",
          "en": "Remaining stored electricity of vehicle mounted battery1"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "remainingCapacity3": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "車載電池の電池残容量3",
```


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```
          "en": "Remaining stored electricity of vehicle mounted battery3"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "vehicleId": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "車両ID",
          "en": "Vehicle ID"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string"
        }
      },
      "targetChargingElectricEnergy": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "充電量設定値",
          "en": "Charging amount setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Wh",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "chargingElectricPower": {
        "epc": "0xEB",
        "descriptions": {
          "ja": "充電電力設定値",
          "en": "Charging electric energy setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "chargingCurrent": {
        "epc": "0xED",
        "descriptions": {
          "ja": "充電電流設定値",
          "en": "Charging current setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "A",
          "minimum": 0,
```


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```
          "maximum": 6553.3,
          "multipleOf": 0.1
        }
      }
    },
    "actions": {
      "resetCumulativeChargingElectricEnergy": {
        "epc": "0xD9",
        "descriptions": {
          "ja": "積算充電電力量リセット設定",
          "en": "Cumulative amount of charging electric energy reset setting"
        },
        "schema": {},
        "note": {
          "ja": "ECHONET LiteではSet only property",
          "en": "Access rule of the corresponding ECHONET Lite property is Set only."
        }
      }
    }
  }
```


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照明システム:lightingSystem:0x02A3

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
lightLevel	GET, PUT	number	0xB0	照明の明るさ設定 Light level setting	
sceneId	GET, PUT	number, string	0xC0	シーン制御設定 Scene control setting	
maximumNumberOfSceneId	GET	number	0xC1	シーン制御設定可能数 Number that can assign scene control setting	

Device Description

```
{
  "deviceType": "lightingSystem",
  "metaData": {
    "version": "1.4.1"
  },
  "eoj": "0x02A3",
  "descriptions": {
    "ja": "照明システム",
    "en": "Lighting system"
  },
  "properties": {
    "lightLevel": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "照明の明るさ設定",
        "en": "Light level setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
      }
    },
    "sceneId": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "シーン制御設定",
        "en": "Scene control setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "number",
            "minimum": 1,
```


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```
              "maximum": 253
            },
            {
              "type": "string",
              "enum": [
                "noSetting"
              ],
              "values": [
                {
                  "value": "noSetting",
                  "descriptions": {
                    "ja": "設定なし",
                    "en": "No setting"
                  },
                  "edt": "0x00"
                }
              ]
            }
          ]
        }
      },
      "maximumNumberOfSceneId": {
        "epc": "0xC1",
        "descriptions": {
          "ja": "シーン制御設定可能数",
          "en": "Number that can assign scene control setting"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 0,
          "maximum": 253
        }
      }
    }
  }
```


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拡張照明システム:enhancedLightingSystem:0x02A4

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
lightLevel	GET, PUT	number	0xB0	照明の明るさ設定 Light level setting	
sceneId	GET, PUT	number, string	0xC0	シーン制御設定 Scene control setting	
maximumNumberOfSceneId	GET	number	0xC1	シーン制御設定可能数 Number that can assign scene control setting.	
powerConsumptionRateList	GET	array	0xC2	電力消費率リスト Power consumption rate list	
powerConsumptionAtFullLighting	GET	number	0xC3	全灯時消費電力 Power consumption when fully lighted	
powerConsumptionWillBeSaved	GET	number	0xC4	節電可能消費電力 Possible power savings	
powerConsumptionLimit	GET, PUT	number, string	0xC5	消費電力制限設定 Power consumption limit setting	
automaticOperationControlling	GET, PUT	boolean	0xC6	自動動作制御設定 Automatic operation controlling setting	
fadingControlChangeTime	GET, PUT	number	0xC7	フェード制御変化時間設定 Fading control change time setting	

Device Description

```
{
  "deviceType": "enhancedLightingSystem",
  "metaData": {
    "version": "1.4.1"
  },
  "eoj": "0x02A4",
  "descriptions": {
    "ja": "拡張照明システム",
    "en": "Extended lighting system"
  },
  "properties": {
    "lightLevel": {
      "epc": "0xB0",
      "descriptions": {
```


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```
          "ja": "照明の明るさ設定",
          "en": "Light level setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "sceneId": {
        "epc": "0xC0",
        "descriptions": {
          "ja": "シーン制御設定",
          "en": "Scene control setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 253
            },
            {
              "type": "string",
              "enum": [
                "noSetting"
              ],
              "values": [
                {
                  "value": "noSetting",
                  "descriptions": {
                    "ja": "設定なし",
                    "en": "No setting"
                  },
                  "edt": "0x00"
                }
              ]
            }
          ]
        },
        "note": {
          "ja": "最大値は maximumNumberOfSceneId の値",
          "en": "Maximum value is the value of maximumNumberOfSceneId."
        }
      },
      "maximumNumberOfSceneId": {
        "epc": "0xC1",
        "descriptions": {
          "ja": "シーン制御設定可能数",
          "en": "Number that can assign scene control setting."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 253
        }
      },
      "powerConsumptionRateList": {
```


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```
        "epc": "0xC2",
        "descriptions": {
          "ja": "電力消費率リスト",
          "en": "Power consumption rate list"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 1,
          "maxItems": 253,
          "items": {
            "oneOf": [
              {
                "type": "number",
                "unit": "%",
                "minimum": 0,
                "maximum": 100
              },
              {
                "type": "string",
                "enum": [
                  "unknown"
                ],
                "values": [
                  {
                    "value": "unknown",
                    "descriptions": {
                      "ja": "不明",
                      "en": "Unknown"
                    },
                    "edt": "0xFF"
                  }
                ]
              }
            ]
          }
        }
      },
      "powerConsumptionAtFullLighting": {
        "epc": "0xC3",
        "descriptions": {
          "ja": "全灯時消費電力",
          "en": "Power consumption when fully lighted"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "powerConsumptionWillBeSaved": {
        "epc": "0xC4",
        "descriptions": {
          "ja": "節電可能消費電力",
          "en": "Possible power savings"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
```


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```
          "minimum": 0,
          "maximum": 65533
        }
      },
      "powerConsumptionLimit": {
        "epc": "0xC5",
        "descriptions": {
          "ja": "消費電力制限設定",
          "en": "Power consumption limit setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 65533
            },
            {
              "type": "string",
              "enum": [
                "cancel"
              ],
              "values": [
                {
                  "value": "cancel",
                  "descriptions": {
                    "ja": "電力制限解除",
                    "en": "Canceling power consumption restriction"
                  },
                  "edt": "0x0000"
                }
              ]
            }
          ]
        }
      },
      "automaticOperationControlling": {
        "epc": "0xC6",
        "descriptions": {
          "ja": "自動動作制御設定",
          "en": "Automatic operation controlling setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ON",
                "en": "ON"
              },
              "edt": "0x30"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "OFF",
                "en": "OFF"
              },
              "edt": "0x31"
```


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```
            }
          ]
        }
      },
      "fadingControlChangeTime": {
        "epc": "0xC7",
        "descriptions": {
          "ja": "フェード制御変化時間設定",
          "en": "Fading control change time setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "second",
          "minimum": 0,
          "maximum": 3600
        }
      }
    }
  }
```


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マルチ入力PCS:multipleInputPCS:0x02A5

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
powerSystemInterconnectionStatus	GET	string	0xD0	系統連系状態 System interconnection status	
normalDirectionElectricEnergy	GET	number	0xE0	積算電力量計測値(正方向) Measured cumulative amount of electric energy (normal direction)	
reverseDirectionElectricEnergy	GET	number	0xE3	積算電力量計測値(逆方向) Measured cumulative amount of electric energy (reverse direction)	
instantaneousElectricPower	GET	number	0xE7	瞬時電力計測値 Measured instantaneous electric power	
connectedDeviceList	GET	array	0xE8	接続機器リスト List of connected devices	

Device Description


```
{
  "deviceType": "multipleInputPCS",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x02A5",
  "descriptions": {
    "ja": "マルチ入力PCS",
    "en": "Multiple input pcs"
  },
  "properties": {
    "powerSystemInterconnectionStatus": {
      "epc": "0xD0",
      "descriptions": {
        "ja": "系統連系状態",
        "en": "System interconnection status"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "reversePowerFlowAcceptable",
          "independent",
          "reversePowerFlowNotAcceptable"
        ],
        "values": [
          {
            "value": "reversePowerFlowAcceptable",
```


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```
            "descriptions": {
              "ja": "系統連系(逆潮流可)",
              "en": "System-interconnected type (reverse power flow acceptable)"
            },
            "edt": "0x00"
          },
          {
            "value": "independent",
            "descriptions": {
              "ja": "独立",
              "en": "Independent type"
            },
            "edt": "0x01"
          },
          {
            "value": "reversePowerFlowNotAcceptable",
            "descriptions": {
              "ja": "系統連系(逆潮流不可)",
              "en": "System-interconnected type (reverse power flow not acceptable)"
            },
            "edt": "0x02"
          }
        ]
      }
    },
    "normalDirectionElectricEnergy": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "積算電力量計測値(正方向)",
        "en": "Measured cumulative amount of electric energy (normal direction)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "kWh",
        "minimum": 0,
        "maximum": 999999.999,
        "multipleOf": 0.001
      }
    },
    "reverseDirectionElectricEnergy": {
      "epc": "0xE3",
      "descriptions": {
        "ja": "積算電力量計測値(逆方向)",
        "en": "Measured cumulative amount of electric energy (reverse direction)"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "kWh",
        "minimum": 0,
        "maximum": 999999.999,
        "multipleOf": 0.001
      }
    },
    "instantaneousElectricPower": {
      "epc": "0xE7",
      "descriptions": {
        "ja": "瞬時電力計測値",
        "en": "Measured instantaneous electric power"
      },
      "writable": false,
      "observable": false,
```


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```
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": -2147483647,
          "maximum": 2147483645
        }
      },
      "connectedDeviceList": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "接続機器リスト",
          "en": "List of connected devices"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 1,
          "maxItems": 10,
          "items": {
            "type": "string"
          }
        },
        "note": {
          "ja": "接続機器オブジェクト(EOJ 3Byte)のリスト(最大10)",
          "en": "EOJ List of connected devices (max. 10)."
        }
      }
    }
  }
```


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ハイブリッド給湯機:hybridWaterHeater:0x02A6

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称 (EL)	Note
automaticWaterHeating	GET, PUT	string	0xB0	沸き上げ自動設定 Automatic water heating setting	
waterHeatingStatus	GET	boolean	0xB2	給湯沸き上げ中状態 Water heating status	
heaterStatus	GET	boolean	0xB3	暖房沸き上げ中状態 Heater status	
hotWaterSupplyModeForAuxiliaryHeatSourceMachine	GET, PUT	boolean	0xB6	補助熱源機給湯モード設定 Hot water supply mode setting for auxiliary heat source machine	
heaterModeForAuxiliaryHeatSourceMachine	GET, PUT	boolean	0xB7	補助熱源機暖房モード設定 Heater mode setting for auxiliary heat source machine.	
linkageModeForSolarPowerGeneration	GET, PUT	string	0xB8	太陽光発電連携モード設定 Linkage mode setting for solar power generation	
solarPowerGenerationsUtilizationTime	GET, PUT	object	0xB9	太陽光発電利用時間 Solar power generations utilization time	
hotWaterSupplyStatus	GET	boolean	0xC3	給湯中状態 Hot water supply status	
remainingWater	GET	number	0xE1	残湯量計測値 Measured amount of hot water remaining in tank	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称 (EL)	Note
tankCapacity	GET	number	0xE2	タンク容量値 Tank capacity	

Device Description


```
{
  "deviceType": "hybridWaterHeater",
  "metaData": {
    "version": "1.3.0"
  },
  "eoj": "0x02A6",
  "descriptions": {
    "ja": "ハイブリッド給湯機",
    "en": "Hybrid water heater"
  },
  "properties": {
    "automaticWaterHeating": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "沸き上げ自動設定",
        "en": "Automatic water heating setting"
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "string",
        "enum": [
          "auto",
          "manualNotHeating",
          "manualHeating"
        ],
        "values": [
          {
            "value": "auto",
            "descriptions": {
              "ja": "自動沸き上げ",
              "en": "Automatic water heating"
            },
            "edt": "0x41"
          },
          {
            "value": "manualNotHeating",
            "descriptions": {
              "ja": "手動沸き上げ停止",
              "en": "Water heating manual stop"
            },
            "edt": "0x43"
          },
          {
            "value": "manualHeating",
            "descriptions": {
              "ja": "手動沸き上げ",
              "en": "Manual water heating"
            },
            "edt": "0x42"
          }
        ]
      }
    },
```


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```
      "waterHeatingStatus": {
        "epc": "0xB2",
        "descriptions": {
          "ja": "給湯沸き上げ中状態",
          "en": "Water heating status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "沸き上げ中",
                "en": "Water is heating."
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "非沸き上げ中",
                "en": "Water is not heating."
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "heaterStatus": {
        "epc": "0xB3",
        "descriptions": {
          "ja": "暖房沸き上げ中状態",
          "en": "Heater status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "沸き上げ中",
                "en": "Water is heating."
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "非沸き上げ中",
                "en": "Water is not heating."
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "hotWaterSupplyModeForAuxiliaryHeatSourceMachine": {
        "epc": "0xB6",
        "descriptions": {
          "ja": "補助熱源機給湯モード設定",
          "en": "Hot water supply mode setting for auxiliary heat source machine"
```


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```
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "設定する",
                "en": "Set"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "設定しない",
                "en": "No setting"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "heaterModeForAuxiliaryHeatSourceMachine": {
        "epc": "0xB7",
        "descriptions": {
          "ja": "補助熱源機暖房モード設定",
          "en": "Heater mode setting for auxiliary heat source machine."
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "設定する",
                "en": "Set"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "設定しない",
                "en": "No setting"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "linkageModeForSolarPowerGeneration": {
        "epc": "0xB8",
        "descriptions": {
          "ja": "太陽光発電連携モード設定",
          "en": "Linkage mode setting for solar power generation"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
```


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```
          "enum": [
            "modeOff",
            "householdConsumption",
            "prioritizingElectricitySales",
            "economicEfficiency"
          ],
          "values": [
            {
              "value": "modeOff",
              "descriptions": {
                "ja": "モード切",
                "en": "Mode off"
              },
              "edt": "0x41"
            },
            {
              "value": "householdConsumption",
              "descriptions": {
                "ja": "自家消費",
                "en": "Household consumption"
              },
              "edt": "0x42"
            },
            {
              "value": "prioritizingElectricitySales",
              "descriptions": {
                "ja": "売電優先",
                "en": "Prioritizing electricity sales"
              },
              "edt": "0x43"
            },
            {
              "value": "economicEfficiency",
              "descriptions": {
                "ja": "経済",
                "en": "Economic efficiency"
              },
              "edt": "0x44"
            }
          ]
        }
      },
      "solarPowerGenerationsUtilizationTime": {
        "epc": "0xB9",
        "descriptions": {
          "ja": "太陽光発電利用時間",
          "en": "Solar power generations utilization time"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "startTime": {
              "descriptions": {
                "ja": "開始時刻",
                "en": "Start time"
              },
              "type": "string",
              "format": "time"
            },
            "endTime": {
              "descriptions": {
                "ja": "終了時刻",
                "en": "End time"
```


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```
            },
            "type": "string",
            "format": "time"
          }
        }
      },
      "note": {
        "ja": "秒の指定は無視される",
        "en": "Number of seconds is ignored."
      }
    },
    "hotWaterSupplyStatus": {
      "epc": "0xC3",
      "descriptions": {
        "ja": "給湯中状態",
        "en": "Hot water supply status"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "給湯中",
              "en": "Supplying hot water"
            },
            "edt": "0x41"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "非給湯中",
              "en": "Not supplying hot water"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "remainingWater": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "残湯量計測値",
        "en": "Measured amount of hot water remaining in tank"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "L",
        "minimum": 0,
        "maximum": 65533
      }
    },
    "tankCapacity": {
      "epc": "0xE2",
      "descriptions": {
        "ja": "タンク容量値",
        "en": "Tank capacity"
      },
      "writable": false,
      "observable": false,
      "schema": {
```


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```
          "type": "number",
          "unit": "L",
          "minimum": 0,
          "maximum": 65533
        }
      }
    }
  }
```


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周波数制御:frequencyRegulation:0x02A7

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
controlPoint	GET, PUT	string	0xC0	制御ポイント Control point	
frequencyRegulationParameter	GET, PUT	object	0xC1	周波数制御パラメータ設定 Frequency regulation parameter setting	
emTargetPowerValue	GET, PUT	number	0xC2	EM電力目標値 EM target power value	
commandControlParameter	GET, PUT	object	0xC3	指令制御パラメータ設定 Command control parameter setting	
autonomousControlParameter1	GET, PUT	object	0xC4	自端制御パラメータ設定1 Autonomous control parameter setting 1	
autonomousControlParameter2	GET, PUT	object	0xC5	自端制御パラメータ設定2 Autonomous control parameter setting 2	
autonomousControlParameter3	GET, PUT	array	0xC6	自端制御パラメータ設定3 Autonomous control parameter setting 3	
referenceFrequencyCorrectionValue	GET, PUT	number	0xC7	基準周波数補正値 Correction value for reference frequency	
transmittableReceivableCycle	GET	number	0xD0	送受信可能周期 Transmittable/receivable cycle	
deviceType	GET	string	0xD1	機器種別 Device type	
acMaxPower	GET	object	0xD2	最大電力値 Values of AC max power	
contractPower	GET	number	0xD3	契約電力値 Value of contract power	
deviceControlPerformance	GET	object	0xD4	機器制御性能 Device control performance	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
frequencyRegulationInformation	GET	object	0xD5	周波数制御情報 Information of frequency regulation	
informationOnControlContinuation	GET	string	0xD6	制御続行可否詳細情報 Detailed information of whether the device can continue to control	
emInformation	GET	object	0xD7	EM情報 Information of EM	
pcsMeasuredInstantaneousValue	GET	object	0xD8	PCS瞬時計測値 Measured instantaneous values of PCS	
responseInformation	GET	object	0xD9	応動情報 Response information	
powerCapability	GET	object	0xDA	瞬時入出力可能電力値 Instantaneous input and output power capability value	
chargeableDischargeablePower	GET	object	0xDB	瞬時充放電可能電力値 Instantaneous chargeable and dischargeable power values	
batteryStatus	GET	object	0xDC	蓄電池状態 Battery status	
cumulativeEnergy	GET	object	0xDE	積算電力量計測値 Cumulative electric energy measurement values	
cumulativeFrequencyRegulationEnergy	GET	object	0xDF	周波数制御積算電力量計測値 Cumulative electric energy measurement by frequency regulation	
emPlanInformation	GET	object	0xE0	EM計画情報 EM planned information	
emPlan1	GET	array	0xE1	EM計画値1 EM planned value 1	
emPlan2	GET	array	0xE2	EM計画値2 EM planned value 2	
upSupplyPlanInformation	GET	object	0xE3	上げ調整力供出計画情報 Information of supply plan for regulation up	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
upSupplyPlan1	GET	array	0xE4	上げ調整力供出計画値1 Supply plan-1 for regulation up	
upSupplyPlan2	GET	array	0xE5	上げ調整力供出計画値2 Supply plan-2 for regulation up	
downSupplyPlanInformation	GET	object	0xE6	下げ調整力供出計画情報 Information of supply plan for regulation down	
downSupplyPlan1	GET	array	0xE7	下げ調整力供出計画値1 Supply plan-1 for regulation down	
downSupplyPlan2	GET	array	0xE8	下げ調整力供出計画値2 Supply plan-2 for regulation down	

Device Description

```
{
  "deviceType": "frequencyRegulation",
  "metaData": {
    "version": "1.6.0"
  },
  "eoj": "0x02A7",
  "descriptions": {
    "ja": "周波数制御",
    "en": "Frequency regulation"
  },
  "properties": {
    "controlPoint": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "制御ポイント",
        "en": "Control point"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "devicePoint",
          "powerReceivingPoint"
        ],
        "values": [
          {
            "value": "devicePoint",
            "descriptions": {
              "ja": "機器点",
              "en": "Device point"
            },
            "edt": "0x30"
          },
          {
            "value": "powerReceivingPoint",
```


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```
            "descriptions": {
              "ja": "受電点",
              "en": "Power receiving point"
            },
            "edt": "0x31"
          }
        ]
      }
    },
    "frequencyRegulationParameter": {
      "epc": "0xC1",
      "descriptions": {
        "ja": "周波数制御パラメータ設定",
        "en": "Frequency regulation parameter setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "frequencyRegulationMode": {
            "descriptions": {
              "ja": "周波数制御モード",
              "en": "frequency regulation mode"
            },
            "type": "object",
            "properties": {
              "commandControl": {
                "descriptions": {
                  "ja": "指令制御",
                  "en": "Command control"
                },
                "type": "boolean",
                "values": [
                  {
                    "value": true,
                    "descriptions": {
                      "ja": "制御有り",
                      "en": "With control"
                    },
                    "edt": "0x01"
                  },
                  {
                    "value": false,
                    "descriptions": {
                      "ja": "制御無し",
                      "en": "Without control"
                    },
                    "edt": "0x00"
                  }
                ]
              },
              "autonomousControl": {
                "descriptions": {
                  "ja": "自端制御",
                  "en": "Autonomous control"
                },
                "type": "boolean",
                "values": [
                  {
                    "value": true,
                    "descriptions": {
                      "ja": "制御有り",
                      "en": "With control"
                    },
```


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```
                "edt": "0x01"
              },
              {
                "value": false,
                "descriptions": {
                  "ja": "制御無し",
                  "en": "Without control"
                },
                "edt": "0x00"
              }
            ]
          },
          "emPlannedValueControl": {
            "descriptions": {
              "ja": "EM計画値制御",
              "en": "EM planned value control"
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            "type": "boolean",
            "values": [
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                "value": true,
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                  "ja": "制御有り",
                  "en": "With control"
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                "edt": "0x01"
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              {
                "value": false,
                "descriptions": {
                  "ja": "制御無し",
                  "en": "Without control"
                },
                "edt": "0x00"
              }
            ]
          },
          "emTargetValueControl": {
            "descriptions": {
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              "en": "EM target value control"
            },
            "type": "boolean",
            "values": [
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                  "en": "With control"
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                "edt": "0x01"
              },
              {
                "value": false,
                "descriptions": {
                  "ja": "制御無し",
                  "en": "Without control"
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                "edt": "0x00"
              }
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        }
      },
      "noCommunicationWatchdogTimer": {
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            "descriptions": {
              "ja": "無通信監視タイマ",
              "en": "No-communication watchdog timer"
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            "type": "number",
            "unit": "ms",
            "minimum": 0,
            "maximum": 655350,
            "multipleOf": 10
          }
        }
      },
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        "ja": "周波数制御モードと周波数制御情報は指令制御、自端制御の何れかおよび、EM目標値制御の搭載を必須とする。",
        "en": "Frequency regulation mode in \"Frequency regulation parameter setting\" property and \"Information of frequency regulation\" property are required to install \"EM target value control\" and either \"command control\" or \"autonomous control\"."
      }
    },
    "emTargetPowerValue": {
      "epc": "0xC2",
      "descriptions": {
        "ja": "EM電力目標値",
        "en": "EM target power value"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "W",
        "minimum": -999999999,
        "maximum": 999999999
      }
    },
    "commandControlParameter": {
      "epc": "0xC3",
      "descriptions": {
        "ja": "指令制御パラメータ設定",
        "en": "Command control parameter setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "instructionNo": {
            "descriptions": {
              "ja": "電力指令制御指示No.",
              "en": "Command control instruction number"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 999999999
          },
          "powerValue": {
            "descriptions": {
              "ja": "電力指令値(W)",
              "en": "Power value for the instruction. (W)"
            },
            "type": "number",
            "unit": "W",
            "minimum": -999999999,
            "maximum": 999999999
          }
```


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          }
        },
        "note": {
          "ja": "指令制御機能を有する機器は搭載を必須とする。",
          "en": "Devices with command control functions are mandatory."
        }
      },
      "autonomousControlParameter1": {
        "epc": "0xC4",
        "descriptions": {
          "ja": "自端制御パラメータ設定1",
          "en": "Autonomous control parameter setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "deadBandWidthPlus": {
              "descriptions": {
                "ja": "不感帯幅(プラス側)(mHz)",
                "en": "Width of dead band. (Plus side) (mHz)"
              },
              "type": "number",
              "unit": "mHz",
              "minimum": 0,
              "maximum": 1000
            },
            "deadBandWidthMinus": {
              "descriptions": {
                "ja": "不感帯幅(マイナス側)(mHz)",
                "en": "Width of dead band. (Minus side) (mHz)"
              },
              "type": "number",
              "unit": "mHz",
              "minimum": 0,
              "maximum": 1000
            },
            "powerControlRateNormal": {
              "descriptions": {
                "ja": "電力変化率(順方向)(W/mHz)",
                "en": "Rate of power control.  (Normal direction) (W/mHz)"
              },
              "type": "number",
              "unit": "W/mHz",
              "minimum": 0,
              "maximum": 999999999
            },
            "powerControlRateReverse": {
              "descriptions": {
                "ja": "電力変化率(逆方向)(W/mHz)",
                "en": "Rate of power control.  (Reverse direction) (W/mHz)"
              },
              "type": "number",
              "unit": "W/mHz",
              "minimum": 0,
              "maximum": 999999999
            },
            "powerUpperLimitNormal": {
              "descriptions": {
                "ja": "自端制御電力上限値(順方向)(W)",
                "en": "Power upper limit for autonomous control. (Normal direction) (W)"
              },
              "type": "number",
              "unit": "W",
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            "minimum": 0,
            "maximum": 999999999
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          "powerUpperLimitReverse": {
            "descriptions": {
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              "en": "Power upper limit for autonomous control. (Reverse direction) (W)"
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            "type": "number",
            "unit": "W",
            "minimum": 0,
            "maximum": 999999999
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          "abnormalFrequencyDeviationThreshold (mHz)": {
            "descriptions": {
              "ja": "異常周波数偏差閾値(mHz)",
              "en": "Abnormal frequency deviation threshold (mHz)"
            },
            "type": "number",
            "unit": "mHz",
            "minimum": 0,
            "maximum": 1000
          }
        }
      },
      "note": {
        "ja": "自端制御機能を有する機器は搭載を必須とする",
        "en": "Devices with autonomous control functions are mandatory."
      }
    },
    "autonomousControlParameter2": {
      "epc": "0xC5",
      "descriptions": {
        "ja": "自端制御パラメータ設定2",
        "en": "Autonomous control parameter setting 2"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "timeConstantLpf": {
            "descriptions": {
              "ja": "フィルタ時定数(LPF)",
              "en": "Time constant for filter. (LPF)"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 65535
          },
          "timeConstantHpf": {
            "descriptions": {
              "ja": "フィルタ時定数(HPF)",
              "en": "Time constant for filter. (HPF)"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 65535
          },
          "pIControlProportionalGain": {
            "descriptions": {
              "ja": "PI制御係数(比例ゲイン)",
              "en": "PI control coefficient. (Proportional gain)"
            },
            "type": "number",
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            "minimum": 0,
            "maximum": 65535
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          "pIControlIntegralGain": {
            "descriptions": {
              "ja": "PI制御係数(積分ゲイン)",
              "en": "PI control coefficient. (Integral gain)"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 65535
          },
          "rateLimiterNormal": {
            "descriptions": {
              "ja": "レートリミッタ(順方向)(W/sec)",
              "en": "Rate limiter. (Normal direction) (W/sec)"
            },
            "type": "number",
            "unit": "W/sec",
            "minimum": 0,
            "maximum": 999999999
          },
          "rateLimiterReverse": {
            "descriptions": {
              "ja": "レートリミッタ(逆方向)(W/sec)",
              "en": "Rate limiter. (Reverse direction) (W/sec)"
            },
            "type": "number",
            "unit": "W/sec",
            "minimum": 0,
            "maximum": 999999999
          }
        }
      }
    },
    "autonomousControlParameter3": {
      "epc": "0xC6",
      "descriptions": {
        "ja": "自端制御パラメータ設定3",
        "en": "Autonomous control parameter setting 3"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 5,
        "maxItems": 5,
        "items": {
          "type": "object",
          "properties": {
            "powerBeforeCorrection": {
              "descriptions": {
                "ja": "補正前自端制御電力(W)",
                "en": "Autonomous control power before correction"
              },
              "type": "number",
              "unit": "W",
              "minimum": -999999999,
              "maximum": 999999999
            },
            "powerAfterCorrection": {
              "descriptions": {
                "ja": "補正後自端制御電力(W)",
                "en": "Autonomous control power after correction"
              },
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                "type": "number",
                "unit": "W",
                "minimum": -999999999,
                "maximum": 999999999
              }
            }
          }
        }
      },
      "referenceFrequencyCorrectionValue": {
        "epc": "0xC7",
        "descriptions": {
          "ja": "基準周波数補正値",
          "en": "Correction value for reference frequency"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "mHz",
          "minimum": -100,
          "maximum": 100
        }
      },
      "transmittableReceivableCycle": {
        "epc": "0xD0",
        "descriptions": {
          "ja": "送受信可能周期",
          "en": "Transmittable/receivable cycle"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "ms",
          "minimum": 0,
          "maximum": 655350,
          "multipleOf": 10
        }
      },
      "deviceType": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "機器種別",
          "en": "Device type"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string"
        }
      },
      "acMaxPower": {
        "epc": "0xD2",
        "descriptions": {
          "ja": "最大電力値",
          "en": "Values of AC max power"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "input": {
              "descriptions": {
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                "ja": "最大入力電力値",
                "en": "Maximum input power"
              },
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            },
            "output": {
              "descriptions": {
                "ja": "最大出力電力値",
                "en": "Maximum output power"
              },
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            }
          }
        }
      },
      "contractPower": {
        "epc": "0xD3",
        "descriptions": {
          "ja": "契約電力値",
          "en": "Value of contract power"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        }
      },
      "deviceControlPerformance": {
        "epc": "0xD4",
        "descriptions": {
          "ja": "機器制御性能",
          "en": "Device control performance"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "deadBandWidthUpperLimit": {
              "descriptions": {
                "ja": "不感帯幅上限値(mHz)",
                "en": "Upper limit of dead band width. (mHz)"
              },
              "type": "number",
              "unit": "mHz",
              "minimum": 0,
              "maximum": 1000
            },
            "deadBandWidthLowerLimit": {
              "descriptions": {
                "ja": "不感帯幅下限値(mHz)",
                "en": "Lower limit of dead band width. (mHz)"
              },
              "type": "number",
              "unit": "mHz",
              "minimum": 0,
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```
            "maximum": 1000
          },
          "powerChangeRateUpperLimit": {
            "descriptions": {
              "ja": "電力変化率上限値(W/mHz)",
              "en": "Upper limit of power change rate. (W/mHz)"
            },
            "type": "number",
            "unit": "W/mHz",
            "minimum": 0,
            "maximum": 999999999
          },
          "powerChangeRateLowerLimit": {
            "descriptions": {
              "ja": "電力変化率下限値(W/mHz)",
              "en": "Lower limit of power change rate. (W/mHz)"
            },
            "type": "number",
            "unit": "W/mHz",
            "minimum": 0,
            "maximum": 999999999
          },
          "powerChangeSpeedUpperLimit": {
            "descriptions": {
              "ja": "電力変化速度上限値(W/sec)",
              "en": "Upper limit of power change speed. (W/sec)"
            },
            "type": "number",
            "unit": "W/sec",
            "minimum": 0,
            "maximum": 999999999
          },
          "powerChangeSpeedLowerLimit": {
            "descriptions": {
              "ja": "電力変化速度下限値(W/sec)",
              "en": "Lower limit of power change speed. (W/sec)"
            },
            "type": "number",
            "unit": "W/sec",
            "minimum": 0,
            "maximum": 999999999
          }
        }
      },
      "note": {
        "ja": "自端制御機能を有する機器は搭載を必須とする。",
        "en": "Devices with autonomous control functions are mandatory."
      }
    },
    "frequencyRegulationInformation": {
      "epc": "0xD5",
      "descriptions": {
        "ja": "周波数制御情報",
        "en": "Information of frequency regulation"
      },
      "writable": false,
      "observable": true,
      "schema": {
        "type": "object",
        "properties": {
          "possibilityToParticipate": {
            "descriptions": {
              "ja": "周波数調整サービスへの参加可否",
              "en": "Possibility to participate in the frequency regulation service."
            },
```


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```
            "type": "object",
            "properties": {
              "commandControl": {
                "descriptions": {
                  "ja": "指令制御",
                  "en": "Command control"
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                "type": "string",
                "enum": [
                  "impossible",
                  "possible"
                ],
                "values": [
                  {
                    "value": "impossible",
                    "descriptions": {
                      "ja": "参加不可",
                      "en": "Non participation"
                    },
                    "edt": "0x00"
                  },
                  {
                    "value": "possible",
                    "descriptions": {
                      "ja": "参加可能",
                      "en": "Participation is possible"
                    },
                    "edt": "0x01"
                  }
                ]
              },
              "autonomousControl": {
                "descriptions": {
                  "ja": "自端制御",
                  "en": "Autonomous control"
                },
                "type": "string",
                "enum": [
                  "impossible",
                  "possible"
                ],
                "values": [
                  {
                    "value": "impossible",
                    "descriptions": {
                      "ja": "参加不可",
                      "en": "Non participation"
                    },
                    "edt": "0x00"
                  },
                  {
                    "value": "possible",
                    "descriptions": {
                      "ja": "参加可能",
                      "en": "Participation is possible"
                    },
                    "edt": "0x01"
                  }
                ]
              },
              "emPlannedValueControl": {
                "descriptions": {
                  "ja": "EM計画値制御",
                  "en": "EM planned value control"
                },
```


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                "type": "string",
                "enum": [
                  "impossible",
                  "possible"
                ],
                "values": [
                  {
                    "value": "impossible",
                    "descriptions": {
                      "ja": "参加不可",
                      "en": "Non participation"
                    },
                    "edt": "0x00"
                  },
                  {
                    "value": "possible",
                    "descriptions": {
                      "ja": "参加可能",
                      "en": "Participation is possible"
                    },
                    "edt": "0x01"
                  }
                ]
              },
              "emTargetValueControl": {
                "descriptions": {
                  "ja": "EM目標値制御",
                  "en": "EM target value control"
                },
                "type": "string",
                "enum": [
                  "impossible",
                  "possible"
                ],
                "values": [
                  {
                    "value": "impossible",
                    "descriptions": {
                      "ja": "参加不可",
                      "en": "Non participation"
                    },
                    "edt": "0x00"
                  },
                  {
                    "value": "possible",
                    "descriptions": {
                      "ja": "参加可能",
                      "en": "Participation is possible"
                    },
                    "edt": "0x01"
                  }
                ]
              }
            }
          },
          "frequencyRegulationStatus": {
            "descriptions": {
              "ja": "周波数制御状態",
              "en": "frequency regulation status."
            },
            "type": "object",
            "properties": {
              "commandControl": {
                "descriptions": {
                  "ja": "指令制御",
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```
                "en": "Command control"
              },
              "type": "boolean",
              "values": [
                {
                  "value": true,
                  "descriptions": {
                    "ja": "制御有り",
                    "en": "With control"
                  },
                  "edt": "0x01"
                },
                {
                  "value": false,
                  "descriptions": {
                    "ja": "制御無し",
                    "en": "Without control"
                  },
                  "edt": "0x00"
                }
              ]
            },
            "autonomousControl": {
              "descriptions": {
                "ja": "自端制御",
                "en": "Autonomous control"
              },
              "type": "boolean",
              "values": [
                {
                  "value": true,
                  "descriptions": {
                    "ja": "制御有り",
                    "en": "With control"
                  },
                  "edt": "0x01"
                },
                {
                  "value": false,
                  "descriptions": {
                    "ja": "制御無し",
                    "en": "Without control"
                  },
                  "edt": "0x00"
                }
              ]
            },
            "emPlannedValueControl": {
              "descriptions": {
                "ja": "EM計画値制御",
                "en": "EM planned value control"
              },
              "type": "boolean",
              "values": [
                {
                  "value": true,
                  "descriptions": {
                    "ja": "制御有り",
                    "en": "With control"
                  },
                  "edt": "0x01"
                },
                {
                  "value": false,
                  "descriptions": {
```


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```
                "ja": "制御無し",
                "en": "Without control"
              },
              "edt": "0x00"
            }
          ]
        },
        "emTargetValueControl": {
          "descriptions": {
            "ja": "EM目標値制御",
            "en": "EM target value control"
          },
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "制御有り",
                "en": "With control"
              },
              "edt": "0x01"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "制御無し",
                "en": "Without control"
              },
              "edt": "0x00"
            }
          ]
        },
        "unableToControl": {
          "descriptions": {
            "ja": "制御不可",
            "en": "Unable to control"
          },
          "type": "boolean",
          "values": [
            {
              "value": false,
              "descriptions": {
                "ja": "当該状態ではない",
                "en": "Not in this state"
              },
              "edt": "0x00"
            },
            {
              "value": true,
              "descriptions": {
                "ja": "当該状態である",
                "en": "In this state"
              },
              "edt": "0x01"
            }
          ]
        }
      }
    }
  }
},
"note": {
  "ja": "周波数制御モードと周波数制御情報は指令制御、自端制御の何れかおよび、EM 目標値制御の搭載を必須
とする。",
  "en": "Frequency regulation mode and frequency regulation state must be either command
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```
control or autonomous control, and EM target value control must be installed."
      }
    },
    "informationOnControlContinuation": {
      "epc": "0xD6",
      "descriptions": {
        "ja": "制御続行可否詳細情報",
        "en": "Detailed information of whether the device can continue to control"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string"
      },
      "note": {
        "ja": "上位バイトは制御続行の可否状態を示し、下位バイトは制御制限や継続不可の詳細情報を示す。
APPENDIXの「制御続行可否詳細情報プロパティ」詳細説明参照",
        "en": "The upper byte indicates whether control can be continued or not. The lower byte
indicates detailed information on control restrictions and continuation impossibility. Refer to \"
(18) Detailed information of whether the device can continue to control\" in APPENDIX."
      }
    },
    "emInformation": {
      "epc": "0xD7",
      "descriptions": {
        "ja": "EM情報",
        "en": "Information of EM"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "chargeStartTime": {
            "descriptions": {
              "ja": "充電開始時刻 (HH:MM)",
              "en": "Charge start time in the HH:MM format."
            },
            "oneOf": [
              {
                "type": "string",
                "format": "time"
              },
              {
                "type": "string",
                "enum": [
                  "invalid"
                ],
                "values": [
                  {
                    "value": "invalid",
                    "descriptions": {
                      "ja": "無効値",
                      "en": "Invalid data"
                    },
                    "edt": "0xFFFF"
                  }
                ]
              }
            ]
          },
          "chargeEndTime": {
            "descriptions": {
              "ja": "充電終了時刻 (HH:MM)",
              "en": "Charge end time in the HH:MM format."
```


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```
            },
            "oneOf": [
              {
                "type": "string",
                "format": "time"
              },
              {
                "type": "string",
                "enum": [
                  "invalid"
                ],
                "values": [
                  {
                    "value": "invalid",
                    "descriptions": {
                      "ja": "無効値",
                      "en": "Invalid data"
                    },
                    "edt": "0xFFFF"
                  }
                ]
              }
            ]
          },
          "dischargeStartTime": {
            "descriptions": {
              "ja": "放電開始時刻 (HH:MM)",
              "en": "Discharge start time in the HH:MM format."
            },
            "oneOf": [
              {
                "type": "string",
                "format": "time"
              },
              {
                "type": "string",
                "enum": [
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                "values": [
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                    "descriptions": {
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                      "en": "Invalid data"
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                    "edt": "0xFFFF"
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                ]
              }
            ]
          },
          "dischargeEndTime": {
            "descriptions": {
              "ja": "放電終了時刻 (HH:MM)",
              "en": "Discharge end time in the HH:MM format."
            },
            "oneOf": [
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                }
              ]
            }
          ]
        },
        "dischargeLowerLimit": {
          "descriptions": {
            "ja": "放電下限SOC(%)",
            "en": "SOC of discharge lower limit. (%)"
          },
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        },
        "chargeUpperLimit": {
          "descriptions": {
            "ja": "充電上限SOC(%)",
            "en": "SOC of charge upper limit. (%)"
          },
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        },
        "peakCutPowerThreshold": {
          "descriptions": {
            "ja": "ピークカット電力閾値(W)",
            "en": "Peak cut power threshold. (W)"
          },
          "oneOf": [
            {
              "type": "number",
              "unit": "W",
              "minimum": 0,
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            },
            {
              "type": "string",
              "enum": [
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              ],
              "values": [
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                  "descriptions": {
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                    "en": "invalid value"
                  },
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                }
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          ]
        },
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                "en": "Peak cut electric energy threshold. (Wh)"
              },
              "oneOf": [
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                }
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            },
            "pvSurplusCharging": {
              "descriptions": {
                "ja": "PV余剰充電有無",
                "en": "Existence of PV surplus charging."
              },
              "type": "boolean",
              "values": [
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                  "value": true,
                  "descriptions": {
                    "ja": "有",
                    "en": "YES"
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                  "descriptions": {
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                    "en": "NO"
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                  "edt": "0x42"
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            "pvReversePowerFlow": {
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                "ja": "PV逆潮有無",
                "en": "Existence of PV reverse power flow."
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              "type": "boolean",
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            }
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        "pcsPushUpEffect": {
          "descriptions": {
            "ja": "押し上げ効果有無",
            "en": "Existence of PCS push-up effect."
          },
          "type": "boolean",
          "values": [
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              "descriptions": {
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                "en": "NO"
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        }
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    }
  },
  "pcsMeasuredInstantaneousValue": {
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    "descriptions": {
      "ja": "PCS瞬時計測値",
      "en": "Measured instantaneous values of PCS"
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    "writable": false,
    "observable": false,
    "schema": {
      "type": "object",
      "properties": {
        "frequency": {
          "descriptions": {
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            "en": "Frequency measurement value. (mHz)"
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          "oneOf": [
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              "unit": "mHz",
              "minimum": 0,
              "maximum": 65533
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                        "en": "Invalid data"
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                    }
                  ]
                }
              ]
            },
            "powerAtDevicePoint": {
              "descriptions": {
                "ja": "機器点瞬時電力計測値(W)",
                "en": "Instantaneous power measurement value at device point. (W)"
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              "type": "number",
              "unit": "W",
              "minimum": -999999999,
              "maximum": 999999999
            },
            "powerAtReceivingPoint": {
              "descriptions": {
                "ja": "受電点瞬時電力計測値(W)",
                "en": "Instantaneous power measurement value at power receiving point. (W)"
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              "oneOf": [
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                  "unit": "W",
                  "minimum": -999999999,
                  "maximum": 999999999
                },
                {
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                  ],
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                        "en": "Invalid value"
                      },
                      "edt": "0x7FFFFFFF"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "受電点を制御ポイントとできる機器は、受電点瞬時電力計測値(W)の搭載を必須とし、無効値を許容しな
い。",
          "en": "Devices that can use the power receiving point as a control point must implement the
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instantaneous power measurement value (W) at the power receiving point, and invalid are not
allowed."
      }
    },
    "responseInformation": {
      "epc": "0xD9",
      "descriptions": {
        "ja": "応動情報",
        "en": "Response information"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "acPower": {
            "descriptions": {
              "ja": "AC瞬時電力計測値(W)",
              "en": "AC power measurement. (W)"
            },
            "type": "number",
            "unit": "W",
            "minimum": -999999999,
            "maximum": 999999999
          },
          "emControlPower": {
            "descriptions": {
              "ja": "EM制御電力値(W)",
              "en": "Power value of EM control. (W)"
            },
            "oneOf": [
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                "unit": "W",
                "minimum": -999999999,
                "maximum": 999999999
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                "values": [
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                      "en": "invalid value"
                    },
                    "edt": "0xFFFFFFFF"
                  }
                ]
              }
            ]
          },
          "commandControlPower": {
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              "ja": "指令制御電力値(W)",
              "en": "Power value of command control. (W)"
            },
            "oneOf": [
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                "unit": "W",
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                      "en": "Invalid value"
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                ]
              }
            ]
          },
          "autonomousControlPower": {
            "descriptions": {
              "ja": "自端制御電力値(W)",
              "en": "Power value of autonomous control. (W)"
            },
            "oneOf": [
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                "type": "number",
                "unit": "W",
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                "maximum": 999999999
              },
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                      "en": "Invalid value"
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                  }
                ]
              }
            ]
          },
          "instructionNo": {
            "descriptions": {
              "ja": "電力指令制御指示No.",
              "en": "Command control instruction number."
            },
            "oneOf": [
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                "minimum": 0,
                "maximum": 999999999
              },
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                "type": "string",
                "enum": [
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                  }
                ]
              }
            ]
          },
          "frequencyDeviation": {
            "descriptions": {
              "ja": "系統周波数偏差(mHz)",
              "en": "Grid frequency deviation. (mHz)"
            },
            "type": "number",
            "unit": "mHz",
            "minimum": -3000,
            "maximum": 3000
          }
        }
      },
      "note": {
        "ja": "当該する制御を行っていない場合は無効値とする。",
        "en": "If the relevant control is not performed, the value is invalid."
      }
    },
    "powerCapability": {
      "epc": "0xDA",
      "descriptions": {
        "ja": "瞬時入出力可能電力値",
        "en": "Instantaneous input and output power capability value"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "input": {
            "descriptions": {
              "ja": "瞬時入力可能電力値(W)",
              "en": "Instantaneous input power capability value."
            },
            "type": "number",
            "unit": "W",
            "minimum": 0,
            "maximum": 999999999
          },
          "output": {
            "descriptions": {
              "ja": "瞬時出力可能電力値(W)",
              "en": "Instantaneous output power capability value."
            },
            "type": "number",
            "unit": "W",
            "minimum": 0,
            "maximum": 999999999
          }
        }
      }
    },
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      "chargeableDischargeablePower": {
        "epc": "0xDB",
        "descriptions": {
          "ja": "瞬時充放電可能電力値",
          "en": "Instantaneous chargeable and dischargeable power values"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "chargeablePower": {
              "descriptions": {
                "ja": "瞬時充電可能電力値(W)",
                "en": "Instantaneous chargeable power value. (W)"
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              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            },
            "dischargeablePower": {
              "descriptions": {
                "ja": "瞬時放電可能電力値(W)",
                "en": "Instantaneous dischargeable power value. (W)"
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              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 999999999
            }
          }
        }
      },
      "batteryStatus": {
        "epc": "0xDC",
        "descriptions": {
          "ja": "蓄電池状態",
          "en": "Battery status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "chargeableEnergy": {
              "descriptions": {
                "ja": "充電可能電力量(Wh)",
                "en": "Chargeable electric energy value. (AC value) (Wh)"
              },
              "type": "number",
              "unit": "Wh",
              "minimum": 0,
              "maximum": 999999999
            },
            "dischargeableEnergy": {
              "descriptions": {
                "ja": "放電可能電力量(Wh)",
                "en": "Dischargeable electric energy value. (AC value) (Wh)"
              },
              "type": "number",
              "unit": "Wh",
              "minimum": 0,
              "maximum": 999999999
            },
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```
            "storedEnergy": {
              "descriptions": {
                "ja": "蓄電残量(DC値)(Wh)",
                "en": "Remaining stored electricity. (DC value) (Wh)"
              },
              "oneOf": [
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                  "unit": "Wh",
                  "minimum": 0,
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                },
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                  "enum": [
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                  ],
                  "values": [
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                        "en": "invalid value"
                      },
                      "edt": "0xFFFFFFFF"
                    }
                  ]
                }
              ]
            },
            "storedEnergyPercent": {
              "descriptions": {
                "ja": "蓄電残量(%)",
                "en": "Remaining stored electricity. (State of charge) (%)"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "%",
                  "minimum": 0,
                  "maximum": 100
                },
                {
                  "type": "string",
                  "enum": [
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                  ],
                  "values": [
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                      "descriptions": {
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                        "en": "Invalid data"
                      },
                      "edt": "0xFF"
                    }
                  ]
                }
              ]
            },
            "healthState": {
              "descriptions": {
                "ja": "劣化状態(健康状態)(%)",
                "en": "State of Health. (%)"
              },
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```
            "oneOf": [
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                "type": "number",
                "unit": "%",
                "minimum": 0,
                "maximum": 100
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              {
                "type": "string",
                "enum": [
                  "invalid"
                ],
                "values": [
                  {
                    "value": "invalid",
                    "descriptions": {
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                      "en": "Invalid data"
                    },
                    "edt": "0xFF"
                  }
                ]
              }
            ]
          }
        }
      },
      "note": {
        "ja": "充電可能電力量(Wh) 、放電可能電力量(Wh) の搭載を必須とする。また、蓄電残量(DC Wh) と蓄電残
量(%) の何れかの搭載を必須とする。なお、非搭載の値は無効値とする。",
        "en": "It is mandatory to implement chargeable power (Wh) and dischargeable power (Wh). In
addition, it is mandatory to implement either the remaining stored electricity (DC Wh) or the state
of charge (%). And non-implemented values should be treated as invalid values."
      }
    },
    "cumulativeEnergy": {
      "epc": "0xDE",
      "descriptions": {
        "ja": "積算電力量計測値",
        "en": "Cumulative electric energy measurement values"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "inputEnergyAtDevicePoint": {
            "descriptions": {
              "ja": "積算入力電力量計測値(機器点順方向 Wh)",
              "en": "Measured cumulative amount of input electric energy for PCS. (Normal direction
at device point) (Wh)"
            },
            "type": "number",
            "unit": "Wh",
            "minimum": 0,
            "maximum": 999999999
          },
          "outputEnergyAtDevicePoint": {
            "descriptions": {
              "ja": "積算出力電力量計測値(機器点逆方向 Wh)",
              "en": "Measured cumulative amount of output electric energy by PCS. (Reverse direction
at device point) (Wh)"
            },
            "type": "number",
            "unit": "Wh",
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            "minimum": 0,
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          "boughtEnergy": {
            "descriptions": {
              "ja": "積算系統買電電力量計測値(Wh)",
              "en": "Measured cumulative amount of electric energy bought from grid. (Wh)"
            },
            "oneOf": [
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                "type": "number",
                "unit": "Wh",
                "minimum": 0,
                "maximum": 999999999
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                "enum": [
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                    },
                    "edt": "0xFFFFFFFF"
                  }
                ]
              }
            ]
          },
          "soldEnergy": {
            "descriptions": {
              "ja": "積算系統売電電力量計測値(Wh)",
              "en": "Measured cumulative amount of electric energy sold for grid. (Wh)"
            },
            "oneOf": [
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                "type": "number",
                "unit": "Wh",
                "minimum": 0,
                "maximum": 999999999
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                "type": "string",
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                      "en": "invalid value"
                    },
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                  }
                ]
              }
            ]
          },
          "loadEnergy": {
            "descriptions": {
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                "ja": "積算負荷電力量計測(Wh)",
                "en": "Measured cumulative amount of load electric energy. (Wh)"
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              "oneOf": [
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                  "maximum": 999999999
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                  ],
                  "values": [
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                        "en": "invalid value"
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                      "edt": "0xFFFFFFFF"
                    }
                  ]
                }
              ]
            },
            "pvEnergy": {
              "descriptions": {
                "ja": "積算太陽光発電電力量計測値(DC Wh)",
                "en": "Measured cumulative amount of electric energy by PV. (DC value) (Wh)"
              },
              "oneOf": [
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                  "type": "number",
                  "unit": "Wh",
                  "minimum": 0,
                  "maximum": 999999999
                },
                {
                  "type": "string",
                  "enum": [
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                  ],
                  "values": [
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                        "en": "invalid value"
                      },
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                    }
                  ]
                }
              ]
            },
            "chargeEnergy": {
              "descriptions": {
                "ja": "積算充電電力量計測値(DC Wh)",
                "en": "Measured cumulative amount of charge electric energy to battery. (DC value)
(Wh)"
              },
              "oneOf": [
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                        "en": "invalid value"
                      },
                      "edt": "0xFFFFFFFF"
                    }
                  ]
                }
              ]
            },
            "dischargeEnergy": {
              "descriptions": {
                "ja": "積算放電電力量計測値(DC Wh)",
                "en": "Measured cumulative amount of discharge electric energy from battery. (DC
value) (Wh)"
              },
              "oneOf": [
                {
                  "type": "number",
                  "unit": "Wh",
                  "minimum": 0,
                  "maximum": 999999999
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                  "type": "string",
                  "enum": [
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                        "en": "invalid value"
                      },
                      "edt": "0xFFFFFFFF"
                    }
                  ]
                }
              ]
            }
          }
        },
        "note": {
          "ja": "積算入力電力量計測値（機器点順方向 Wh）、積算出力電力量計測値（機器点逆方向 Wh）の搭載を必須
とし、非搭載の値は無効値とする。また、受電点を制御ポイントとできる機器は積算系統買電電力量計測値(Wh)、積算系
統売電電力量計測値(Wh)の搭載を推奨する。",
          "en": "It is mandatory to install the measured cumulative amount of input electric energy
(normal direction at device point) (Wh) and the measured cumulative amount of output electric energy
(reverse direction at device point) (Wh).In addition, it is recommended that devices that can use
the power receiving point as a control point should be equipped with the measured cumulative amount
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of electric energy bought from grid (Wh) and the measured cumulative amount of electric energy sold
to grid (Wh)."
      }
    },
    "cumulativeFrequencyRegulationEnergy": {
      "epc": "0xDF",
      "descriptions": {
        "ja": "周波数制御積算電力量計測値",
        "en": "Cumulative electric energy measurement by frequency regulation"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "emControlEnergy": {
            "descriptions": {
              "ja": "EM制御積算電力量計測値(Wh)",
              "en": "Cumulative electric energy measurement by EM control (Wh)"
            },
            "type": "array",
            "minItems": 4,
            "maxItems": 4,
            "items": {
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              "unit": "Wh",
              "minimum": 0,
              "maximum": 999999999
            }
          },
          "commandControlEnergy": {
            "descriptions": {
              "ja": "指令制御積算電力量計測値(Wh)",
              "en": "Cumulative electric energy measurement by command control (Wh)"
            },
            "type": "array",
            "minItems": 4,
            "maxItems": 4,
            "items": {
              "oneOf": [
                {
                  "type": "number",
                  "unit": "Wh",
                  "minimum": 0,
                  "maximum": 999999999
                },
                {
                  "type": "string",
                  "enum": [
                    "invalid"
                  ],
                  "values": [
                    {
                      "value": "invalid",
                      "descriptions": {
                        "ja": "無効値",
                        "en": "invalid value"
                      },
                      "edt": "0xFFFFFFFF"
                    }
                  ]
                }
              ]
            }
          },
```


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```
            "autonomousControlEnergy": {
              "descriptions": {
                "ja": "自端制御積算電力量計測値(Wh)",
                "en": "Cumulative electric energy measurement by autonomous control (Wh)"
              },
              "type": "array",
              "minItems": 4,
              "maxItems": 4,
              "items": {
                "oneOf": [
                  {
                    "type": "number",
                    "unit": "Wh",
                    "minimum": 0,
                    "maximum": 999999999
                  },
                  {
                    "type": "string",
                    "enum": [
                      "invalid"
                    ],
                    "values": [
                      {
                        "value": "invalid",
                        "descriptions": {
                          "ja": "無効値",
                          "en": "invalid value"
                        },
                        "edt": "0xFFFFFFFF"
                      }
                    ]
                  }
                ]
              }
            }
          }
        }
      },
      "emPlanInformation": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "EM計画情報",
          "en": "EM planned information"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "updateId": {
              "descriptions": {
                "ja": "更新ID",
                "en": "Update ID"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 65535
            },
            "numberOfData": {
              "descriptions": {
                "ja": "データ数",
                "en": "Number of data"
              },
              "type": "number",
              "minimum": 0,
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```
            "maximum": 96
          },
          "firstDataMmDd": {
            "descriptions": {
              "ja": "先頭データ月日 (MMDD)",
              "en": "First data in the MMDD format."
            },
            "type": "string",
            "format": "date"
          },
          "firstDataHhMm": {
            "descriptions": {
              "ja": "先頭データ時分 (HHMM)",
              "en": "Hour and minute of first data in the HHMM format."
            },
            "type": "string",
            "format": "time"
          }
        }
      },
      "note": {
        "ja": "firstDataMmDdはdate形式だが、YYYY部分は意味のない情報",
        "en": "YYYY part of firstDataMmDd is meaningless even though its format is date."
      }
    },
    "emPlan1": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "EM計画値1",
        "en": "EM planned value 1"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 48,
        "maxItems": 48,
        "items": {
          "type": "number",
          "unit": "W",
          "minimum": -999999999,
          "maximum": 999999999
        }
      }
    },
    "emPlan2": {
      "epc": "0xE2",
      "descriptions": {
        "ja": "EM計画値2",
        "en": "EM planned value 2"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 48,
        "maxItems": 48,
        "items": {
          "type": "number",
          "unit": "W",
          "minimum": -999999999,
          "maximum": 999999999
        }
      }
    },
```


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    "upSupplyPlanInformation": {
      "epc": "0xE3",
      "descriptions": {
        "ja": "上げ調整力供出計画情報",
        "en": "Information of supply plan for regulation up"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "updateId": {
            "descriptions": {
              "ja": "更新ID",
              "en": "Update ID"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 65535
          },
          "numberOfData": {
            "descriptions": {
              "ja": "データ数",
              "en": "Number of data"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 96
          },
          "firstDataMmDd": {
            "descriptions": {
              "ja": "先頭データ月日 (MMDD)",
              "en": "First data in the MMDD format."
            },
            "type": "string",
            "format": "date"
          },
          "firstDataHhMm": {
            "descriptions": {
              "ja": "先頭データ時分 (HHMM)",
              "en": "Hour and minute of first data in the HHMM format."
            },
            "type": "string",
            "format": "time"
          }
        }
      },
      "note": {
        "ja": "firstDataMmDdはdate形式だが、YYYY部分は意味のない情報",
        "en": "YYYY part of firstDataMmDd is meaningless even though its format is date."
      }
    },
    "upSupplyPlan1": {
      "epc": "0xE4",
      "descriptions": {
        "ja": "上げ調整力供出計画値1",
        "en": "Supply plan-1 for regulation up"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "array",
        "minItems": 48,
        "maxItems": 48,
        "items": {
```


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```
            "type": "number",
            "unit": "W",
            "minimum": -999999999,
            "maximum": 999999999
          }
        }
      },
      "upSupplyPlan2": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "上げ調整力供出計画値2",
          "en": "Supply plan-2 for regulation up"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 48,
          "maxItems": 48,
          "items": {
            "type": "number",
            "unit": "W",
            "minimum": -999999999,
            "maximum": 999999999
          }
        }
      },
      "downSupplyPlanInformation": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "下げ調整力供出計画情報",
          "en": "Information of supply plan for regulation down"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "updateId": {
              "descriptions": {
                "ja": "更新ID",
                "en": "Update ID"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 65535
            },
            "numberOfData": {
              "descriptions": {
                "ja": "データ数",
                "en": "Number of data"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 96
            },
            "firstDataMmDd": {
              "descriptions": {
                "ja": "先頭データ月日 (MMDD)",
                "en": "First data in the MMDD format."
              },
              "type": "string",
              "format": "date"
            },
            "firstDataHhMm": {
```


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              "descriptions": {
                "ja": "先頭データ時分 (HHMM)",
                "en": "Hour and minute of first data in the HHMM format."
              },
              "type": "string",
              "format": "time"
            }
          }
        },
        "note": {
          "ja": "firstDataMmDdはdate形式だが、YYYY部分は意味のない情報",
          "en": "YYYY part of firstDataMmDd is meaningless even though its format is date."
        }
      },
      "downSupplyPlan1": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "下げ調整力供出計画値1",
          "en": "Supply plan-1 for regulation down"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 48,
          "maxItems": 48,
          "items": {
            "type": "number",
            "unit": "W",
            "minimum": -999999999,
            "maximum": 999999999
          }
        }
      },
      "downSupplyPlan2": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "下げ調整力供出計画値2",
          "en": "Supply plan-2 for regulation down"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 48,
          "maxItems": 48,
          "items": {
            "type": "number",
            "unit": "W",
            "minimum": -999999999,
            "maximum": 999999999
          }
        }
      }
    }
  }
```


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冷凍冷蔵庫:refrigerator:0x03B7

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
quickFreeze	GET, PUT	string	0xA0	急速冷凍動作設定 Quick freeze function setting	
quickRefrigeration	GET, PUT	string	0xA1	急速冷蔵動作設定 Quick refrigeration function setting	
icemaker	GET, PUT	string	0xA4	製氷許可設定 Icemaker setting	
icemakerStatus	GET	string	0xA5	製氷動作状態 Icemaker operation status	
icemakerTankStatus	GET	string	0xA6	製氷用給水タンク状態 Icemaker tank status	
refrigeratorHumidification	GET, PUT	string	0xA8	冷蔵室加湿動作設定 Refrigerator compartment humidification function setting	
vegetableHumidification	GET, PUT	string	0xA9	野菜室加湿動作設定 Vegetable compartment humidification function setting	
deodorization	GET, PUT	string	0xAD	脱臭動作設定 Deodorization function setting	
doorOpenCloseStatus	GET	string	0xB0	ドア開閉状態 Door open/close status	
doorOpenWarning	GET	boolean	0xB1	ドア開放警告状態 Door open warning	
refrigeratorCompartmentDoorStatus	GET	string	0xB2	冷蔵室ドア開閉状態 Refrigerator compartment door status	
freezerCompartmentDoorStatus	GET	string	0xB3	冷凍室ドア開閉状態 Freezer compartment door status	
iceCompartmentDoorStatus	GET	string	0xB4	氷温室ドア開閉状態 Ice compartment door status	
vegetableCompartmentDoorStatus	GET	string	0xB5	野菜室ドア開閉状態 Vegetable compartment door status	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
multiModeCompartmentDoorStatus	GET	string	0xB6	切換室ドア開閉状態 Multi-refrigerating mode compartment door status	
measuredRefrigeratorTemperature	GET	number	0xD1	冷蔵室温度計測値 Measured refrigerator compartment temperature	
measuredFreezerTemperature	GET	number	0xD2	冷凍室温度計測値 Measured freezer compartment temperature	
measuredIceTemperature	GET	number	0xD3	氷温室温度計測値 Measured subzero-fresh compartment temperature	
measuredVegetableTemperature	GET	number	0xD4	野菜室温度計測値 Measured vegetable compartment temperature	
measuredMultiModeTemperature	GET	number	0xD5	切換室温度計測値 Measured multi-refrigerating mode compartment temperature	
compressorRotationSpeed	GET	object	0xD8	圧縮機回転数レベル Compressor rotation speed	
electricCurrentConsumption	GET	number	0xDA	消費電流計測値 Measured electric current consumption	
ratedPowerConsumption	GET	number	0xDC	定格消費電力値 Rated power consumption	
maximumAllowableTemperatureLevel	GET	object	0xE0	設定可能温度レベル最大値 Maximum allowable temperature setting level	
refrigeratorTemperature	GET, PUT	number	0xE2	冷蔵室温度設定値 Refrigerator compartment temperature setting	
freezerTemperature	GET, PUT	number	0xE3	冷凍室温度設定値 Freezer compartment temperature setting	
iceTemperature	GET, PUT	number	0xE4	氷温室温度設定値 Ice compartment temperature setting	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
vegetableTemperature	GET, PUT	number	0xE5	野菜室温度設定値 Vegetable compartment temperature setting	
multiModeTemperature	GET, PUT	number	0xE6	切換室温度設定値 Multi-refrigerating mode compartment temperature setting	
refrigeratorTemperatureLevel	GET, PUT	number	0xE9	冷蔵室温度レベル設定 Refrigerator compartment temperature level setting	
freezerTemperatureLevel	GET, PUT	number	0xEA	冷凍室温度レベル設定 Freezer compartment temperature level setting	
iceTemperatureLevel	GET, PUT	number	0xEB	氷温室温度レベル設定 Ice compartment temperature level setting	
vegetableTemperatureLevel	GET, PUT	number	0xEC	野菜室温度レベル設定 Vegetable compartment temperature level setting	
multiModeTemperatureLevel	GET, PUT	number	0xED	切換室温度レベル設定 Multi-refrigerating mode compartment temperature level setting	

Device Description

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{
  "deviceType": "refrigerator",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x03B7",
  "descriptions": {
    "ja": "冷凍冷蔵庫",
    "en": "Refrigerator"
  },
  "properties": {
    "quickFreeze": {
      "epc": "0xA0",
      "descriptions": {
        "ja": "急速冷凍動作設定",
        "en": "Quick freeze function setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
```


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```
            "normal",
            "quick",
            "standby"
          ],
          "values": [
            {
              "value": "normal",
              "descriptions": {
                "ja": "通常冷凍",
                "en": "Normal operation"
              },
              "edt": "0x41"
            },
            {
              "value": "quick",
              "descriptions": {
                "ja": "急速冷凍",
                "en": "Quick freeze"
              },
              "edt": "0x42"
            },
            {
              "value": "standby",
              "descriptions": {
                "ja": "急速冷凍待機",
                "en": "Standby for quick freezing"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "quickRefrigeration": {
        "epc": "0xA1",
        "descriptions": {
          "ja": "急速冷蔵動作設定",
          "en": "Quick refrigeration function setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "normal",
            "quick",
            "standby"
          ],
          "values": [
            {
              "value": "normal",
              "descriptions": {
                "ja": "通常冷蔵",
                "en": "Normal operation"
              },
              "edt": "0x41"
            },
            {
              "value": "quick",
              "descriptions": {
                "ja": "急速冷蔵",
                "en": "Quick refrigeration"
              },
              "edt": "0x42"
            },
            {
```


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```
            "value": "standby",
            "descriptions": {
              "ja": "急速冷蔵待機",
              "en": "Standby for quick refrigeration"
            },
            "edt": "0x43"
          }
        ]
      }
    },
    "icemaker": {
      "epc": "0xA4",
      "descriptions": {
        "ja": "製氷許可設定",
        "en": "Icemaker setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "enable",
          "disable",
          "standby"
        ],
        "values": [
          {
            "value": "enable",
            "descriptions": {
              "ja": "製氷許可",
              "en": "Enable icemaker"
            },
            "edt": "0x41"
          },
          {
            "value": "disable",
            "descriptions": {
              "ja": "製氷禁止",
              "en": "Disable icemaker"
            },
            "edt": "0x42"
          },
          {
            "value": "standby",
            "descriptions": {
              "ja": "製氷一定時間禁止",
              "en": "Temporarily disable icemaker"
            },
            "edt": "0x43"
          }
        ]
      }
    },
    "icemakerStatus": {
      "epc": "0xA5",
      "descriptions": {
        "ja": "製氷動作状態",
        "en": "Icemaker operation status"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "running",
```


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```
            "stopped"
          ],
          "values": [
            {
              "value": "running",
              "descriptions": {
                "ja": "運転中",
                "en": "Ice-making in progress"
              },
              "edt": "0x41"
            },
            {
              "value": "stopped",
              "descriptions": {
                "ja": "停止中",
                "en": "Ice-making stopped."
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "icemakerTankStatus": {
        "epc": "0xA6",
        "descriptions": {
          "ja": "製氷用給水タンク状態",
          "en": "Icemaker tank status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "normal",
            "warning"
          ],
          "values": [
            {
              "value": "normal",
              "descriptions": {
                "ja": "タンク水あり",
                "en": "Icemaker tank contains water."
              },
              "edt": "0x41"
            },
            {
              "value": "warning",
              "descriptions": {
                "ja": "タンクなし or 水なし",
                "en": "There is no water left in the icemaker tank or the icemaker tank has not been
positioned correctly in the refrigerator."
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "refrigeratorHumidification": {
        "epc": "0xA8",
        "descriptions": {
          "ja": "冷蔵室加湿動作設定",
          "en": "Refrigerator compartment humidification function setting"
        },
        "writable": true,
        "observable": false,
```


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```
        "schema": {
          "type": "string",
          "enum": [
            "on",
            "off"
          ],
          "values": [
            {
              "value": "on",
              "descriptions": {
                "ja": "加湿ON",
                "en": "ON"
              },
              "edt": "0x41"
            },
            {
              "value": "off",
              "descriptions": {
                "ja": "加湿OFF",
                "en": "OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "vegetableHumidification": {
        "epc": "0xA9",
        "descriptions": {
          "ja": "野菜室加湿動作設定",
          "en": "Vegetable compartment humidification function setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "on",
            "off"
          ],
          "values": [
            {
              "value": "on",
              "descriptions": {
                "ja": "加湿ON",
                "en": "ON"
              },
              "edt": "0x41"
            },
            {
              "value": "off",
              "descriptions": {
                "ja": "加湿OFF",
                "en": "OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "deodorization": {
        "epc": "0xAD",
        "descriptions": {
          "ja": "脱臭動作設定",
          "en": "Deodorization function setting"
```


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```
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "on",
            "off"
          ],
          "values": [
            {
              "value": "on",
              "descriptions": {
                "ja": "脱臭ON",
                "en": "ON"
              },
              "edt": "0x41"
            },
            {
              "value": "off",
              "descriptions": {
                "ja": "脱臭OFF",
                "en": "OFF"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "doorOpenCloseStatus": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "ドア開閉状態",
          "en": "Door open/close status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "anyOpen",
            "allClose"
          ],
          "values": [
            {
              "value": "anyOpen",
              "descriptions": {
                "ja": "ドア開",
                "en": "Door open"
              },
              "edt": "0x41"
            },
            {
              "value": "allClose",
              "descriptions": {
                "ja": "ドア閉",
                "en": "Door close"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "doorOpenWarning": {
        "epc": "0xB1",
```


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```
        "descriptions": {
          "ja": "ドア開放警告状態",
          "en": "Door open warning"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ドア開放警告有",
                "en": "Door open warning found"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "ドア開放警告無",
                "en": "Door open warning not found"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "refrigeratorCompartmentDoorStatus": {
        "epc": "0xB2",
        "descriptions": {
          "ja": "冷蔵室ドア開閉状態",
          "en": "Refrigerator compartment door status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "open",
            "close"
          ],
          "values": [
            {
              "value": "open",
              "descriptions": {
                "ja": "ドア開",
                "en": "Open"
              },
              "edt": "0x41"
            },
            {
              "value": "close",
              "descriptions": {
                "ja": "ドア閉",
                "en": "Closed"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "freezerCompartmentDoorStatus": {
        "epc": "0xB3",
        "descriptions": {
```


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```
          "ja": "冷凍室ドア開閉状態",
          "en": "Freezer compartment door status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "open",
            "close"
          ],
          "values": [
            {
              "value": "open",
              "descriptions": {
                "ja": "ドア開",
                "en": "Open"
              },
              "edt": "0x41"
            },
            {
              "value": "close",
              "descriptions": {
                "ja": "ドア閉",
                "en": "Closed"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "iceCompartmentDoorStatus": {
        "epc": "0xB4",
        "descriptions": {
          "ja": "氷温室ドア開閉状態",
          "en": "Ice compartment door status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "open",
            "close"
          ],
          "values": [
            {
              "value": "open",
              "descriptions": {
                "ja": "ドア開",
                "en": "Open"
              },
              "edt": "0x41"
            },
            {
              "value": "close",
              "descriptions": {
                "ja": "ドア閉",
                "en": "Closed"
              },
              "edt": "0x42"
            }
          ]
        }
      },
```


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```
    "vegetableCompartmentDoorStatus": {
      "epc": "0xB5",
      "descriptions": {
        "ja": "野菜室ドア開閉状態",
        "en": "Vegetable compartment door status"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "open",
          "close"
        ],
        "values": [
          {
            "value": "open",
            "descriptions": {
              "ja": "ドア開",
              "en": "Open"
            },
            "edt": "0x41"
          },
          {
            "value": "close",
            "descriptions": {
              "ja": "ドア閉",
              "en": "Closed"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "multiModeCompartmentDoorStatus": {
      "epc": "0xB6",
      "descriptions": {
        "ja": "切換室ドア開閉状態",
        "en": "Multi-refrigerating mode compartment door status"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "open",
          "close"
        ],
        "values": [
          {
            "value": "open",
            "descriptions": {
              "ja": "ドア開",
              "en": "Open"
            },
            "edt": "0x41"
          },
          {
            "value": "close",
            "descriptions": {
              "ja": "ドア閉",
              "en": "Closed"
            },
            "edt": "0x42"
          }
```


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```
          ]
        }
      },
      "measuredRefrigeratorTemperature": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "冷蔵室温度計測値",
          "en": "Measured refrigerator compartment temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 126
        }
      },
      "measuredFreezerTemperature": {
        "epc": "0xD2",
        "descriptions": {
          "ja": "冷凍室温度計測値",
          "en": "Measured freezer compartment temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 126
        }
      },
      "measuredIceTemperature": {
        "epc": "0xD3",
        "descriptions": {
          "ja": "氷温室温度計測値",
          "en": "Measured subzero-fresh compartment temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 126
        }
      },
      "measuredVegetableTemperature": {
        "epc": "0xD4",
        "descriptions": {
          "ja": "野菜室温度計測値",
          "en": "Measured vegetable compartment temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 126
        }
      },
      "measuredMultiModeTemperature": {
        "epc": "0xD5",
```


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```
        "descriptions": {
          "ja": "切換室温度計測値",
          "en": "Measured multi-refrigerating mode compartment temperature"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 126
        }
      },
      "compressorRotationSpeed": {
        "epc": "0xD8",
        "descriptions": {
          "ja": "圧縮機回転数レベル",
          "en": "Compressor rotation speed"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "maximumRotationSpeed": {
              "descriptions": {
                "ja": "最大回転数レベル",
                "en": "Maximum rotation speed level"
              },
              "type": "number",
              "minimum": 1,
              "maximum": 255
            },
            "rotationSpeed": {
              "descriptions": {
                "ja": "回転数レベル(0は停止を示す)",
                "en": "Rotation speed level(Value 0 represents Stop)"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 255
            }
          }
        }
      },
      "electricCurrentConsumption": {
        "epc": "0xDA",
        "descriptions": {
          "ja": "消費電流計測値",
          "en": "Measured electric current consumption"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "A",
          "minimum": 0,
          "maximum": 6553.3,
          "multipleOf": 0.1
        }
      },
      "ratedPowerConsumption": {
        "epc": "0xDC",
        "descriptions": {
          "ja": "定格消費電力値",
```


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```
          "en": "Rated power consumption"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533
        }
      },
      "maximumAllowableTemperatureLevel": {
        "epc": "0xE0",
        "descriptions": {
          "ja": "設定可能温度レベル最大値",
          "en": "Maximum allowable temperature setting level"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "refrigeratorCompartmentLevel": {
              "descriptions": {
                "ja": "冷蔵室",
                "en": "Refrigerator compartment"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 255
            },
            "freezerCompartmentLevel": {
              "descriptions": {
                "ja": "冷凍室",
                "en": "Freezer compartment"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 255
            },
            "iceCompartmentLevel": {
              "descriptions": {
                "ja": "氷温室",
                "en": "Subzero-fresh compartment"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 255
            },
            "vegetableCompartmentLevel": {
              "descriptions": {
                "ja": "野菜室",
                "en": "Vegetable compartment"
              },
              "type": "number",
              "minimum": 0,
              "maximum": 255
            },
            "multiModeCompartmentLevel": {
              "descriptions": {
                "ja": "切換室",
                "en": "Multi-refrigerating mode compartment"
              },
              "type": "number",
              "minimum": 0,
```


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```
            "maximum": 255
          }
        }
      },
      "note": {
        "ja": "値0は室未搭載を表す",
        "en": "Value 0 represents no compartment."
      }
    },
    "refrigeratorTemperature": {
      "epc": "0xE2",
      "descriptions": {
        "ja": "冷蔵室温度設定値",
        "en": "Refrigerator compartment temperature setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Celsius",
        "minimum": -127,
        "maximum": 126
      }
    },
    "freezerTemperature": {
      "epc": "0xE3",
      "descriptions": {
        "ja": "冷凍室温度設定値",
        "en": "Freezer compartment temperature setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Celsius",
        "minimum": -127,
        "maximum": 126
      }
    },
    "iceTemperature": {
      "epc": "0xE4",
      "descriptions": {
        "ja": "氷温室温度設定値",
        "en": "Ice compartment temperature setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Celsius",
        "minimum": -127,
        "maximum": 126
      }
    },
    "vegetableTemperature": {
      "epc": "0xE5",
      "descriptions": {
        "ja": "野菜室温度設定値",
        "en": "Vegetable compartment temperature setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Celsius",
```


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```
          "minimum": -127,
          "maximum": 126
        }
      },
      "multiModeTemperature": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "切換室温度設定値",
          "en": "Multi-refrigerating mode compartment temperature setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 126
        }
      },
      "refrigeratorTemperatureLevel": {
        "epc": "0xE9",
        "descriptions": {
          "ja": "冷蔵室温度レベル設定",
          "en": "Refrigerator compartment temperature level setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 255
        },
        "note": {
          "ja": "設定可能な温度レベルの最大値は'設定可能温度レベル最大値'で取得する",
          "en": "The maximum allowable temperature setting level shall be acquired with the 'maximum
allowable temperature setting level' property."
        }
      },
      "freezerTemperatureLevel": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "冷凍室温度レベル設定",
          "en": "Freezer compartment temperature level setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "minimum": 1,
          "maximum": 255
        },
        "note": {
          "ja": "設定可能な温度レベルの最大値は'設定可能温度レベル最大値'で取得する",
          "en": "The maximum allowable temperature setting level shall be acquired with the 'maximum
allowable temperature setting level' property."
        }
      },
      "iceTemperatureLevel": {
        "epc": "0xEB",
        "descriptions": {
          "ja": "氷温室温度レベル設定",
          "en": "Ice compartment temperature level setting"
        },
        "writable": true,
        "observable": false,
```


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```
      "schema": {
        "type": "number",
        "minimum": 1,
        "maximum": 255
      },
      "note": {
        "ja": "設定可能な温度レベルの最大値は'設定可能温度レベル最大値'で取得する",
        "en": "The maximum allowable temperature setting level shall be acquired with the 'maximum
allowable temperature setting level' property."
      }
    },
    "vegetableTemperatureLevel": {
      "epc": "0xEC",
      "descriptions": {
        "ja": "野菜室温度レベル設定",
        "en": "Vegetable compartment temperature level setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "minimum": 1,
        "maximum": 255
      },
      "note": {
        "ja": "設定可能な温度レベルの最大値は'設定可能温度レベル最大値'で取得する",
        "en": "The maximum allowable temperature setting level shall be acquired with the 'maximum
allowable temperature setting level' property."
      }
    },
    "multiModeTemperatureLevel": {
      "epc": "0xED",
      "descriptions": {
        "ja": "切換室温度レベル設定",
        "en": "Multi-refrigerating mode compartment temperature level setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "minimum": 1,
        "maximum": 255
      },
      "note": {
        "ja": "設定可能な温度レベルの最大値は'設定可能温度レベル最大値'で取得する",
        "en": "The maximum allowable temperature setting level shall be acquired with the 'maximum
allowable temperature setting level' property."
      }
    }
  }
}
```


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クッキングヒータ:cookingHeater:0x03B9

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
relativeTimeOfOffTimer	GET, PUT	object	0x96	切タイマ相対時間設定値 Relative time settings of off timers	
childLock	GET, PUT	boolean	0xA1	チャイルドロック設定 Child lock setting	
radiantHeaterLock	GET, PUT	boolean	0xA2	ラジエントヒータロック設定 Radiant heater lock setting	
heatingStatus	GET	object	0xB1	加熱状態 Heating status	
heatingOperation	GET, PUT	object	0xB2	加熱設定 Heating setting	
heatingModesOfStoves	GET, PUT	object	0xE0	コンロ加熱モード設定 Heating modes of stoves	
heatingTemperature	GET, PUT	object	0xE3	加熱温度設定値 Heating temperature setting	
heatingPower	GET, PUT	object	0xE7	加熱出力設定 Heating power setting	*1

Actions

Property Resource Name	Access Method	EPC(EL)	プロパティ名称(EL)	Note
allStop	POST	0xB3	一括停止設定 All stop setting	

*1 1プロパティで、左コンロ／右コンロ／奥コンロ／ロースタの各加熱出力設定を、電力量／レベル／状態表現のいずれかで指定する。

Device Description

```
{
  "deviceType": "cookingHeater",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x03B9",
  "descriptions": {
    "ja": "クッキングヒータ",
    "en": "Cooking heater"
  },
```


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```
    "properties": {
      "relativeTimeOfOffTimer": {
        "epc": "0x96",
        "descriptions": {
          "ja": "切タイマ相対時間設定値",
          "en": "Relative time settings of off timers"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "leftStove": {
              "descriptions": {
                "ja": "左コンロ切タイマ時間",
                "en": "Relative time setting of the left stove off timer"
              },
              "oneOf": [
                {
                  "type": "string",
                  "format": "time"
                },
                {
                  "type": "string",
                  "enum": [
                    "noSetting"
                  ],
                  "values": [
                    {
                      "value": "noSetting",
                      "descriptions": {
                        "ja": "未設定（GET の場合）、設定なし（SET の場合）",
                        "en": "No setting"
                      },
                      "edt": "0xFFFFFF"
                    }
                  ]
                }
              ]
            },
            "rightStove": {
              "descriptions": {
                "ja": "右コンロ切タイマ時間",
                "en": "Relative time setting of the right stove off timer"
              },
              "oneOf": [
                {
                  "type": "string",
                  "format": "time"
                },
                {
                  "type": "string",
                  "enum": [
                    "noSetting"
                  ],
                  "values": [
                    {
                      "value": "noSetting",
                      "descriptions": {
                        "ja": "未設定（GET の場合）、設定なし（SET の場合）",
                        "en": "No setting"
                      },
                      "edt": "0xFFFFFF"
                    }
                  ]
```


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```
                }
              ]
            },
            "farSideStove": {
              "descriptions": {
                "ja": "奥コンロ切タイマ時間",
                "en": "Relative time setting of the far-side stove off timer"
              },
              "oneOf": [
                {
                  "type": "string",
                  "format": "time"
                },
                {
                  "type": "string",
                  "enum": [
                    "noSetting"
                  ],
                  "values": [
                    {
                      "value": "noSetting",
                      "descriptions": {
                        "ja": "未設定（GET の場合）、設定なし（SET の場合）",
                        "en": "No setting"
                      },
                      "edt": "0xFFFFFF"
                    }
                  ]
                }
              ]
            },
            "roaster": {
              "descriptions": {
                "ja": "ロースタ切タイマ時間",
                "en": "Relative time setting of the roaster off timer"
              },
              "oneOf": [
                {
                  "type": "string",
                  "format": "time"
                },
                {
                  "type": "string",
                  "enum": [
                    "noSetting"
                  ],
                  "values": [
                    {
                      "value": "noSetting",
                      "descriptions": {
                        "ja": "未設定（GET の場合）、設定なし（SET の場合）",
                        "en": "No setting"
                      },
                      "edt": "0xFFFFFF"
                    }
                  ]
                }
              ]
            }
          }
        }
      },
      "childLock": {
        "epc": "0xA1",
        "descriptions": {
```


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```
          "ja": "チャイルドロック設定",
          "en": "Child lock setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "チャイルドロックON",
                "en": "Child lock on"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "チャイルドロックOFF",
                "en": "Child lock off"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "radiantHeaterLock": {
        "epc": "0xA2",
        "descriptions": {
          "ja": "ラジエントヒータロック設定",
          "en": "Radiant heater lock setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ラジエントヒータロックON",
                "en": "Radiant heater lock on"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "ラジエントヒータロックOFF",
                "en": "Radiant heater lock off"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "heatingStatus": {
        "epc": "0xB1",
        "descriptions": {
          "ja": "加熱状態",
          "en": "Heating status"
        },
        "writable": false,
        "observable": false,
```


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```
        "schema": {
          "type": "object",
          "properties": {
            "leftStove": {
              "descriptions": {
                "ja": "左コンロ加熱状態",
                "en": "Heating status of the left stove"
              },
              "type": "string",
              "enum": [
                "standingBy",
                "operating",
                "temporarilyStopped",
                "heatingProhibited",
                "unknown"
              ],
              "values": [
                {
                  "value": "standingBy",
                  "descriptions": {
                    "ja": "待機中",
                    "en": "Standing by"
                  },
                  "edt": "0x40"
                },
                {
                  "value": "operating",
                  "descriptions": {
                    "ja": "運転中",
                    "en": "Operating"
                  },
                  "edt": "0x41"
                },
                {
                  "value": "temporarilyStopped",
                  "descriptions": {
                    "ja": "一時停止中",
                    "en": "Temporarily stopped"
                  },
                  "edt": "0x42"
                },
                {
                  "value": "heatingProhibited",
                  "descriptions": {
                    "ja": "加熱禁止状態",
                    "en": "Heating prohibited"
                  },
                  "edt": "0x50"
                },
                {
                  "value": "unknown",
                  "descriptions": {
                    "ja": "不明",
                    "en": "Unknown"
                  },
                  "edt": "0xFF"
                }
              ]
            },
            "rightStove": {
              "descriptions": {
                "ja": "右コンロ加熱状態",
                "en": "Heating status of the right stove"
              },
              "type": "string",
```


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```
            "enum": [
              "standingBy",
              "operating",
              "temporarilyStopped",
              "heatingProhibited",
              "unknown"
            ],
            "values": [
              {
                "value": "standingBy",
                "descriptions": {
                  "ja": "待機中",
                  "en": "Standing by"
                },
                "edt": "0x40"
              },
              {
                "value": "operating",
                "descriptions": {
                  "ja": "運転中",
                  "en": "Operating"
                },
                "edt": "0x41"
              },
              {
                "value": "temporarilyStopped",
                "descriptions": {
                  "ja": "一時停止中",
                  "en": "Temporarily stopped"
                },
                "edt": "0x42"
              },
              {
                "value": "heatingProhibited",
                "descriptions": {
                  "ja": "加熱禁止状態",
                  "en": "Heating prohibited"
                },
                "edt": "0x50"
              },
              {
                "value": "unknown",
                "descriptions": {
                  "ja": "不明",
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                            "ja": "とろ火",
                            "en": "Very low flame"
                          },
```


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```
                    "edt": "0x4002"
                  },
                  {
                    "value": "lowFlame",
                    "descriptions": {
                      "ja": "弱火",
                      "en": "Low flame"
                    },
                    "edt": "0x4004"
                  },
                  {
                    "value": "mediumFlame",
                    "descriptions": {
                      "ja": "中火",
                      "en": "Medium flame"
                    },
                    "edt": "0x4006"
                  },
                  {
                    "value": "highFlame",
                    "descriptions": {
                      "ja": "強火",
                      "en": "High flame"
                    },
                    "edt": "0x4008"
                  },
                  {
                    "value": "highPower",
                    "descriptions": {
                      "ja": "ハイパワー",
                      "en": "High power"
                    },
                    "edt": "0x400A"
                  },
                  {
                    "value": "noSetting",
                    "descriptions": {
                      "ja": "未設定（GET の場合）、設定なし（SET の場合）",
                      "en": "No setting"
                    },
                    "edt": "0xFFFF"
                  }
                ]
              }
            },
            "additionalProperties": false
          }
        ]
      },
      "roaster": {
        "descriptions": {
          "ja": "ロースタ加熱出力",
          "en": "Heating power of the roaster"
        },
        "oneOf": [
          {
            "type": "object",
            "properties": {
              "wattage": {
                "descriptions": {
                  "ja": "出力設定形式",
                  "en": "Output wattage"
                },
                "type": "number",
                "unit": "W",
```


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```
                "minimum": 0,
                "maximum": 1000
              }
            },
            "additionalProperties": false
          },
          {
            "type": "object",
            "properties": {
              "level": {
                "descriptions": {
                  "ja": "レベル設定形式",
                  "en": "Level"
                },
                "type": "number",
                "minimum": 0,
                "maximum": 16,
                "multipleOf": 1
              }
            },
            "additionalProperties": false
          },
          {
            "type": "object",
            "properties": {
              "stateOfFlame": {
                "descriptions": {
                  "ja": "状態表現形式",
                  "en": "The state of flame"
                },
                "type": "string",
                "enum": [
                  "veryLowFlame",
                  "lowFlame",
                  "mediumFlame",
                  "highFlame",
                  "highPower",
                  "noSetting"
                ],
                "values": [
                  {
                    "value": "veryLowFlame",
                    "descriptions": {
                      "ja": "とろ火",
                      "en": "Very low flame"
                    },
                    "edt": "0x4002"
                  },
                  {
                    "value": "lowFlame",
                    "descriptions": {
                      "ja": "弱火",
                      "en": "Low flame"
                    },
                    "edt": "0x4004"
                  },
                  {
                    "value": "mediumFlame",
                    "descriptions": {
                      "ja": "中火",
                      "en": "Medium flame"
                    },
                    "edt": "0x4006"
                  },
                  {
```


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```
                        "value": "highFlame",
                        "descriptions": {
                          "ja": "強火",
                          "en": "High flame"
                        },
                        "edt": "0x4008"
                      },
                      {
                        "value": "highPower",
                        "descriptions": {
                          "ja": "ハイパワー",
                          "en": "High power"
                        },
                        "edt": "0x400A"
                      },
                      {
                        "value": "noSetting",
                        "descriptions": {
                          "ja": "未設定（GET の場合）、設定なし（SET の場合）",
                          "en": "No setting"
                        },
                        "edt": "0xFFFF"
                      }
                    ]
                  }
                },
                "additionalProperties": false
              }
            ]
          }
        }
      }
    }
  },
  "actions": {
    "allStop": {
      "epc": "0xB3",
      "descriptions": {
        "ja": "一括停止設定",
        "en": "All stop setting"
      },
      "schema": {},
      "note": {
        "ja": "ECHONET LiteではSet only property",
        "en": "Access rule of the corresponding ECHONET Lite property is set only."
      }
    }
  }
}
```


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炊飯器:riceCooker:0x03BB

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
reservation	GET, PUT	string	0x90	炊飯予約設定 Rice cooking reservation setting	
reservationTime	GET, PUT	string	0x91	炊飯予約設定時刻設定値 Rice cooking reservation time setting	
reservationRelativeTime	GET, PUT	string	0x92	炊飯予約設定相対時間設定値 Rice cooking reservation relative time setting	
coverStatus	GET	string	0xB0	蓋開閉状態 Cover closure status	
cookingStatus	GET	string	0xB1	炊飯状態 Rice cooking status	
cookingControl	GET, PUT	string	0xB2	炊飯制御設定 Rice cooking control setting	
warmerOperation	GET, PUT	boolean	0xE1	保温設定 Warmer setting	
innerPotRemoved	GET	boolean	0xE5	内なべ取り外し状態 Inner pot removal status	
coverRemoved	GET	boolean	0xE6	蓋取り外し状態 Cover removal status	

Device Description


```
{
  "deviceType": "riceCooker",
  "metaData": {
    "version": "1.3.0"
  },
  "eoj": "0x03BB",
  "descriptions": {
    "ja": "炊飯器",
    "en": "Rice cooker"
  },
  "properties": {
    "reservation": {
      "epc": "0x90",
      "descriptions": {
        "ja": "炊飯予約設定",
        "en": "Rice cooking reservation setting"
      },
      "writable": true,
```


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```
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "on",
            "off"
          ],
          "values": [
            {
              "value": "on",
              "descriptions": {
                "ja": "予約有",
                "en": "Reservation on"
              },
              "edt": "0x41"
            },
            {
              "value": "off",
              "descriptions": {
                "ja": "予約無",
                "en": "Reservation off"
              },
              "edt": "0x42"
            }
          ]
        },
        "note": {
          "ja": "炊飯器用にプロパティ名を定義",
          "en": "This property is named for rice cooker."
        }
      },
      "reservationTime": {
        "epc": "0x91",
        "descriptions": {
          "ja": "炊飯予約設定時刻設定値",
          "en": "Rice cooking reservation time setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "炊飯器用にプロパティ名を定義、秒の指定は無視される",
          "en": "This property is named for rice cooker. Number of seconds is ignored."
        }
      },
      "reservationRelativeTime": {
        "epc": "0x92",
        "descriptions": {
          "ja": "炊飯予約設定相対時間設定値",
          "en": "Rice cooking reservation relative time setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "炊飯器用にプロパティ名を定義、秒の指定は無視される",
          "en": "This property is named for rice cooker. Number of seconds is ignored."
        }
      },
```


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```
      "coverStatus": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "蓋開閉状態",
          "en": "Cover closure status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "open",
            "close"
          ],
          "values": [
            {
              "value": "open",
              "descriptions": {
                "ja": "蓋開",
                "en": "Cover open"
              },
              "edt": "0x41"
            },
            {
              "value": "close",
              "descriptions": {
                "ja": "蓋閉",
                "en": "Cover close"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "cookingStatus": {
        "epc": "0xB1",
        "descriptions": {
          "ja": "炊飯状態",
          "en": "Rice cooking status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "stop",
            "preheating",
            "cooking",
            "steaming",
            "completion"
          ],
          "values": [
            {
              "value": "stop",
              "descriptions": {
                "ja": "停止",
                "en": "Stop"
              },
              "edt": "0x41"
            },
            {
              "value": "preheating",
              "descriptions": {
                "ja": "予熱",
                "en": "Preheating"
```


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```
            },
            "edt": "0x42"
          },
          {
            "value": "cooking",
            "descriptions": {
              "ja": "炊飯",
              "en": "Rice cooking"
            },
            "edt": "0x43"
          },
          {
            "value": "steaming",
            "descriptions": {
              "ja": "蒸らし",
              "en": "Steaming"
            },
            "edt": "0x44"
          },
          {
            "value": "completion",
            "descriptions": {
              "ja": "炊飯完了",
              "en": "Rice cooking completion"
            },
            "edt": "0x45"
          }
        ]
      }
    },
    "cookingControl": {
      "epc": "0xB2",
      "descriptions": {
        "ja": "炊飯制御設定",
        "en": "Rice cooking control setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "running",
          "suspension"
        ],
        "values": [
          {
            "value": "running",
            "descriptions": {
              "ja": "炊飯開始・炊飯再開",
              "en": "Rice cooking start/restart"
            },
            "edt": "0x41"
          },
          {
            "value": "suspension",
            "descriptions": {
              "ja": "炊飯一時停止",
              "en": "Rice cooking suspension"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "warmerOperation": {
```


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```
        "epc": "0xE1",
        "descriptions": {
          "ja": "保温設定",
          "en": "Warmer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "保温有",
                "en": "Warmer enabled"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "保温無",
                "en": "Warmer disabled"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "innerPotRemoved": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "内なべ取り外し状態",
          "en": "Inner pot removal status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "取り外し有",
                "en": "Removed"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "取り外し無",
                "en": "Not removed"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "coverRemoved": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "蓋取り外し状態",
          "en": "Cover removal status"
        },
```


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```
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "取り外し有",
                "en": "Removed"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "取り外し無",
                "en": "Not removed"
              },
              "edt": "0x42"
            }
          ]
        }
      }
    }
  }
```


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業務用ショーケース:commercialShowcase:0x03CE

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
operationMode	GET, PUT	string	0xB0	運転モード設定 Operation mode setting	
dischargeTemperature	GET	number	0xBD	吐出温度計測値 Used to acquire measurements of discharge temperature.	
groupInformation	GET, PUT	number, string	0xCA	グループ情報 Group information	
showcaseType	GET	string	0xD0	ショーケースタイプ情報 This property indicates the type of the showcase.	
doorType	GET	string	0xD1	ドアタイプ情報 This property indicates the type of the showcase door.	
refrigeratorType	GET	string	0xD2	冷凍機内蔵型か冷凍機別置型かを示すショーケース構成情報 This property indicates refrigerator type, such as built-in or separate.	
shapeType	GET	string	0xD3	ショーケース形状情報 This property indicates the shape of the showcase.	
purposeType	GET	string	0xD4	冷蔵用途か冷凍用途かを示す庫内温度帯情報 This property indicates the purpose of the showcase, either refrigeration or freezing.	
internalLightingOperationStatus	GET, PUT	boolean	0xE0	庫内照明動作状態 Indicates on/off status of lighting installed inside the showcase.	
externalLightingOperationStatus	GET, PUT	boolean	0xE1	庫外照明動作状態 Indicates ON/OFF status of lighting installed outside the showcase.	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
compressorOperationStatus	GET, PUT	boolean	0xE2	コンプレッサ動作状態 Indicates on/off status of compressor when showcase and compressor are a single unit.	
internalTemperature	GET	number	0xE3	庫内温度計測値 Used to acquire internal temperature measurements inside the showcase.	
ratedElectricPowerForFreezing	GET	number	0xE4	冷却時に要する定格消費電力（冷凍能力値） Indicates rated power consumption necessary when showcase is cooling.	
ratedElectricPowerForDefrostingHeater	GET	number	0xE5	霜取りヒータ稼働時の定格消費電力 Indicates rated power consumption when heater is operating during showcase defrosting.	
ratedElectricPowerForFanMotor	GET	number	0xE6	ファンモータ稼働時の定格消費電力 Indicates rated power consumption when showcase is operating fan motor.	
heaterOperationStatus	GET	boolean	0xE7	ホット用ヒーター動作状態（ヒーターモード） Indicates on/off status of showcases with heater for hot function.	
insideLightingType	GET	string	0xEB	庫内照明タイプ Indicates type of lighting installed inside the showcase.	
outsideLightingType	GET	string	0xEC	庫外照明タイプ Indicates type of lighting installed outside the showcase.	
targetInsideBrightness	GET, PUT	number	0xED	庫内照明照度レベル設定 Indicates lighting level in % installed inside of the showcase.	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
targetOutsideBrightness	GET, PUT	number	0xEE	庫外照明照度レベル設定 Indicates lighting level in % installed outside of the showcase.	
targetInsideTemperature	GET, PUT	number	0xEF	庫内温度設定値 Set temperature setting of inside the case and acquire the current setting.	
groupDeviceList	GET	array	-	グループ内デバイスリスト List of devices in group	*1

*1 グループ情報の "groupDeviceList" は、WebAPIのdevicesで管理されている機器のIdおよびその"deviceType"を記述

Device Description

```
{
  "deviceType": "commercialShowcase",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x03CE",
  "descriptions": {
    "ja": "業務用ショーケース",
    "en": "Commercial showcase"
  },
  "properties": {
    "operationMode": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "運転モード設定",
        "en": "Operation mode setting"
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "string",
        "enum": [
          "cooling",
          "nonCooling",
          "defrosting",
          "other"
        ],
        "values": [
          {
            "value": "cooling",
            "descriptions": {
              "ja": "冷却",
              "en": "Cooling"
            },
            "edt": "0x41"
          },
          {
            "value": "nonCooling",
            "descriptions": {
```


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```
                "ja": "非冷",
                "en": "Non-cooling"
              },
              "edt": "0x42"
            },
            {
              "value": "defrosting",
              "descriptions": {
                "ja": "霜取り",
                "en": "Defrosting"
              },
              "edt": "0x43"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Others"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "dischargeTemperature": {
        "epc": "0xBD",
        "descriptions": {
          "ja": "吐出温度計測値",
          "en": "Used to acquire measurements of discharge temperature."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 125,
          "multipleOf": 1
        }
      },
      "groupInformation": {
        "epc": "0xCA",
        "descriptions": {
          "ja": "グループ情報",
          "en": "Group information"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 253
            },
            {
              "type": "string",
              "enum": [
                "none"
              ],
              "values": [
                {
                  "value": "none",
                  "descriptions": {
                    "ja": "設定なし",
```


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```
                    "en": "None"
                  },
                  "edt": "0x00"
                }
              ]
            }
          ]
        }
      },
      "showcaseType": {
        "epc": "0xD0",
        "descriptions": {
          "ja": "ショーケースタイプ情報",
          "en": "This property indicates the type of the showcase."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "nonFluorocarbonInverter",
            "inverter",
            "other"
          ],
          "values": [
            {
              "value": "nonFluorocarbonInverter",
              "descriptions": {
                "ja": "ノンフロンインバータ (CO2)",
                "en": "Non-fluorocarbon inverter (CO2)"
              },
              "edt": "0x41"
            },
            {
              "value": "inverter",
              "descriptions": {
                "ja": "インバータ",
                "en": "Inverter"
              },
              "edt": "0x42"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "doorType": {
        "epc": "0xD1",
        "descriptions": {
          "ja": "ドアタイプ情報",
          "en": "This property indicates the type of the showcase door."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "open",
            "closed"
```


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```
        ],
        "values": [
          {
            "value": "open",
            "descriptions": {
              "ja": "オープン",
              "en": "Open"
            },
            "edt": "0x41"
          },
          {
            "value": "closed",
            "descriptions": {
              "ja": "クローズ",
              "en": "Closed"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "refrigeratorType": {
      "epc": "0xD2",
      "descriptions": {
        "ja": "冷凍機内蔵型か冷凍機別置型かを示すショーケース構成情報",
        "en": "This property indicates refrigerator type, such as built-in or separate."
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "separate",
          "builtIn"
        ],
        "values": [
          {
            "value": "separate",
            "descriptions": {
              "ja": "別置型",
              "en": "Separate type"
            },
            "edt": "0x41"
          },
          {
            "value": "builtIn",
            "descriptions": {
              "ja": "内蔵型",
              "en": "Built-in type"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "shapeType": {
      "epc": "0xD3",
      "descriptions": {
        "ja": "ショーケース形状情報",
        "en": "This property indicates the shape of the showcase."
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
```


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```
          "enum": [
            "box",
            "desktop",
            "tripleGlass",
            "quadrupleQuintupleGlass",
            "reachIn",
            "glassTop",
            "multistageOpenAndCeilingBlowoff",
            "multistageOpenAndBacksideBlowoff",
            "flat",
            "walkIn",
            "other"
          ],
          "values": [
            {
              "value": "box",
              "descriptions": {
                "ja": "箱形",
                "en": "Box type"
              },
              "edt": "0x41"
            },
            {
              "value": "desktop",
              "descriptions": {
                "ja": "卓上形",
                "en": "Desktop type"
              },
              "edt": "0x42"
            },
            {
              "value": "tripleGlass",
              "descriptions": {
                "ja": "三面ガラス式",
                "en": "Triple glass type"
              },
              "edt": "0x43"
            },
            {
              "value": "quadrupleQuintupleGlass",
              "descriptions": {
                "ja": "四面（五面）ガラス式",
                "en": "Quadruple (quintuple) glass type"
              },
              "edt": "0x44"
            },
            {
              "value": "reachIn",
              "descriptions": {
                "ja": "リーチイン",
                "en": "Reach-in type"
              },
              "edt": "0x45"
            },
            {
              "value": "glassTop",
              "descriptions": {
                "ja": "ガラストップ",
                "en": "Glass top type"
              },
              "edt": "0x46"
            },
            {
              "value": "multistageOpenAndCeilingBlowoff",
              "descriptions": {
```


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```
                "ja": "多段形オープン（天井吹出形）",
                "en": "Multistage open (ceiling blowoff type)"
              },
              "edt": "0x47"
            },
            {
              "value": "multistageOpenAndBacksideBlowoff",
              "descriptions": {
                "ja": "多段形オープン（背面吹出形）",
                "en": "Multistage open (backside blowoff type)"
              },
              "edt": "0x48"
            },
            {
              "value": "flat",
              "descriptions": {
                "ja": "平形",
                "en": "Flat type"
              },
              "edt": "0x49"
            },
            {
              "value": "walkIn",
              "descriptions": {
                "ja": "ウォークイン",
                "en": "Walk-in type"
              },
              "edt": "0x4A"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "purposeType": {
        "epc": "0xD4",
        "descriptions": {
          "ja": "冷蔵用途か冷凍用途かを示す庫内温度帯情報",
          "en": "This property indicates the purpose of the showcase, either refrigeration or
freezing."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "refrigeration",
            "freezing"
          ],
          "values": [
            {
              "value": "refrigeration",
              "descriptions": {
                "ja": "冷蔵",
                "en": "Refrigeration"
              },
              "edt": "0x41"
            },
            {
```


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```
            "value": "freezing",
            "descriptions": {
              "ja": "冷凍",
              "en": "Freezing"
            },
            "edt": "0x42"
          }
        ]
      }
    },
    "internalLightingOperationStatus": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "庫内照明動作状態",
        "en": "Indicates on/off status of lighting installed inside the showcase."
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "ON",
              "en": "On"
            },
            "edt": "0x30"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "OFF",
              "en": "Off"
            },
            "edt": "0x31"
          }
        ]
      }
    },
    "externalLightingOperationStatus": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "庫外照明動作状態",
        "en": "Indicates ON/OFF status of lighting installed outside the showcase."
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "ON",
              "en": "On"
            },
            "edt": "0x30"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "OFF",
              "en": "Off"
            },
            "edt": "0x31"
          }
        ]
      }
    },
    "externalLightingOperationStatus": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "庫外照明動作状態",
        "en": "Indicates ON/OFF status of lighting installed outside the showcase."
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
              "ja": "ON",
              "en": "On"
            },
            "edt": "0x30"
          },
          {
            "value": false,
            "descriptions": {
              "ja": "OFF",
              "en": "Off"
            },
            "edt": "0x31"
          }
        ]
      }
    }
```


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```
              "edt": "0x31"
            }
          ]
        }
      },
      "compressorOperationStatus": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "コンプレッサ動作状態",
          "en": "Indicates on/off status of compressor when showcase and compressor are a single
unit."
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ON",
                "en": "On"
              },
              "edt": "0x30"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "OFF",
                "en": "Off"
              },
              "edt": "0x31"
            }
          ]
        }
      },
      "internalTemperature": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "庫内温度計測値",
          "en": "Used to acquire internal temperature measurements inside the showcase."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 125,
          "multipleOf": 1
        }
      },
      "ratedElectricPowerForFreezing": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "冷却時に要する定格消費電力（冷凍能力値)",
          "en": "Indicates rated power consumption necessary when showcase is cooling."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533,
```


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```
          "multipleOf": 1
        }
      },
      "ratedElectricPowerForDefrostingHeater": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "霜取りヒータ稼働時の定格消費電力",
          "en": "Indicates rated power consumption when heater is operating during showcase
defrosting."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533,
          "multipleOf": 1
        }
      },
      "ratedElectricPowerForFanMotor": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "ファンモータ稼働時の定格消費電力",
          "en": "Indicates rated power consumption when showcase is operating fan motor."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 65533,
          "multipleOf": 1
        }
      },
      "heaterOperationStatus": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "ホット用ヒーター動作状態（ヒーターモード)",
          "en": "Indicates on/off status of showcases with heater for hot function."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ON",
                "en": "On"
              },
              "edt": "0x30"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "OFF",
                "en": "Off"
              },
              "edt": "0x31"
            }
          ]
        }
```


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```
      },
      "insideLightingType": {
        "epc": "0xEB",
        "descriptions": {
          "ja": "庫内照明タイプ",
          "en": "Indicates type of lighting installed inside the showcase."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "fluorescent",
            "led",
            "noLighting",
            "other"
          ],
          "values": [
            {
              "value": "fluorescent",
              "descriptions": {
                "ja": "蛍光灯",
                "en": "Fluorescent light"
              },
              "edt": "0x41"
            },
            {
              "value": "led",
              "descriptions": {
                "ja": "LED",
                "en": "LED"
              },
              "edt": "0x42"
            },
            {
              "value": "noLighting",
              "descriptions": {
                "ja": "照明無し",
                "en": "No lighting"
              },
              "edt": "0x43"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "outsideLightingType": {
        "epc": "0xEC",
        "descriptions": {
          "ja": "庫外照明タイプ",
          "en": "Indicates type of lighting installed outside the showcase."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "fluorescent",
```


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```
            "led",
            "noLighting",
            "other"
          ],
          "values": [
            {
              "value": "fluorescent",
              "descriptions": {
                "ja": "蛍光灯",
                "en": "Fluorescent light"
              },
              "edt": "0x41"
            },
            {
              "value": "led",
              "descriptions": {
                "ja": "LED",
                "en": "LED"
              },
              "edt": "0x42"
            },
            {
              "value": "noLighting",
              "descriptions": {
                "ja": "照明無し",
                "en": "No lighting"
              },
              "edt": "0x43"
            },
            {
              "value": "other",
              "descriptions": {
                "ja": "その他",
                "en": "Other"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "targetInsideBrightness": {
        "epc": "0xED",
        "descriptions": {
          "ja": "庫内照明照度レベル設定",
          "en": "Indicates lighting level in % installed inside of the showcase."
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "%",
          "minimum": 0,
          "maximum": 100
        }
      },
      "targetOutsideBrightness": {
        "epc": "0xEE",
        "descriptions": {
          "ja": "庫外照明照度レベル設定",
          "en": "Indicates lighting level in % installed outside of the showcase."
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
```


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```
          "unit": "%",
          "minimum": 0,
          "maximum": 100,
          "multipleOf": 1
        }
      },
      "targetInsideTemperature": {
        "epc": "0xEF",
        "descriptions": {
          "ja": "庫内温度設定値",
          "en": "Set temperature setting of inside the case and acquire the current setting."
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 126,
          "multipleOf": 1
        }
      },
      "groupDeviceList": {
        "descriptions": {
          "ja": "グループ内デバイスリスト",
          "en": "List of devices in group"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "items": {
            "type": "object",
            "properties": {
              "deviceId": {
                "type": "string"
              },
              "deviceType": {
                "type": "string"
              }
            }
          }
        },
        "note": {
          "ja": "WebAPIの'devices'で管理されている機器のIDおよびその'deviceType'を記述",
          "en": "Describe the ID of the device managed in 'devices' of WebAPI and its 'deviceType'."
        }
      }
    }
  }
```


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洗濯乾燥機:washerDryer:0x03D3

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称 (EL)	Note
onTimerReservationStatus	GET, PUT	string	0x90	ONタイマ予約設定 On timer reservation setting	
onTimerAbsolute	GET, PUT	string	0x91	ONタイマ時刻設定値 On timer setting	
relativeTimeOfOnTimer	GET, PUT	number	0x92	ONタイマ相対時間設定値 Relative time-based on timer setting	
doorOpenStatus	GET	string	0xB0	扉・蓋開閉状態 Door/cover open/close status	
runningStatus	GET, PUT	string	0xB2	洗濯・乾燥設定 Washer and dryer setting	
washerDryerCycle1	GET, PUT	string	0xD0	洗濯乾燥コース設定1 Washer and dryer cycle setting 1	washerDryerCycle2およびdryerCycleと同時に使用しない
washerDryerCycle2	GET, PUT	string	0xD1	洗濯乾燥コース設定2 Washer and dryer cycle setting 2	dryerCycleと同時に使用する。washerDryerCycle1と同時に使用しない
dryerCycle	GET, PUT	string	0xD2	乾燥方法設定 Drying cycle setting	washerDryerCycle2と同時に使用する。washerDryerCycle1と同時に使用しない
washerDryerCycleOptions1	GET	array	0xD3	設定可能コース情報1 Washer and dryer cycle option list 1	washerDryerCycle1が有効な場合に使用する
washerDryerCycleOptions2	GET	array	0xD4	設定可能コース情報2 Washer and dryer cycle option list 2	washerDryerCycle2が有効な場合に使用する
washerDryerCycleOptions3	GET	array	0xD5	設定可能コース情報3 Washer and dryer cycle option list 3	dryerCycleが有効な場合に使用する

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称 (EL)	Note
waterFlowRate	GET, PUT	object, object	0xD6	水流設定 Water flow rate setting	
spinDryingRotationSpeed	GET, PUT	object, object	0xD7	脱水回転数設定値 Rotation speed for spin drying setting	
dryingDegree	GET, PUT	object, object	0xD8	乾燥度設定 Degree of drying setting	
washingTimeRemaining	GET	number, string	0xDB	洗濯残り時間 Remaining washing time	
dryingTimeRemaining	GET	number, string	0xDC	乾燥残り時間 Remaining drying time	
onTimerElapsed	GET	number	0xDF	ONタイマ経過時間 Elapsed time on the ON timer	
presoakingTime	GET, PUT	object, object	0xE1	つけおき行程時間設定値 Presoaking time setting	
currentStage	GET	string	0xE2	洗濯乾燥遷移状態 Current stage of washer and dryer cycle	
waterVolumeByLiter	GET, PUT	object, object	0xE3	水量設定1 Water volume setting 1	
waterVolumeByStep	GET, PUT	object, object	0xE4	水量設定2 Water volume setting 2	
washingTime	GET, PUT	object, object	0xE5	洗い時間設定値 Washing time setting	
rinsingCount	GET, PUT	number, string	0xE6	すすぎ回数設定値 Number of times of rinsing setting	

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Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称 (EL)	Note
rinsingProcess	GET, PUT	array	0xE7	すすぎモード設定 Rinsing process setting	配列要素数はrinsingCountの値と同じとする
spinDryingTime	GET, PUT	object, object	0xE8	脱水時間設定値 Spin drying time setting	
dryingTime	GET, PUT	object, object	0xE9	乾燥時間設定値 Drying time setting	
waterTemperature	GET, PUT	number, string	0xEA	洗い温水設定値 Warm water setting	
bathtubWaterRecycle	GET, PUT	string	0xEB	風呂水設定 Bathtub water recycle setting	
wrinklingMinimization	GET, PUT	string	0xEC	ソフトキープ設定 Wrinkling minimization setting	
washingDryingTimeRemaining	GET	number, string	0xED	洗濯乾燥残り時間 Time remaining to complete washer and dryer cycle	
doorLockStatus	GET, PUT	boolean	0xEE	運転中扉・蓋ロック設定 Door/cover lock setting	

Device Description

```
{
  "deviceType": "washerDryer",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x03D3",
  "descriptions": {
    "ja": "洗濯乾燥機",
    "en": "Washer and dryer"
  },
  "properties": {
    "onTimerReservationStatus": {
      "epc": "0x90",
      "descriptions": {
        "ja": "ONタイマ予約設定",
        "en": "On timer reservation setting"
      },
```


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```
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "enable",
            "disable"
          ],
          "values": [
            {
              "value": "enable",
              "descriptions": {
                "ja": "予約入",
                "en": "Reservation on"
              },
              "edt": "0x41"
            },
            {
              "value": "disable",
              "descriptions": {
                "ja": "予約切",
                "en": "Reservation off"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "onTimerAbsolute": {
        "epc": "0x91",
        "descriptions": {
          "ja": "ONタイマ時刻設定値",
          "en": "On timer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "format": "time"
        },
        "note": {
          "ja": "秒の指定は無視される",
          "en": "Number of seconds is ignored."
        }
      },
      "relativeTimeOfOnTimer": {
        "epc": "0x92",
        "descriptions": {
          "ja": "ONタイマ相対時間設定値",
          "en": "Relative time-based on timer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "minute",
          "minimum": 0,
          "maximum": 15359,
          "multipleOf": 1
        }
      },
      "doorOpenStatus": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "扉・蓋開閉状態",
```


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```
          "en": "Door/cover open/close status"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "open",
            "close"
          ],
          "values": [
            {
              "value": "open",
              "descriptions": {
                "ja": "扉・蓋開",
                "en": "Door/cover open"
              },
              "edt": "0x41"
            },
            {
              "value": "close",
              "descriptions": {
                "ja": "扉・蓋閉",
                "en": "Door/cover closed"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "runningStatus": {
        "epc": "0xB2",
        "descriptions": {
          "ja": "洗濯・乾燥設定",
          "en": "Washer and dryer setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "run",
            "pause",
            "stop"
          ],
          "values": [
            {
              "value": "run",
              "descriptions": {
                "ja": "洗濯乾燥開始・再開／洗濯乾燥運転中",
                "en": "Start/restart(ed) or in progress"
              },
              "edt": "0x41"
            },
            {
              "value": "pause",
              "descriptions": {
                "ja": "洗濯乾燥一時停止",
                "en": "Suspend(ed)"
              },
              "edt": "0x42"
            },
            {
              "value": "stop",
              "descriptions": {
```


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```
                "ja": "洗濯乾燥停止",
                "en": "Stop(ped)"
              },
              "edt": "0x43"
            }
          ]
        }
      },
      "washerDryerCycle1": {
        "epc": "0xD0",
        "descriptions": {
          "ja": "洗濯乾燥コース設定1",
          "en": "Washer and dryer cycle setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "washDryStandard",
            "washDrySilent",
            "washDryHeavilySoiled",
            "washDryHardToRemove",
            "washDryPresoaking",
            "washDryBlankets",
            "washDrySoft",
            "washDryDrymark",
            "washDryCleanRinsing",
            "washDryIroning",
            "washDryHangDrying",
            "washDryThick",
            "washDryDisinfection",
            "washDryOilStrains",
            "washDryMemory",
            "washDryDetergentSaving",
            "washDryLightlySoiled",
            "washDrySmallAmountQuick",
            "washStandard",
            "washSilent",
            "washHeavilySoiled",
            "washHardToRemove",
            "washPresoaking",
            "washBlankets",
            "washSoft",
            "washDrymark",
            "washCleanRinsing",
            "washDisinfection",
            "washOilStrains",
            "washMemory",
            "washDetergentSaving",
            "washLightlySoiled",
            "washSmallAmountQuick",
            "washTankCleaning",
            "dryStandard",
            "dryBlankets",
            "drySoft",
            "dryDrymark",
            "dryIroning",
            "dryHangDrying",
            "dryThick",
            "dryDisinfection",
            "dryShrinkageMinimization",
            "dryFinishing",
            "dryStationaryDrying",
            "dryUserDefinedTime",
```


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```
            "dryWarming",
            "dryTankDrying"
          ],
          "values": [
            {
              "value": "washDryStandard",
              "descriptions": {
                "ja": "＜洗濯乾燥コース＞標準",
                "en": "<Washing and drying course> Standard"
              },
              "edt": "0x21"
            },
            {
              "value": "washDrySilent",
              "descriptions": {
                "ja": "＜洗濯乾燥コース＞静音",
                "en": "<Washing and drying course> Silent"
              },
              "edt": "0x22"
            },
            {
              "value": "washDryHeavilySoiled",
              "descriptions": {
                "ja": "＜洗濯乾燥コース＞汚れ大",
                "en": "<Washing and drying course> Heavily soiled clothes"
              },
              "edt": "0x23"
            },
            {
              "value": "washDryHardToRemove",
              "descriptions": {
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          "washDryCleanRinsing",
          "washDryDisinfection",
          "washDryOilStrains",
          "washDryMemory",
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              "en": "<Washing and drying course> Ironing/business shirts"
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              "en": "<Washing and drying course> Oil stains"
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              "en": "<Drying course> Blankets"
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              "en": "<Drying course> Soft"
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            "edt": "0xAA"
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              "en": "<Drying course> Stationary drying"
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            "edt": "0xAB"
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              "washDryBlankets",
              "washDrySoft",
              "washDryDrymark",
              "washDryCleanRinsing",
              "washDryDisinfection",
              "washDryOilStrains",
              "washDryMemory",
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              "washDryLightlySoiled",
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                    "en": "Remaining time unknown"
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          ]
        }
      },
      "dryingTimeRemaining": {
        "epc": "0xDC",
        "descriptions": {
          "ja": "乾燥残り時間",
          "en": "Remaining drying time"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "minute",
              "minimum": 0,
              "maximum": 15299
            },
            {
```


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```
            "type": "string",
            "enum": [
              "unknown"
            ],
            "values": [
              {
                "value": "unknown",
                "descriptions": {
                  "ja": "残り時間不明",
                  "en": "Remaining time unknown"
                },
                "edt": "0xFF"
              }
            ]
          }
        ]
      }
    },
    "onTimerElapsed": {
      "epc": "0xDF",
      "descriptions": {
        "ja": "ONタイマ経過時間",
        "en": "Elapsed time on the ON timer"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "minute",
        "minimum": 0,
        "maximum": 15359
      }
    },
    "presoakingTime": {
      "epc": "0xE1",
      "descriptions": {
        "ja": "つけおき行程時間設定値",
        "en": "Presoaking time setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "oneOf": [
          {
            "type": "object",
            "properties": {
              "absolute": {
                "descriptions": {
                  "ja": "絶対値指定",
                  "en": "Absolute setting"
                },
                "type": "number",
                "unit": "minute",
                "minimum": 0,
                "maximum": 1439
              }
            }
          },
          {
            "type": "object",
            "properties": {
              "relative": {
                "descriptions": {
                  "ja": "自動からの相対指定 (0は自動設定)",
                  "en": "Relative setting relative to the automatic setting (0 means Automatic
```


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```
setting)"
                },
                "type": "number",
                "unit": "minute",
                "minimum": -60,
                "maximum": 60
              }
            }
          }
        ]
      }
    },
    "currentStage": {
      "epc": "0xE2",
      "descriptions": {
        "ja": "洗濯乾燥遷移状態",
        "en": "Current stage of washer and dryer cycle"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "washing",
          "rinsing",
          "spinDrying",
          "suspended",
          "washingCompleted",
          "washingDryingCompleted",
          "drying",
          "wrinkleMinimizing",
          "dryingWrinkleMinimizingCompleted",
          "standby",
          "1stRinsing",
          "2ndRinsing",
          "3rdRinsing",
          "4thRinsing",
          "5thRinsing",
          "6thRinsing",
          "7thRinsing",
          "8thRinsing",
          "1stSpinDrying",
          "2ndSpinDrying",
          "3rdSpinDrying",
          "4thSpinDrying",
          "5thSpinDrying",
          "6thSpinDrying",
          "7thSpinDrying",
          "8thSpinDrying",
          "preheatSpinDrying"
        ],
        "values": [
          {
            "value": "washing",
            "descriptions": {
              "ja": "洗い",
              "en": "Washing"
            },
            "edt": "0x41"
          },
          {
            "value": "rinsing",
            "descriptions": {
              "ja": "すすぎ",
              "en": "Rinsing"
```


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```
            },
            "edt": "0x42"
          },
          {
            "value": "spinDrying",
            "descriptions": {
              "ja": "脱水",
              "en": "Spin drying"
            },
            "edt": "0x43"
          },
          {
            "value": "suspended",
            "descriptions": {
              "ja": "一時停止",
              "en": "Suspended"
            },
            "edt": "0x44"
          },
          {
            "value": "washingCompleted",
            "descriptions": {
              "ja": "洗濯完了",
              "en": "Washing completed"
            },
            "edt": "0x45"
          },
          {
            "value": "washingDryingCompleted",
            "descriptions": {
              "ja": "洗濯／乾燥（ソフトキープなし）完了",
              "en": "Washing/drying (without wrinkling minimization) completed"
            },
            "edt": "0x51"
          },
          {
            "value": "drying",
            "descriptions": {
              "ja": "乾燥",
              "en": "Drying"
            },
            "edt": "0x52"
          },
          {
            "value": "wrinkleMinimizing",
            "descriptions": {
              "ja": "ソフトキープ",
              "en": "Wrinkling minimization"
            },
            "edt": "0x53"
          },
          {
            "value": "dryingWrinkleMinimizingCompleted",
            "descriptions": {
              "ja": "乾燥（ソフトキープあり）完了",
              "en": "Drying (with wrinkling minimization) completed"
            },
            "edt": "0x54"
          },
          {
            "value": "standby",
            "descriptions": {
              "ja": "運転前待機中",
              "en": "Standing by to start"
            },
```


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```
            "edt": "0x61"
          },
          {
            "value": "1stRinsing",
            "descriptions": {
              "ja": "第1すすぎ",
              "en": "1st rinsing"
            },
            "edt": "0x71"
          },
          {
            "value": "2ndRinsing",
            "descriptions": {
              "ja": "第2すすぎ",
              "en": "2nd rinsing"
            },
            "edt": "0x72"
          },
          {
            "value": "3rdRinsing",
            "descriptions": {
              "ja": "第3すすぎ",
              "en": "3rd rinsing"
            },
            "edt": "0x73"
          },
          {
            "value": "4thRinsing",
            "descriptions": {
              "ja": "第4すすぎ",
              "en": "4th rinsing"
            },
            "edt": "0x74"
          },
          {
            "value": "5thRinsing",
            "descriptions": {
              "ja": "第5すすぎ",
              "en": "5th rinsing"
            },
            "edt": "0x75"
          },
          {
            "value": "6thRinsing",
            "descriptions": {
              "ja": "第6すすぎ",
              "en": "6th rinsing"
            },
            "edt": "0x76"
          },
          {
            "value": "7thRinsing",
            "descriptions": {
              "ja": "第7すすぎ",
              "en": "7th rinsing"
            },
            "edt": "0x77"
          },
          {
            "value": "8thRinsing",
            "descriptions": {
              "ja": "第8すすぎ",
              "en": "8th rinsing"
            },
            "edt": "0x78"
```


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```
            },
            {
              "value": "1stSpinDrying",
              "descriptions": {
                "ja": "第1脱水",
                "en": "1st spin drying"
              },
              "edt": "0x81"
            },
            {
              "value": "2ndSpinDrying",
              "descriptions": {
                "ja": "第2脱水",
                "en": "2nd spin drying"
              },
              "edt": "0x82"
            },
            {
              "value": "3rdSpinDrying",
              "descriptions": {
                "ja": "第3脱水",
                "en": "3rd spin drying"
              },
              "edt": "0x83"
            },
            {
              "value": "4thSpinDrying",
              "descriptions": {
                "ja": "第4脱水",
                "en": "4th spin drying"
              },
              "edt": "0x84"
            },
            {
              "value": "5thSpinDrying",
              "descriptions": {
                "ja": "第5脱水",
                "en": "5th spin drying"
              },
              "edt": "0x85"
            },
            {
              "value": "6thSpinDrying",
              "descriptions": {
                "ja": "第6脱水",
                "en": "6th spin drying"
              },
              "edt": "0x86"
            },
            {
              "value": "7thSpinDrying",
              "descriptions": {
                "ja": "第7脱水",
                "en": "7th spin drying"
              },
              "edt": "0x87"
            },
            {
              "value": "8thSpinDrying",
              "descriptions": {
                "ja": "第8脱水",
                "en": "8th spin drying"
              },
              "edt": "0x88"
            },
```


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```
            {
              "value": "preheatSpinDrying",
              "descriptions": {
                "ja": "プリヒート脱水",
                "en": "Preheat spin drying"
              },
              "edt": "0x91"
            }
          ]
        }
      },
      "waterVolumeByLiter": {
        "epc": "0xE3",
        "descriptions": {
          "ja": "水量設定1",
          "en": "Water volume setting 1"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "object",
              "properties": {
                "absolute": {
                  "descriptions": {
                    "ja": "絶対値指定",
                    "en": "Absolute setting"
                  },
                  "type": "number",
                  "unit": "liter",
                  "minimum": 0,
                  "maximum": 127
                }
              }
            },
            {
              "type": "object",
              "properties": {
                "relative": {
                  "descriptions": {
                    "ja": "自動からの相対指定 (0は自動設定)",
                    "en": "Relative setting relative to the automatic setting (0 means Automatic
setting)"
                  },
                  "type": "number",
                  "unit": "liter",
                  "minimum": -32,
                  "maximum": 32
                }
              }
            }
          ]
        },
        "note": {
          "ja": "0xA0 to 0xBF プラス相対指定、0xC0 to 0xDF マイナス相対指定",
          "en": "0xA0 to 0xBF Relative plus, 0xC0 to 0xDF Relative minus"
        }
      },
      "waterVolumeByStep": {
        "epc": "0xE4",
        "descriptions": {
          "ja": "水量設定2",
          "en": "Water volume setting 2"
        },
```


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```
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "object",
              "properties": {
                "absolute": {
                  "descriptions": {
                    "ja": "絶対値指定",
                    "en": "Absolute setting"
                  },
                  "type": "number",
                  "minimum": 1,
                  "maximum": 16,
                  "multipleOf": 1
                }
              }
            },
            {
              "type": "object",
              "properties": {
                "relative": {
                  "descriptions": {
                    "ja": "自動からの相対指定 (0は自動設定)",
                    "en": "Relative setting relative to the automatic setting (0 means Automatic
setting)"
                  },
                  "type": "number",
                  "minimum": -8,
                  "maximum": 8,
                  "multipleOf": 1
                }
              }
            }
          ]
        }
      },
      "washingTime": {
        "epc": "0xE5",
        "descriptions": {
          "ja": "洗い時間設定値",
          "en": "Washing time setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "object",
              "properties": {
                "absolute": {
                  "descriptions": {
                    "ja": "絶対値指定",
                    "en": "Absolute setting"
                  },
                  "type": "number",
                  "unit": "minute",
                  "minimum": 0,
                  "maximum": 1439
                }
              }
            },
            {
              "type": "object",
```


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```
              "properties": {
                "relative": {
                  "descriptions": {
                    "ja": "自動からの相対指定 (0は自動設定)",
                    "en": "Relative setting relative to the automatic setting (0 means Automatic
setting)"
                  },
                  "type": "number",
                  "unit": "minute",
                  "minimum": -60,
                  "maximum": 60
                }
              }
            }
          ]
        }
      },
      "rinsingCount": {
        "epc": "0xE6",
        "descriptions": {
          "ja": "すすぎ回数設定値",
          "en": "Number of times of rinsing setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 0,
              "maximum": 8
            },
            {
              "type": "string",
              "enum": [
                "auto"
              ],
              "values": [
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "自動",
                    "en": "Automatic"
                  },
                  "edt": "0xFF"
                }
              ]
            }
          ]
        }
      },
      "rinsingProcess": {
        "epc": "0xE7",
        "descriptions": {
          "ja": "すすぎモード設定",
          "en": "Rinsing process setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 1,
          "maxItems": 8,
          "items": {
            "type": "string",
```


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```
            "enum": [
              "auto",
              "withoutAdditionalWater",
              "withAdditionalWater",
              "shower"
            ],
            "values": [
              {
                "value": "auto",
                "descriptions": {
                  "ja": "モード自動設定",
                  "en": "Automatic mode"
                },
                "edt": "0x00"
              },
              {
                "value": "withoutAdditionalWater",
                "descriptions": {
                  "ja": "溜めすすぎ",
                  "en": "Rinsing without additional feeding of water from the tap"
                },
                "edt": "0x01"
              },
              {
                "value": "withAdditionalWater",
                "descriptions": {
                  "ja": "流水すすぎ",
                  "en": "Rinsing with additional feeding of water from the tap"
                },
                "edt": "0x02"
              },
              {
                "value": "shower",
                "descriptions": {
                  "ja": "シャワーすすぎ",
                  "en": "Shower rinsing"
                },
                "edt": "0x03"
              }
            ]
          }
        }
      },
      "spinDryingTime": {
        "epc": "0xE8",
        "descriptions": {
          "ja": "脱水時間設定値",
          "en": "Spin drying time setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "object",
              "properties": {
                "absolute": {
                  "descriptions": {
                    "ja": "絶対値指定",
                    "en": "Absolute setting"
                  },
                  "type": "number",
                  "unit": "minute",
                  "minimum": 0,
                  "maximum": 59
```


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```
                }
              }
            },
            {
              "type": "object",
              "properties": {
                "relative": {
                  "descriptions": {
                    "ja": "自動からの相対指定 (0は自動設定)",
                    "en": "Relative setting relative to the automatic setting (0 means Automatic
setting)"
                  },
                  "type": "number",
                  "unit": "minute",
                  "minimum": -32,
                  "maximum": 32
                }
              }
            }
          ]
        }
      },
      "dryingTime": {
        "epc": "0xE9",
        "descriptions": {
          "ja": "乾燥時間設定値",
          "en": "Drying time setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "object",
              "properties": {
                "absolute": {
                  "descriptions": {
                    "ja": "絶対値指定",
                    "en": "Absolute setting"
                  },
                  "type": "number",
                  "unit": "minute",
                  "minimum": 0,
                  "maximum": 1439
                }
              }
            },
            {
              "type": "object",
              "properties": {
                "relative": {
                  "descriptions": {
                    "ja": "自動からの相対指定 (0は自動設定)",
                    "en": "Relative setting relative to the automatic setting (0 means Automatic
setting)"
                  },
                  "type": "number",
                  "unit": "minute",
                  "minimum": -60,
                  "maximum": 60
                }
              }
            }
          ]
        }
```


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```
      },
      "waterTemperature": {
        "epc": "0xEA",
        "descriptions": {
          "ja": "洗い温水設定値",
          "en": "Warm water setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "Celsius",
              "minimum": 0,
              "maximum": 100
            },
            {
              "type": "string",
              "enum": [
                "noWarmWater",
                "auto"
              ],
              "values": [
                {
                  "value": "noWarmWater",
                  "descriptions": {
                    "ja": "温水不使用",
                    "en": "Not to use warm water"
                  },
                  "edt": "0xFE"
                },
                {
                  "value": "auto",
                  "descriptions": {
                    "ja": "温度自動設定",
                    "en": "Automatic water temperature setting"
                  },
                  "edt": "0xFF"
                }
              ]
            }
          ]
        }
      },
      "bathtubWaterRecycle": {
        "epc": "0xEB",
        "descriptions": {
          "ja": "風呂水設定",
          "en": "Bathtub water recycle setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "string",
          "enum": [
            "none",
            "washing",
            "rinsingWithoutFinal",
            "rinsing",
            "washingRinsingWithoutFinal",
            "washingRinsing"
          ],
          "values": [
            {
```


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```
            "value": "none",
            "descriptions": {
              "ja": "風呂水給水なし",
              "en": "Bathtub water not used"
            },
            "edt": "0x40"
          },
          {
            "value": "washing",
            "descriptions": {
              "ja": "洗いのみ",
              "en": "Washing only"
            },
            "edt": "0x41"
          },
          {
            "value": "rinsingWithoutFinal",
            "descriptions": {
              "ja": "すすぎのみ (除く最終すすぎ)",
              "en": "Rinsing only (excluding the final rinsing)"
            },
            "edt": "0x42"
          },
          {
            "value": "rinsing",
            "descriptions": {
              "ja": "全すすぎ",
              "en": "All rinsing processes"
            },
            "edt": "0x43"
          },
          {
            "value": "washingRinsingWithoutFinal",
            "descriptions": {
              "ja": "洗い+すすぎ (除く最終すすぎ)",
              "en": "Washing + rinsing (excluding the final rinsing)"
            },
            "edt": "0x44"
          },
          {
            "value": "washingRinsing",
            "descriptions": {
              "ja": "洗い＋全すすぎ",
              "en": "Washing + all rinsing processes"
            },
            "edt": "0x45"
          }
        ]
      }
    },
    "wrinklingMinimization": {
      "epc": "0xEC",
      "descriptions": {
        "ja": "ソフトキープ設定",
        "en": "Wrinkling minimization setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "enable",
          "disable"
        ],
        "values": [
```


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```
            {
              "value": "enable",
              "descriptions": {
                "ja": "ソフトキープ入り",
                "en": "Wrinkling minimization function on"
              },
              "edt": "0x41"
            },
            {
              "value": "disable",
              "descriptions": {
                "ja": "ソフトキープ切り",
                "en": "Wrinkling minimization function off"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "washingDryingTimeRemaining": {
        "epc": "0xED",
        "descriptions": {
          "ja": "洗濯乾燥残り時間",
          "en": "Time remaining to complete washer and dryer cycle"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "unit": "minute",
              "minimum": 0,
              "maximum": 15299
            },
            {
              "type": "string",
              "enum": [
                "unknown"
              ],
              "values": [
                {
                  "value": "unknown",
                  "descriptions": {
                    "ja": "残り時間不明",
                    "en": "Remaining time unknown"
                  },
                  "edt": "0xFF"
                }
              ]
            }
          ]
        }
      },
      "doorLockStatus": {
        "epc": "0xEE",
        "descriptions": {
          "ja": "運転中扉・蓋ロック設定",
          "en": "Door/cover lock setting"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
```


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```
            {
              "value": true,
              "descriptions": {
                "ja": "ロック",
                "en": "Locked"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "アンロック",
                "en": "Unlocked"
              },
              "edt": "0x42"
            }
          ]
        }
      }
    }
  }
```


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業務用ショーケース向け室外機:commercialShowcaseOutdoorUnit:0x03D4

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
exceptionalStatus	GET	boolean	0xAA	特殊状態 Indicates that the showcase freezer is in an exceptional status.	
operationMode	GET, PUT	string	0xB0	運転モード設定 Operation mode setting	
outdoorAirTemperature	GET	number	0xBE	外気温度計測値 Used to acquire measurements of outdoor air temperature.	
groupInformation	GET, PUT	number, string	0xCA	グループ情報 Group information	
compressorOperationStatus	GET, PUT	boolean	0xE2	コンプレッサ動作状態 Indicates compressor ON/OFF status.	
groupDeviceList	GET	array	-	グループ内デバイスリスト List of devices in group	*1

*1 グループ情報の "groupDeviceList" は、WebAPIのdevicesで管理されている機器のIdおよびその"deviceType"を記述

Device Description

```
{
  "deviceType": "commercialShowcaseOutdoorUnit",
  "metaData": {
    "version": "1.3.0"
  },
  "eoj": "0x03D4",
  "descriptions": {
    "ja": "業務用ショーケース向け室外機",
    "en": "Commercial show case outdoor unit"
  },
  "properties": {
    "exceptionalStatus": {
      "epc": "0xAA",
      "descriptions": {
        "ja": "特殊状態",
        "en": "Indicates that the showcase freezer is in an exceptional status."
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {
            "value": true,
            "descriptions": {
```


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```
                "ja": "除霜状態",
                "en": "Defrosting status"
              },
              "edt": "0x41"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "通常状態",
                "en": "Normal status"
              },
              "edt": "0x40"
            }
          ]
        }
      },
      "operationMode": {
        "epc": "0xB0",
        "descriptions": {
          "ja": "運転モード設定",
          "en": "Operation mode setting"
        },
        "writable": true,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "cooling",
            "nonCooling"
          ],
          "values": [
            {
              "value": "cooling",
              "descriptions": {
                "ja": "冷却",
                "en": "Cooling"
              },
              "edt": "0x41"
            },
            {
              "value": "nonCooling",
              "descriptions": {
                "ja": "非冷",
                "en": "Non-cooling"
              },
              "edt": "0x42"
            }
          ]
        }
      },
      "outdoorAirTemperature": {
        "epc": "0xBE",
        "descriptions": {
          "ja": "外気温度計測値",
          "en": "Used to acquire measurements of outdoor air temperature."
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "number",
          "unit": "Celsius",
          "minimum": -127,
          "maximum": 125,
          "multipleOf": 1
        }
```


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```
      },
      "groupInformation": {
        "epc": "0xCA",
        "descriptions": {
          "ja": "グループ情報",
          "en": "Group information"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "oneOf": [
            {
              "type": "number",
              "minimum": 1,
              "maximum": 253
            },
            {
              "type": "string",
              "enum": [
                "none"
              ],
              "values": [
                {
                  "value": "none",
                  "descriptions": {
                    "ja": "設定なし",
                    "en": "None"
                  },
                  "edt": "0x00"
                }
              ]
            }
          ]
        }
      },
      "compressorOperationStatus": {
        "epc": "0xE2",
        "descriptions": {
          "ja": "コンプレッサ動作状態",
          "en": "Indicates compressor ON/OFF status."
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "boolean",
          "values": [
            {
              "value": true,
              "descriptions": {
                "ja": "ON",
                "en": "ON"
              },
              "edt": "0x30"
            },
            {
              "value": false,
              "descriptions": {
                "ja": "OFF",
                "en": "OFF"
              },
              "edt": "0x31"
            }
          ]
        }
      },
```


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```
      "groupDeviceList": {
        "descriptions": {
          "ja": "グループ内デバイスリスト",
          "en": "List of devices in group"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "items": {
            "type": "object",
            "properties": {
              "deviceId": {
                "type": "string"
              },
              "deviceType": {
                "type": "string"
              }
            }
          }
        },
        "note": {
          "ja": "WebAPIの'devices'で管理されている機器のIDおよびその'deviceType'を記述",
          "en": "Describe the ID of the device managed in 'devices' of WebAPI and its 'deviceType'."
        }
      }
    }
  }
```


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スイッチ（JEM-A/HA端子対応）:switch:0x05FD

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
connectedDevice	GET, PUT	string	0xE0	接続機器 Connected device	

Device Description

```
{
  "deviceType": "switch",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x05FD",
  "descriptions": {
    "ja": "スイッチ（JEM-A/HA端子対応）",
    "en": "Switch (supporting JEM-A/HA terminals)"
  },
  "properties": {
    "connectedDevice": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "接続機器",
        "en": "Connected device"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string"
      },
      "note": {
        "ja": "アスキーコードで保持（12byte）",
        "en": "ASCII code (12byte)"
      }
    }
  }
}
```


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コントローラ:controller:0x05FF

List of Devicesに戻る

Note to Client:

コントローラでは「APPENDIX ECHONET機器オブジェクト詳細規定」における必須プロパティにのみ対応している。

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
controllerId	GET	string	0xC0	コントローラID Controller ID	
numberOfDevices	GET	number	0xC1	管理台数 Number of devices controlled	
deviceList	GET	array	0xC2	機器情報リスト List of device information	*1

*1 EPC=0xC2, C3, C4, C6, C7に対応した値をobjectのarrayで表現する

Device Description

```
{
  "deviceType": "controller",
  "metaData": {
    "version": "1.3.0"
  },
  "eoj": "0x05FF",
  "descriptions": {
    "ja": "コントローラ",
    "en": "Controller"
  },
  "properties": {
    "controllerId": {
      "epc": "0xC0",
      "descriptions": {
        "ja": "コントローラID",
        "en": "Controller ID"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "string"
      }
    },
    "numberOfDevices": {
      "epc": "0xC1",
      "descriptions": {
        "ja": "管理台数",
        "en": "Number of devices controlled"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "minimum": 0,
        "maximum": 65533
      }
```


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```
      },
      "deviceList": {
        "epc": "0xC2",
        "descriptions": {
          "ja": "機器情報リスト",
          "en": "List of device information"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "array",
          "minItems": 0,
          "maxItems": 65533,
          "items": {
            "type": "object",
            "properties": {
              "deviceId": {
                "type": "string"
              },
              "deviceType": {
                "type": "string"
              },
              "connection": {
                "type": "string",
                "enum": [
                  "connected",
                  "disconnected",
                  "notRegistered",
                  "deleted"
                ],
                "values": [
                  {
                    "value": "connected",
                    "descriptions": {
                      "ja": "接続中",
                      "en": "Connected"
                    },
                    "edt": "0x41"
                  },
                  {
                    "value": "disconnected",
                    "descriptions": {
                      "ja": "離脱中",
                      "en": "Disconnected"
                    },
                    "edt": "0x42"
                  },
                  {
                    "value": "notRegistered",
                    "descriptions": {
                      "ja": "未登録",
                      "en": "Not registered"
                    },
                    "edt": "0x43"
                  },
                  {
                    "value": "deleted",
                    "descriptions": {
                      "ja": "削除",
                      "en": "Deleted"
                    },
                    "edt": "0x44"
                  }
                ]
              },
```


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```
              "manufactureCode": {
                "type": "string"
              }
            }
          }
        },
        "note": {
          "ja": "EPC=0xC2, C3, C4, C6, C7に対応した値をobjectのarrayで表現する",
          "en": "This property deals with info from 0xC2, C3, C4, C6 and 0xC7 altogether."
        }
      }
    }
  }
```


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テレビ:tv:0x0602

List of Devicesに戻る

Properties

Property Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
displayControlStatus	GET, PUT	string	0xB0	表示制御設定 Display control setting	
stringSettingAcceptanceStatus	GET	string	0xB1	文字列設定受付可能状態 Character string setting acceptance status	
supportedCharacterCode	GET	object	0xB2	表示可能文字コード Supported character codes	
characterStringPresented	GET, PUT	object	0xB3	伝達文字列設定 Character string to present to the user	
lengthOfStringAccepted	GET	object	0xB4	受付け伝達文字列長 Length of character string accepted	

Device Description

```
{
  "deviceType": "tv",
  "metaData": {
    "version": "1.4.0"
  },
  "eoj": "0x0602",
  "descriptions": {
    "ja": "テレビ",
    "en": "Television"
  },
  "properties": {
    "displayControlStatus": {
      "epc": "0xB0",
      "descriptions": {
        "ja": "表示制御設定",
        "en": "Display control setting"
      },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": [
          "enabled",
          "disabled"
        ],
        "values": [
          {
            "value": "enabled",
            "descriptions": {
```


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```
                "ja": "表示",
                "en": "Displaying enabled"
              },
              "edt": "0x30"
            },
            {
              "value": "disabled",
              "descriptions": {
                "ja": "非表示",
                "en": "Displaying disabled"
              },
              "edt": "0x31"
            }
          ]
        }
      },
      "stringSettingAcceptanceStatus": {
        "epc": "0xB1",
        "descriptions": {
          "ja": "文字列設定受付可能状態",
          "en": "Character string setting acceptance status"
        },
        "writable": false,
        "observable": true,
        "schema": {
          "type": "string",
          "enum": [
            "ready",
            "busy"
          ],
          "values": [
            {
              "value": "ready",
              "descriptions": {
                "ja": "Ready",
                "en": "Ready"
              },
              "edt": "0x30"
            },
            {
              "value": "busy",
              "descriptions": {
                "ja": "Busy",
                "en": "Busy"
              },
              "edt": "0x31"
            }
          ]
        },
        "note": {
          "ja": "快適支援サービスとセキュリティサービスに対応する場合、本プロパティの搭載は必須とする",
          "en": "In the case where a 'home amenity service' or a 'security service' is to be
supported, the implementation of this property is mandatory."
        }
      },
      "supportedCharacterCode": {
        "epc": "0xB2",
        "descriptions": {
          "ja": "表示可能文字コード",
          "en": "Supported character codes"
        },
        "writable": false,
        "observable": false,
        "schema": {
          "type": "object",
```


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```
          "properties": {
            "ansiX34Equipped": {
              "type": "boolean",
              "values": [
                {
                  "value": false,
                  "descriptions": {
                    "ja": "非搭載",
                    "en": "Not implemented"
                  },
                  "edt": "0x00"
                },
                {
                  "value": true,
                  "descriptions": {
                    "ja": "搭載",
                    "en": "Implemented"
                  },
                  "edt": "0x01"
                }
              ]
            },
            "shiftJisEquipped": {
              "type": "boolean",
              "values": [
                {
                  "value": false,
                  "descriptions": {
                    "ja": "非搭載",
                    "en": "Not implemented"
                  },
                  "edt": "0x00"
                },
                {
                  "value": true,
                  "descriptions": {
                    "ja": "搭載",
                    "en": "Implemented"
                  },
                  "edt": "0x01"
                }
              ]
            },
            "jisEquipped": {
              "type": "boolean",
              "values": [
                {
                  "value": false,
                  "descriptions": {
                    "ja": "非搭載",
                    "en": "Not implemented"
                  },
                  "edt": "0x00"
                },
                {
                  "value": true,
                  "descriptions": {
                    "ja": "搭載",
                    "en": "Implemented"
                  },
                  "edt": "0x01"
                }
              ]
            },
            "japaneseEucEquipped": {
```


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```
            "type": "boolean",
            "values": [
              {
                "value": false,
                "descriptions": {
                  "ja": "非搭載",
                  "en": "Not implemented"
                },
                "edt": "0x00"
              },
              {
                "value": true,
                "descriptions": {
                  "ja": "搭載",
                  "en": "Implemented"
                },
                "edt": "0x01"
              }
            ]
          },
          "ucs4Equipped": {
            "type": "boolean",
            "values": [
              {
                "value": false,
                "descriptions": {
                  "ja": "非搭載",
                  "en": "Not implemented"
                },
                "edt": "0x00"
              },
              {
                "value": true,
                "descriptions": {
                  "ja": "搭載",
                  "en": "Implemented"
                },
                "edt": "0x01"
              }
            ]
          },
          "ucs2Equipped": {
            "type": "boolean",
            "values": [
              {
                "value": false,
                "descriptions": {
                  "ja": "非搭載",
                  "en": "Not implemented"
                },
                "edt": "0x00"
              },
              {
                "value": true,
                "descriptions": {
                  "ja": "搭載",
                  "en": "Implemented"
                },
                "edt": "0x01"
              }
            ]
          },
          "latin1Equipped": {
            "type": "boolean",
            "values": [
```


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```
                {
                  "value": false,
                  "descriptions": {
                    "ja": "非搭載",
                    "en": "Not implemented"
                  },
                  "edt": "0x00"
                },
                {
                  "value": true,
                  "descriptions": {
                    "ja": "搭載",
                    "en": "Implemented"
                  },
                  "edt": "0x01"
                }
              ]
            },
            "utf8Equipped": {
              "type": "boolean",
              "values": [
                {
                  "value": false,
                  "descriptions": {
                    "ja": "非搭載",
                    "en": "Not implemented"
                  },
                  "edt": "0x00"
                },
                {
                  "value": true,
                  "descriptions": {
                    "ja": "搭載",
                    "en": "Implemented"
                  },
                  "edt": "0x01"
                }
              ]
            }
          }
        },
        "note": {
          "ja": "快適支援サービスとセキュリティサービスに対応する場合、本プロパティの搭載は必須とする",
          "en": "In the case where a 'home amenity service' or a 'security service' is to be
supported, the implementation of this property is mandatory."
        }
      },
      "characterStringPresented": {
        "epc": "0xB3",
        "descriptions": {
          "ja": "伝達文字列設定",
          "en": "Character string to present to the user"
        },
        "writable": true,
        "observable": false,
        "schema": {
          "type": "object",
          "properties": {
            "length": {
              "descriptions": {
                "ja": "伝達文字バイトコード列データ長の16 進換算値",
                "en": "Byte code sequence data length of the character string to present to the user
converted to the hexadecimal format"
              },
              "type": "number",
```


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```
            "minimum": 0,
            "maximum": 244
          },
          "characterCode": {
            "descriptions": {
              "ja": "使用文字コード",
              "en": "Character code to use"
            },
            "type": "string",
            "enum": [
              "ansi_x3_4",
              "shift_jis",
              "jis",
              "japanese_euc",
              "ucs_4",
              "ucs_2",
              "latin_1",
              "utf_8"
            ],
            "values": [
              {
                "value": "ansi_x3_4",
                "descriptions": {
                  "ja": "ANSI X3.4",
                  "en": "ANSI X3.4"
                },
                "edt": "0x01"
              },
              {
                "value": "shift_jis",
                "descriptions": {
                  "ja": "Shift-JIS",
                  "en": "Shift-JIS"
                },
                "edt": "0x02"
              },
              {
                "value": "jis",
                "descriptions": {
                  "ja": "JIS",
                  "en": "JIS"
                },
                "edt": "0x03"
              },
              {
                "value": "japanese_euc",
                "descriptions": {
                  "ja": "日本語EUC",
                  "en": "Japanese EUC"
                },
                "edt": "0x04"
              },
              {
                "value": "ucs_4",
                "descriptions": {
                  "ja": "UCS-4",
                  "en": "UCS-4"
                },
                "edt": "0x05"
              },
              {
                "value": "ucs_2",
                "descriptions": {
                  "ja": "UCS-2",
                  "en": "UCS-2"
```


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```
                },
                "edt": "0x06"
              },
              {
                "value": "latin_1",
                "descriptions": {
                  "ja": "Latin-1",
                  "en": "Latin-1"
                },
                "edt": "0x07"
              },
              {
                "value": "utf_8",
                "descriptions": {
                  "ja": "UTF-8",
                  "en": "UTF-8"
                },
                "edt": "0x08"
              }
            ]
          },
          "characterString": {
            "descriptions": {
              "ja": "Max244Byte 分の伝達文字列バイトコード列",
              "en": "Byte code sequence of the character string to present to the user (max.244
bytes)"
            },
            "type": "string"
          }
        }
      }
    },
    "lengthOfStringAccepted": {
      "epc": "0xB4",
      "descriptions": {
        "ja": "受付け伝達文字列長",
        "en": "Length of character string accepted"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "length": {
            "descriptions": {
              "ja": "文字列の総バイト数",
              "en": "data size of the string"
            },
            "type": "number",
            "minimum": 0,
            "maximum": 244
          }
        }
      },
      "note": {
        "ja": "快適支援サービスとセキュリティサービスに対応する場合、本プロパティの搭載は必須とする",
        "en": "In the case where a 'home amenity service' or a 'security service' is to be
supported, the implementation of this property is mandatory."
      }
    }
  }
}
```


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