

ECHONET Lite Web API ガイドライン
機器仕様部
Version 1.1.0



改定履歴

日付	版	説明
2018/10/03	Ver. 1.00	制定、一般公開
2019/8/21	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

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 - 炊飯器:riceCooker:0x03BB
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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3章に、各機器オブジェクトに関するDevice Description例を第4章に記述する。Device Description例は、AIF認証にて規定されている機器のいくつかについて例示している。

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 Device Description

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

```

    {
      "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: boolean

```
{ "operationStatus":true }, { "operationStatus":false }
```

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	enumerate available strings
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": "Normal 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

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

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

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

```
{ "operationMode": "normal" }, { "operationMode": "color" }
```

3.3 number

Format

```
{  
  "type": "number",  
  "unit": <unit>,  
  "minimum": <minimum number>,  
  "maximum": <maximum number>,  
  "multipleOf": <minimum digit>  
}
```

Keyword	Type	Required	Extention	Description
---------	------	----------	-----------	-------------

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

(*) multipleOfを記述していないnumberは、整数値で最小単位が1です。

Example of Schema

```
{
  "type": "number",
  "unit": "kWh",
  "minimum": 0,
  "maximum": 9999
}
```

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

```
{ "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  
    },  
    "green":{  
      "type":"number",  
      "minimum":0,  
      "maximum":255  
    },  
    "blue":{  
      "type":"number",
```

```
    "minimum":0,  
    "maximum":255  
  }  
}  
}
```

Example of body data

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

Example of Schema (LV smart meter, normDirCumulativeEnergyLog1)

```
{  
  "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

```
{  
  "normDirCumulativeEnergyLog1":{  
    "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>,
    ...
  ]
}
```

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 }, { "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。独自に定義する別の手段として、「POST /<deviceId>/echoCommands」を用いることも可能とする（ガイドライン本文5.5参照）。

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。サービサー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

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	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	
cumulativeElectricEnergy	GET	number	0x85	積算消費電力計測値 Measured cumulative power consumption	
manufacturerFaultCode	GET	string	0x86	メーカー異常コード Manufacturer fault code	
currentLimit	GET	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	

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

Installation location value	Installation location type	設置場所の種類(EL)
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
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",
  "eoj": "0x00",
  "descriptions": {"ja": "共通項目", "en": "Common items"},
  "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": {"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"}
            }
        }
    },
    "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
        }
    },
    "cumulativeElectricEnergy": {
        "epc": "0x85",
        "descriptions": {"ja": "積算消費電力計測値", "en": "Measured cumulative power consumption"},
        "writable": false,
        "observable": false,
        "schema": {
            "type": "number",
            "unit": "kWh",
            "minimum": 0,
            "maximum": 999999.999,
            "multipleOf": 0.001
        }
    },
    "manufacturerFaultCode": {
        "epc": "0x86",
        "descriptions": {"ja": "メーカー異常コード", "en": "Manufacturer 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"}, "edt":"0x41"},
                {"value":false, "descriptions":{"ja":"異常無し", "en":"No fault"},
"edt":"0x42"}
            ]
        }
    },
    "faultDescription":{
        "epc":"0x89",
        "descriptions":{"ja":"異常内容", "en":"Fault description" },
        "writable":false,
        "observable":true,
        "schema":{"type":"string" }
    },
    "manufacturer":{
        "epc":"0x8A",
        "descriptions":{"ja":"メーカー", "en":"Manufacturer"},
        "writable":false,
        "observable":false,
        "schema":{
            "type":"object",
            "properties":{
                "code":{"type":"string"},
                "descriptions":{
                    "type":"object",
                    "properties":{"ja":"string", "en":"string"}
                }
            }
        }
    },
    "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":true,
    "schema":{"
      "type":"boolean",
      "values":[
        {"value":true, "descriptions":{"ja":"節電動作", "en":"Power saving
operation"}, "edt":"0x41"},
        {"value":false, "descriptions":{"ja":"通常動作", "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" }
  },
  "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 operation time"},
  "writable": false,
  "observable": false,
  "schema": {
    "type": "number",
    "unit": "hour",
    "minimum": 0,
    "maximum": 4294967295
  }
}
}
}
}
}
}
}
}
}
}

```

5. 機器毎のDevice Description

以下に機器毎のDevice Descriptionを記述する（E0J順）。Web APIでDevice DescriptionをGETすると、前節の共通項目と機器毎のDevice Descriptionをマージしたものがレスポンスされる。

List of devices

機器名	Device Type	E0J	last updated	Note
家庭用エアコン	homeAirConditioner	0x0130	V1.10	*2
換気扇	ventilationFan	0x0133	V1.10	*1
空気清浄器	airCleaner	0x0135	V1.10	*1
業務用パッケージエアコン室内機	commercialAirConditionerIndoorUnit	0x0156	V1.10	*1
業務用パッケージエアコン室外機	commercialAirConditionerOutdoorUnit	0x0157	V1.10	*1
電動雨戸・シャッター	electricRainDoor	0x0263	V1.10	*1
電気温水器	electricWaterHeater	0x026B	V1.10	*2
電気錠	electricLock	0x026F	V1.10	*1
瞬間式給湯器	instantaneousWaterHeater	0x0272	V1.00	
浴室暖房乾燥機	bathroomHeaterDryer	0x0273	V1.10	*1
住宅用太陽光発電	pvPowerGeneration	0x0279	V1.10	*2
床暖房	floorHeater	0x027B	V1.10	*1
燃料電池	fuelCell	0x027C	V1.00	

機器名	Device Type	E0J	last updated	Note
蓄電池	storageBattery	0x027D	V1.00	
電気自動車充放電器	evChargerDischarger	0x027E	V1.10	*2
低圧スマート電力量メータ	lvSmartElectricEnergyMeter	0x0288	V1.10	*2
高圧スマート電力量メータ	hvSmartElectricEnergyMeter	0x028A	V1.00	
一般照明	generalLighting	0x0290	V1.00	
単機能照明	monoFunctionallighting	0x0291	V1.10	*1
電気自動車充電器	evCharger	0x02A1	V1.10	*2
拡張照明システム	enhancedLightingSystem	0x02A4	V1.10	*2
冷凍冷蔵庫	refrigerator	0x03B7	V1.10	*1
クッキングヒータ	cookingHeater	0x03B9	V1.10	*1
炊飯器	riceCooker	0x03BB	V1.10	*1
業務用ショーケース	commercialShowcase	0x03CE	V1.10	*1
業務用ショーケース向け室外機	commercialShowcaseOutdoorUnit	0x03D4	V1.10	*1
スイッチ	switch	0x05FD	V1.10	*1
コントローラ	controller	0x05FF	V1.10	*2

*1 本バージョンにて新規追加

*2 本バージョンにて修正

以降、各機器の詳細について記載する。なお、掲載は、前バージョン（新バージョンでの改定含む）、新バージョン（新規追加分）の順に記載する。

家庭用エアコン:homeAirConditioner:0x0130

Properties

Property Name	Resource	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	
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 Set temperature value	
humidity		GET	number	0xBA	室内相対湿度計測値 Measured value of room relative humidity	
roomTemperature		GET	number	0xBB	室内温度計測値 Measured value of room temperature	
airFlowTemperature		GET	number	0xBD	吹き出し温度計測値 Measured cooled air temperature	
outdoorTemperature		GET	number	0xBE	外気温度計測値 Measured outdoor air temperature	

Device Description

```
{
  "deviceType": "homeAirConditioner",
  "eoj": "0x0130",
  "descriptions": { "ja": "家庭用エアコン", "en": "Home Air Conditioner" },
  "properties": {
    "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
          },
          {
            "type": "string",
            "enum": [ "auto" ],
          }
        ]
      }
    }
  }
}
```

```

        "values":[
            {"value":"auto", "descriptions":{"ja":"自動", "en":"Auto"},
"edt":"0x41"}
        ]
    }
]
},
"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",
"other"],
        "values":[
            {"value":"auto", "descriptions":{"ja":"自動", "en":"Auto"}, "edt":"0x41"},
"edt":"0x42"},
            {"value":"cooling", "descriptions":{"ja":"冷房", "en":"Cooling"},
"edt":"0x43"},
            {"value":"heating", "descriptions":{"ja":"暖房", "en":"Heating"},
"en":"Dehumidification"}, "edt":"0x44"},
            {"value":"dehumidification", "descriptions":{"ja":"除湿",
"edt":"0x45"},
            {"value":"circulation", "descriptions":{"ja":"送風", "en":"Circulation"},
            {"value":"other", "descriptions":{"ja":"その他", "en":"Other"}, "edt":"0x40"}
        ]
    }
},
"targetTemperature":{
    "epc":"0xB3",
    "descriptions":{"ja":"温度設定値", "en":"Set temperature value"},
    "writable":true,
    "observable":false,
    "schema":{
        "type":"number",
        "unit":"Celsius",
        "minimum":0,
        "maximum":50
    }
},
"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":{
        "type":"number",
        "unit":"%",

```

```
        "minimum":0,  
        "maximum":100  
    }  
},  
"roomTemperature":{  
    "epc":"0xBB",  
    "descriptions":{"ja":"室内温度計測値", "en":"Measured value of room temperature"},  
    "writable":false,  
    "observable":false,  
    "schema":{  
        "type":"number",  
        "unit":"Celsius",  
        "minimum":-127,  
        "maximum":125  
    }  
},  
"airFlowTemperature":{  
    "epc":"0xBD",  
    "descriptions":{"ja":"吹き出し温度計測値", "en":"Measured cooled air temperature"},  
    "writable":false,  
    "observable":false,  
    "schema":{  
        "type":"number",  
        "unit":"Celsius",  
        "minimum":-127,  
        "maximum":125  
    }  
},  
"outdoorTemperature":{  
    "epc":"0xBE",  
    "descriptions":{"ja":"外気温度計測値", "en":"Measured outdoor air temperature"},  
    "writable":false,  
    "observable":false,  
    "schema":{  
        "type":"number",  
        "unit":"Celsius",  
        "minimum":-127,  
        "maximum":125  
    }  
}  
}  
}
```

瞬間式給湯器: instantaneousWaterHeater:0x0272

Properties

Property Name	Resource	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
hotWaterHeatingStatus		GET	boolean	0xD0	給湯器燃焼状態 Hot water heating status	
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	
bathOperationStatus		GET	string	0xEF	風呂動作状態監視 Bath operation status monitor	

Device Description

```
{
  "deviceType": "instantaneousWaterHeater",
  "eoj": "0x0272",
  "descriptions": {"ja": "瞬間式給湯器", "en": "Instantaneous Water Heater"},
  "properties": {
    "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": "燃焼状態有", "en": "Heating"}},
          {"value": false, "descriptions": {"ja": "燃焼状態無", "en": "Not Heating"}},
        ]
      }
    },
    "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": [
          {"value": true, "descriptions": {"ja": "燃焼状態有", "en": "Heating"}},
          {"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": "ON", "en": "ON" }, "edt": "0x41" },
      { "value": false, "descriptions": { "ja": "OFF", "en": "OFF" }, "edt": "0x42" }
    ]
  }
},
"bathOperationStatus": {
  "epc": "0xEF",
  "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": [
      { "value": "runningHotWater", "descriptions": { "ja": "湯張り中", "en": "Running Hot Water" }, "edt": "0x41" },
      { "value": "noOperation", "descriptions": { "ja": "停止中", "en": "No Operation" }, "edt": "0x42" },
      { "value": "keepingTemperature", "descriptions": { "ja": "保温中", "en": "Keeping Temperature" }, "edt": "0x43" }
    ]
  }
}
}
}
```

燃料電池: fuelCell:0x027C

Properties

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
ratedElectricPowerOfGeneration	GET	number	0xC2	定格発電出力 Rated power generation output	
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	
powerGenerationStatus	GET	string	0xCB	発電動作状態 Power generation status	
powerSystemInterconnectionStatus	GET	string	0xD0	系統連系状態 System interconnected type	
requestedTimeOfGeneration	GET, PUT	object	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 Assigned power generation status	

Device Description

```
{
  "deviceType": "fuelCell",
  "eoj": "0x027C",
  "descriptions": {"ja": "燃料電池", "en": "Fuel Cell"},
  "properties": {
    "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
    }
  },
  "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": {
      "type": "number",
      "unit": "kWh",
      "minimum": 0,
      "maximum": 999999.999,
      "multipleOf": 0.001
    }
  },
  "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"}
    ]
  }
},
"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(revese 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(revese 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": {
    "type": "object",
    "properties": {
      "startTime": {
        "type": "string",

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```
        "format": "time"
      },
      "endTime": {
        "type": "string",
        "format": "time"
      }
    }
  },
  "note": {
    "ja": "秒の指定は無視される",
    "en": "number of seconds is ignored"
  }
},
"powerGenerationMode": {
  "epc": "0xD2",
  "descriptions": { "ja": "指定発電状態", "en": "Assigned power generation status" },
  "writable": true,
  "observable": false,
  "schema": {
    "type": "string",
    "enum": ["maximumRating", "loadFollowing"],
    "values": [
      { "value": "maximumRating", "descriptions": { "ja": "定格最大", "en": "Maximum Rating" }, "edt": "0x41" },
      { "value": "loadFollowing", "descriptions": { "ja": "負荷追従", "en": "Load Following" }, "edt": "0x42" }
    ]
  }
}
}
}
```

蓄電池:storageBattery:0x027D

Properties

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
effectiveChargingCapacity	GET	number	0xA0	AC実効容量 (充電) AC effective capacity (charging)	
effectiveDischargingCapacity	GET	number	0xA1	AC実効容量 (放電) AC effective capacity (discharging)	
chargeableCapacity	GET	number	0xA2	充電可能容量 AC chargeable capacity	
dischargeableCapacity	GET	number	0xA3	放電可能容量 AC dischargeable capacity	
chargeableElectricEnergy	GET	number	0xA4	充電可能量 AC chargeable electric energy	
dischargeableElectricEnergy	GET	number	0xA5	放電可能量 AC dischargeable electric energy	
cumulativeChargingElectricEnergy	GET	number	0xA8	AC積算充電電力量計測値 AC measured cumulative charging electric energy	
cumulativeDischargingElectricEnergy	GET	number	0xA9	AC積算放電電力量計測値 AC measured cumulative discharging electric energy	
targetChargingElectricEnergy	GET, PUT	number	0xAA	AC充電量設定値 AC charge amount setting value	
targetDischargingElectricEnergy	GET, PUT	number	0xAB	AC放電量設定値 AC discharge amount setting value	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
minimumAndMaximumChargingElectricPower	GET	object	0xC8	最小最大充電電力値 Minimum/maximum charging electric energy	
minimumAndMaximumDischargingElectricPower	GET	object	0xC9	最小最大放電電力値 Minimum/maximum discharging electric energy	
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	
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	
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	
batteryType	GET	string	0xE6	蓄電池タイプ Battery type	

Device Description

```
{
  "deviceType": "storageBattery",
  "eoj": "0x027D",
  "descriptions": { "ja": "蓄電池", "en": "Storage Battery" },
  "properties": {
    "effectiveChargingCapacity": {
      "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
      }
    },
    "effectiveDischargingCapacity": {
      "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",
        "minimum": 0,
        "maximum": 999999999
      }
    },
    "chargeableCapacity": {
      "epc": "0xA2",
      "descriptions": { "ja": "充電可能容量", "en": "AC chargeable capacity" },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      }
    },
    "dischargeableCapacity": {
      "epc": "0xA3",
      "descriptions": { "ja": "放電可能容量", "en": "AC dischargeable capacity" },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "Wh",
        "minimum": 0,
        "maximum": 999999999
      }
    }
  }
}
```



```
    }
  },
  "chargeableElectricEnergy": {
    "epc": "0xA4",
    "descriptions": { "ja": "充電可能量", "en": "AC chargeable electric energy" },
    "writable": false,
    "observable": false,
    "schema": {
      "type": "number",
      "unit": "Wh",
      "minimum": 0,
      "maximum": 99999999
    }
  },
  "dischargeableElectricEnergy": {
    "epc": "0xA5",
    "descriptions": { "ja": "放電可能量", "en": "AC dischargeable electric energy" },
    "writable": false,
    "observable": false,
    "schema": {
      "type": "number",
      "unit": "Wh",
      "minimum": 0,
      "maximum": 99999999
    }
  },
  "cumulativeChargingElectricEnergy": {
    "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
    }
  },
  "cumulativeDischargingElectricEnergy": {
    "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,
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        "maximum":999999.999,  
        "multipleOf":0.001  
    }  
},  
"targetChargingElectricEnergy":{  
    "epc":"0xAA",  
    "descriptions":{"ja":"AC充電量設定値", "en":"AC charge amount setting value"},  
    "writable":true,  
    "observable":true,  
    "schema":{  
        "type":"number",  
        "unit":"Wh",  
        "minimum":0,  
        "maximum":999999999  
    }  
},  
"targetDischargingElectricEnergy":{  
    "epc":"0xAB",  
    "descriptions":{"ja":"AC放電量設定値", "en":"AC discharge amount setting value"},  
    "writable":true,  
    "observable":true,  
    "schema":{  
        "type":"number",  
        "unit":"Wh",  
        "minimum":0,  
        "maximum":999999999  
    }  
},  
"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":{  
                "type":"number",  
                "unit":"W",  
                "minimum":0,  
                "maximum":999999999  
            },  
            "maximumElectricPower":{  
                "type":"number",  
                "unit":"W",  
                "minimum":0,  
                "maximum":999999999  
            }  
        }  
    }  
},  
},
```

```

        "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": {
                        "type": "number",
                        "unit": "W",
                        "minimum": 0,
                        "maximum": 99999999
                    },
                    "maximumElectricPower": {
                        "type": "number",
                        "unit": "W",
                        "minimum": 0,
                        "maximum": 99999999
                    }
                }
            }
        },
        "actualOperationMode": {
            "epc": "0xCF",
            "descriptions": { "ja": "運転動作状態", "en": "Working operation status" },
            "writable": false,
            "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": "rapidCharging" }, "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": { "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": "auto" }, "edt": "0x46" },
                    { "value": "restart", "descriptions": { "ja": "再起動", "en": "restart" },
                        "edt": "0x48" },
                    { "value": "capacityRecalculation", "descriptions": { "ja": "実行容量再計算処理",
                        "en": "capacityRecalculation" }, "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,
    "maximum": 32766
  }
},
"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": "rapidCharging" }, "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": { "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": "auto"}, "edt": "0x46"},
        {"value": "restart", "descriptions": {"ja": "再起動", "en": "restart"},
    "edt": "0x48"},
        {"value": "capacityRecalculation", "descriptions": {"ja": "実行容量再計算処理", "en": "capacityRecalculation"}, "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": ["reversePowerFlowAcceptable", "independent",
"reversePowerFlowNotAcceptable"],
        "values": [
            {
                "value": "reversePowerFlowAcceptable",
                "descriptions": {
                    "ja": "系統連系（逆潮流可）",
                    "en": "System Interconnected Type(revese 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(revese power flow not acceptable)"
                },
                "edt": "0x02"
            }
        ]
    }
}
},
}

```

```
    "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": 99999999
      }
    },
    "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,
        "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
      }
    },
    "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", "en": "lead" }, "edt": "0x01" },
          { "value": "ni-mh", "descriptions": { "ja": "NiH", "en": "ni-mh" }, "edt": "0x02" },
          { "value": "ni-cd", "descriptions": { "ja": "NiCd", "en": "ni-cd" }, "edt": "0x03" },
          { "value": "lib", "descriptions": { "ja": "Li-ion", "en": "lib" }, "edt": "0x04" },
          { "value": "zinc", "descriptions": { "ja": "Zn", "en": "zinc" }, "edt": "0x05" },
          { "value": "alkaline", "descriptions": { "ja": "充電式アルカリ", "en": "alkaline" },
```

```
    "edt": "0x06"}  
  ]  
}  
}
```

電気自動車充放電器:evChargerDischarger:0x027E

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	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
minimumAndMaximumChargingElectricPower	GET	object	0xC8	最小大充電電力値 Minimum/maximum charging electric energy	
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	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
instantaneousCurrent	GET	number	0xD4	瞬時充放電電流計測値 Measured instantaneous charging/discharging electric current	
instantaneousVoltage	GET	number	0xD5	瞬時充放電電圧計測値 Measured instantaneous charging/discharging electric voltage	
cumulativeDischargingElectricEnergy	GET	number	0xD6	積算放電電力量計測 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	
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	
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	
targetChargingElectricEnergy1	GET, PUT	number	0xE7	充電量設定値1 Charging amount 1	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
targetChargingElectricEnergy2	GET, PUT	number	0xE9	充電量設定値2 Charging amount 2	
targetDischargingElectricEnergy	GET, PUT	number	0xEA	放電量設定値 Discharging amount 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	
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": "evChargerDischarger",
  "eoj": "0x027E",
  "descriptions": {"ja": "電気自動車充放電器", "en": "Electric vehicle charger/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",
      "unit": "Wh",
      "minimum": 0,
      "maximum": 999999999
    }
  },
  "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",
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        "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
    }
},
"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
    }
},
"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": ["undefined", "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": {"ja": "車両接続・充電可・放電不可",
"en": "Chargeable Dischargeable"}, "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"}, "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": {
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 99999999
            },
            "maximumElectricPower": {
              "type": "number",
              "unit": "W",
              "minimum": 0,
              "maximum": 99999999
            }
          }
        }
      },
      "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": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        },
        "maximumElectricPower": {
          "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": {
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          "unit": "A",
          "minimum": 0,
          "maximum": 3276.6,
          "multipleOf": 0.1
        },
        "maximumCurrent": {
          "type": "number",
          "unit": "A",
          "minimum": 0,
          "maximum": 3276.6,
          "multipleOf": 0.1
        }
      }
    }
  },
  "minimumAndMaximumDischargingCurrent": {
    "epc": "0xCB",
    "descriptions": {
      "ja": "最小最大放電電流値",
      "en": "Minimum/maximum discharging electric current"
    },
  },
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```

        "writable": false,
        "observable": false,
        "schema": {
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            "properties": {
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                    "unit": "A",
                    "minimum": 0,
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                    "multipleOf": 0.1
                },
                "maximumCurrent": {
                    "type": "number",
                    "unit": "A",
                    "minimum": 0,
                    "maximum": 3276.6,
                    "multipleOf": 0.1
                }
            }
        }
    },
    "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", "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)", "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" },
            ]
        }
    }
}

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        {"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"},
        {"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"}
    ]
  },
  "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",
    "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
    }
  }
}

```

```
    }
  },
  "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 electric current"
    },
  },
```

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    "writable": false,
    "observable": false,
    "schema": {
      "type": "number",
      "unit": "A",
      "minimum": -3276.7,
      "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 electric 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": {
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      "unit": "kWh",
      "minimum": 0,
      "maximum": 999999.999,
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        "multipleOf":0.001
    }
},
"operationMode":{
    "epc":"0xDA",
    "descriptions":{"ja":"運転モード設定", "en":"Operation mode setting" },
    "writable":true,
    "observable":false,
    "schema":{
        "type":"string",
        "enum":["charge", "discharge", "standby", "idle", "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":"idle", "descriptions":{"ja":"停止", "en":"Idle"}, "edt":"0x47"},
            {"value":"other", "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":"System Interconnected Type(revese power flow acceptable)"
                }
            },
            {
                "value":"independent",
                "descriptions":{"
                    "ja":"独立",
                    "en":"Independent Type"
                }
            },
            {
                "value":"reversePowerFlowNotAcceptable",
                "descriptions":{"
                    "ja":"系統連系（逆潮流不可）",
                    "en":"System Interconnected Type(revese power flow not acceptable)"
                }
            }
        ]
    }
}
```

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    },  
    "edt": "0x02"  
  }  
]  
}  
},  
"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  
  }  
},  
"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  
  }  
},  
"vehicleId": {  
  "epc": "0xE6",
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```
    "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
    }
  },
  "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
    }
  },
  "targetDischargingElectricEnergy": {
    "epc": "0xEA",
    "descriptions": { "ja": "放電量設定値", "en": "Discharging 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,

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        "maximum":999999999
    }
},
"dischargingElectricPower":{
    "epc":"0xEC",
    "descriptions":{"ja":"放電電力設定値", "en":"Discharging electric energy setting"},
    "writable":true,
    "observable":false,
    "schema":{
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        "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,
        "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":{
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        "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
    }
}
},
}
```

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  "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"
      }
    }
  }
}
```


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

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。

- 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

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)

Properties

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
normalDirectionCumulativeElectricEnergy	GET	number	0xE0	積算電力量計測値 (正方向計測値) Measured cumulative amount of electric energy (normal direction)	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
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
reverseDirectionCumulativeElectricEnergy	GET	number	0xE3	積算電力量計測値 (逆方向計測値) Measured cumulative amounts 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	0xE7	瞬時電力計測値 Measured instantaneous electric energy	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
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)	
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 direction)	, *1

*1 queryあり

Device Description

```
{
  "deviceType": "lvSmartElectricEnergyMeter",
  "eoj": "0x0288",
  "descriptions": {"ja": "低圧スマート電力量メータ", "en": "Low Voltage Smart Electric Energy
Meter"},
  "properties": {
    "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,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "kWh",
        "minimum": 0
      },
      "note": {
        "ja": "EPC=0xD3, 0xE1の値を乗算済みの値",
        "en": "The value is multiplied 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,
      "querySchema": {
        "type": "number",
        "minimum": 0,
        "maximum": 99
      },
      "schema": {
        "type": "object",
        "properties": {
          "day": {
            "type": "number",
            "minimum": 0,
            "maximum": 99
          },
          "electricEnergy": {
            "type": "array",
            "minItems": 48,
            "maxItems": 48,

```

```

        "items": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0
        }
      }
    },
    "note": {
      "ja": "Queryは履歴収集日。電力量はEPC=0xD3, 0xE1の値を乗算済みの値",
      "en": "Query is Day for collection. Electric power is multiplied 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": {
      "type": "number",
      "unit": "kWh",
      "minimum": 0
    },
    "note": {
      "ja": "EPC=0xD3, 0xE1の値を乗算済みの値",
      "en": "The value is multiplied 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,
    "querySchema": {
      "type": "number",
      "minimum": 0,
      "maximum": 99
    },
    "schema": {
      "type": "object",
      "properties": {
        "day": {
          "type": "number",
          "minimum": 0,
          "maximum": 99
        }
      }
    }
  }
}

```

```

        },
        "electricEnergy": {
          "type": "array",
          "minItems": 48,
          "maxItems": 48,
          "items": {
            "type": "number",
            "unit": "kWh",
            "minimum": 0,
            "maximum": 99999999
          }
        }
      ],
      "note": {
        "ja": "Queryは履歴収集日。電力量はEPC=0xD3, 0xE1の値を乗算済みの値",
        "en": "Query is Day for collection. Electric power is multiplied by EPC=0xD3 and
0xE1."
      }
    },
    "instantaneousElectricPower": {
      "epc": "0xE7",
      "descriptions": {
        "ja": "瞬時電力計測値",
        "en": "Measured instantaneous electric energy"
      },
      "writable": false,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "W",
        "minimum": -2147483647,
        "maximum": 2147483645
      }
    },
    "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": {
            "type": "number",
            "unit": "A",
            "minimum": -3276.7,
            "maximum": 3276.5,
            "multipleOf": 0.1
          },
          "tPhase": {
            "type": "number",
            "unit": "A",
            "minimum": -3276.7,

```

```

        "maximum":3276.5,
        "multipleOf":0.1
    }
}
},
"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":{
                "type":"string",
                "format":"date-time"
            },
            "electricEnergy":{
                "type":"number",
                "unit":"kWh",
                "minimum":0,
                "maximum":9999999
            }
        }
    }
},
"note":{
    "ja":"EPC=0xD3, 0xE1の値を乗算済みの値",
    "en":"The value is multiplied by the value of EPC=0xD3 and 0xE1"
}
},
"reverseDirectionCumulativeElectricEnergyEvery30Min":{
    "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":{
                "type":"string",
                "format":"date-time"
            },
            "electricEnergy":{
                "type":"number",
                "unit":"kWh",

```

```

        "minimum":0,
        "maximum":99999999
    }
}
},
"note":{
    "ja":"EPC=0xD3, 0xE1の値を乗算済みの値",
    "en":"The value is multiplied 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 reverse directions)"
    },
    "writable":false,
    "observable":false,
    "querySchema":{
        "type":"object",
        "properties":{
            "dateAndTime":{
                "type":"string",
                "format":"date-time"
            },
            "numberOfCollectionSegments":{
                "type":"number",
                "minimum":1,
                "maximum":12,
                "multipleOf":1
            }
        }
    }
},
"schema":{
    "type":"object",
    "properties":{
        "dateAndTime":{
            "type":"string",
            "format":"date-time"
        },
        "numberOfCollectionSegments":{
            "type":"number",
            "minimum":1,
            "maximum":12
        },
        "electricEnergy":{
            "type":"array",
            "minItems":1,
            "maxItems":12,
            "items":{
                "type":"object",
                "properties":{

```



```
    "normalDirectionElectricEnergy": {
      "type": "number",
      "unit": "kWh",
      "minimum": 0,
      "maximum": 99999999
    },
    "reverseDirectionElectricEnergy": {
      "type": "number",
      "unit": "kWh",
      "minimum": 0,
      "maximum": 99999999
    }
  }
}
},
"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 multiplied by EPC=0xD3 and 0xE1"
}
}
}
```

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

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。

- 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

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。

- 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

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「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	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)	

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

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 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",
  "eoj": "0x028A",
  "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": {
        "type": "number",
        "unit": "kW",
        "minimum": 0
      }
    },
    "note": {
      "ja": "EPC=0xC5, 0xD3, 0xD4 の値を乗算済みの値",
      "en": "The value is multiplied 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 multiplied 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)",
      "en": "Electric power demand at fixed time(30-minute average electric power)"
    },
    "writable": false,
    "observable": false,
    "schema": {
      "type": "object",
      "properties": {
        "dateAndTime": {
          "type": "string",
          "format": "date-time"
        },
        "electricPower": {
          "type": "number",
          "unit": "kW",
          "minimum": 0
        }
      }
    },
    "note": {
      "ja": "EPC=0xC5, 0xD3, 0xD4 の値を乗算済みの値",
      "en": "The value is multiplied 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,

```

```

    "querySchema": {
      "type": "number",
      "minimum": 0,
      "maximum": 99
    },
    "schema": {
      "type": "object",
      "properties": {
        "day": {
          "type": "number",
          "unit": "day",
          "minimum": 0,
          "maximum": 99
        },
        "electricPower": {
          "type": "array",
          "minItems": 48,
          "maxItems": 48,
          "items": {
            "type": "number",
            "unit": "kW",
            "minimum": 0
          }
        }
      }
    },
    "note": {
      "ja": "Queryは履歴収集日。電力量はEPC=0xC5, 0xD3, 0xD4 の値を乗算済みの値",
      "en": "Query is Day for collection. Electric power is multiplied by 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": {
            "type": "string",
            "format": "date-time"
          },
          "reactiveElectricEnergy": {
            "type": "number",
            "unit": "kvarh",
            "minimum": 0
          }
        }
      }
    }
  }

```

```

    },
    "note": {
      "ja": "EPC=0xCD, 0xD3, 0xD4 の値を乗算済みの値",
      "en": "The value is multiplied 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": {
          "type": "string",
          "format": "date-time"
        },
        "reactiveElectricEnergy": {
          "type": "number",
          "unit": "kvarh",
          "minimum": 0
        }
      }
    }
  },
  "note": {
    "ja": "EPC=0xCD, 0xD3, 0xD4 の値を乗算済みの値",
    "en": "The value is multiplied 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,
  "querySchema": {
    "type": "number",
    "minimum": 0,
    "maximum": 99
  },
  "schema": {
    "type": "object",
    "properties": {
      "day": {
        "descriptions": { "ja": "履歴収集日", "en": "Day for collection" },

```

```

        "type": "number",
        "unit": "day",
        "minimum": 0,
        "maximum": 99
    },
    "reactiveElectricEnergy": {
        "type": "array",
        "minItems": 48,
        "maxItems": 48,
        "items": {
            "type": "number",
            "unit": "kvarh",
            "minimum": 0
        }
    }
}
},
"note": {
    "ja": "Queryは履歴収集日。電力量はEPC=0xCD, 0xD3, 0xD4 の値を乗算済みの値",
    "en": "Query is Day for collection. Electric power is multiplied by 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
    }
}
},
"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,
    "querySchema": {
        "type": "number",
        "minimum": 0,
        "maximum": 99
    },
    "schema": {
        "type": "object",
        "properties": {
            "day": {
                "descriptions": { "ja": "日", "en": "Day" },
                "type": "number",

```



```

        "unit": "day"
      },
      "activeElectricEnergy": {
        "type": "array",
        "minItems": 48,
        "maxItems": 48,
        "items": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0
        }
      }
    },
    "note": {
      "ja": "Queryは履歴収集日。電力量はEPC=0xD3, 0xD4, 0xE6 の値を乗算済みの値",
      "en": "Query is Day for collection. Electric power is multiplied by EPC=0xD3, 0xD4
and 0xE6"
    }
  },
  "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": {
          "type": "string",
          "format": "date-time"
        },
        "activeElectricEnergy": {
          "type": "number",
          "unit": "kWh",
          "minimum": 0
        }
      }
    }
  },
  "note": {
    "ja": "multiple0fはEPC=0xD3, 0xD4, 0xE6の値を乗算した値である",
    "en": "multiple0f is the result of multiplying the value of EPC=0xD3, 0xD4 and
0xE6"
  }
},
"cumulativeActiveElectricEnergyAtEvery30Min": {
  "epc": "0xE3",
  "descriptions": {
    "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":{
                    "type":"string",
                    "format":"date-time"
                },
                "activeElectricEnergy":{
                    "type":"number",
                    "unit":"kWh",
                    "minimum":0
                }
            }
        },
        "note":{
            "ja":"multipleOfはEPC=0xD3, 0xD4, 0xE6の値を乗算した値である",
            "en":"multipleOf 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,
        "observable":false,
        "schema":{
            "type":"object",
            "properties":{
                "dateAndTime":{
                    "type":"string",
                    "format":"date-time"
                },
                "electricEnergy":{
                    "type":"number",
                    "unit":"kWh",
                    "minimum":0
                }
            }
        },
        "note":{
            "ja":"multipleOfはEPC=0xD3, 0xD4, 0xE6の値を乗算した値である",
            "en":"multipleOf is the result of multiplying the value of EPC=0xD3, 0xD4 and
0xE6"
        }
    }
}
    
```

一般照明:generalLighting:0x0290

Properties

Property Name	Resource	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
brightness		GET, PUT	number	0xB0	照度レベル設定 Illuminance level	
operationMode		GET, PUT	string	0xB6	点灯モード設定 Lighting mode setting	
rgb		GET, PUT	object	0xC0	カラー灯モード時RGB設定 RGB setting for color lighting	

Device Description

```
{
  "deviceType": "generalLighting",
  "eoj": "0x0290",
  "descriptions": { "ja": "一般照明", "en": "General Lighting" },
  "properties": {
    "brightness": {
      "epc": "0xB0",
      "descriptions": { "ja": "照度レベル設定", "en": "Illuminance level" },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
      }
    },
    "operationMode": {
      "epc": "0xB6",
      "descriptions": { "ja": "点灯モード設定", "en": "Lighting mode setting" },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "string",
        "enum": [ "auto", "normal", "night", "color" ],
        "values": [
          { "value": "auto", "descriptions": { "ja": "自動", "en": "Auto Lighting" },
            "edt": "0x41" },
          { "value": "normal", "descriptions": { "ja": "通常灯", "en": "Normal 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" }
        ]
      }
    }
  }
}
```

```
    ]
  }
},
"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":{
        "type":"number",
        "minimum":0,
        "maximum":255
      },
      "green":{
        "type":"number",
        "minimum":0,
        "maximum":255
      },
      "blue":{
        "type":"number",
        "minimum":0,
        "maximum":255
      }
    }
  }
}
}
}
}
```

電気自動車充電器:evCharger:0x02A1

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	最小大充電電力値 Minimum/maximum charging electric energy	
minimumAndMaximumChargeCurrent	GET	object	0xCA	最小最大充電電流値 Minimum/maximum charging 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	

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",
  "eoj": "0x02A1",
  "descriptions": {"ja": "電気自動車充電器", "en": "EV Charger"},
  "properties": {
    "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
    }
  },
  "chargeStatus": {
    "epc": "0xC7",
    "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" },
          "ed": "0xFF" },
        { "value": "notConnected", "descriptions": { "ja": "車両未接続", "en": "Not Connected" }, "ed": "0x30" },
        { "value": "notChargeable", "descriptions": { "ja": "車両接続・充電不可", "en": "Not Chargeable" }, "ed": "0x40" },
        { "value": "chargeable", "descriptions": { "ja": "車両接続・充電可", "en": "Chargeable" }, "ed": "0x41" },
        { "value": "unknown", "descriptions": { "ja": "車両接続・充電可否不明", "en": "Unknown" }, "ed": "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": {
          "type": "number",
          "unit": "W",
          "minimum": 0,
          "maximum": 999999999
        },
        "maximumElectricPower": {

```

```

        "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": {
                "type": "number",
                "unit": "A",
                "minimum": 0,
                "maximum": 3276.6,
                "multipleOf": 0.1
            },
            "maximumCurrent": {
                "type": "number",
                "unit": "A",
                "minimum": 0,
                "maximum": 3276.6,
                "multipleOf": 0.1
            }
        }
    }
},
"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", "DC_AA_Charge", "DC_BB_Charge",
"DC_EE_Charge", "DC_FF_Charge"],
        "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": "DC_AA_Charge", "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",  
    "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"  
    }  
  },  
  "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": -999999999,
            "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" },
        "writable": true,
        "observable": true,
        "schema": {
            "type": "string",
            "enum": ["charge", "standby", "idle", "other"],
            "values": [
                { "value": "charge", "descriptions": { "ja": "充電", "en": "Charge" },
                { "value": "standby", "descriptions": { "ja": "待機", "en": "Standby" },
                { "value": "idle", "descriptions": { "ja": "停止", "en": "Idle" }, "edt": "0x47"},
                { "value": "other", "descriptions": { "ja": "その他", "en": "Other" }, "edt": "0x40" }
            ]
        },
        "edt": "0x42"},
    "edt": "0x44"},
    ]

```

```
    }
  },
  "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"
    }
  },
  "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
    }
  },
  "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": 99999999
    }
  },
  "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,
      "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 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"
    }
  }
}
}
```

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

Properties

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
brightness	GET, PUT	number	0xB0	照度レベル設定 Illuminance level	
sceneId	GET, PUT	number	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	number	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 at Full Lighting	
powerConsumptionWillBeSaved	GET	number	0xC4	節電可能消費電力 Power Consumption that will be saved	
powerConsumptionLimitSetting	GET, PUT	number	0xC5	消費電力制限設定 Power Consumption Limit Setting	

Device Description

```
{
  "deviceType": "enhancedLightingSystem",
  "eoj": "0x02A4",
  "descriptions": [{"ja": "拡張照明システム", "en": "Enhanced Lighting System"}],
  "properties": {
    "brightness": {
      "epc": "0xB0",
      "descriptions": [{"ja": "照度レベル設定", "en": "Illuminance level"}],
      "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": {
      "type": "number",
      "minimum": 1,
      "maximum": 253
    },
    "note": { "ja": "最大値はmaxNumberOfsceneControlの値", "en": "Maximum value is the value
of maxNumberOfsceneControl" }
  },
  "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": {
    "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": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
      }
    }
  },
  "powerConsumptionAtFullLighting": {
    "epc": "0xC3",
    "descriptions": { "ja": "全灯時消費電力", "en": "Power Consumption at Full Lighting" },
    "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": "Power Saving Power Consumption"},
    "writable": false,
    "observable": false,
    "schema": {
      "type": "number",
      "unit": "W",
      "minimum": 0,
      "maximum": 65533
    }
  },
  "powerConsumptionLimitSetting": {
    "epc": "0xC5",
    "descriptions": {"ja": "消費電力制限設定", "en": "Power Consumption Limit Setting"},
    "writable": true,
    "observable": false,
    "schema": {
      "type": "number",
      "unit": "W",
      "minimum": 0,
      "maximum": 65533
    }
  }
}
```

コントローラ:controller:0x05FF

Properties

Property Name	Resource	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, C3, C4, C5, C6, C7	機器情報 Device Information	*1

*1 EPC=0xC2, C3, C4, C5, C6, C7に対応した値をobjectのarrayで表現する

Device Description

```
{
  "deviceType": "controller",
  "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
      }
    },
    "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"}
          ]
        },
        "manufactureCode": { "type": "string" }
      }
    },
    "note": {
      "ja": "EPC=0xC2, C3, C4, C5, C6, C7に対応した値をobjectのarrayで表現する",
      "en": "This property deal with info from 0xC2, C3, C4, C5, C6 and 0xC7
altogether."
    }
  }
}
```

換気扇:ventilationFan:0x0133

Properties

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

Device Description

```
{
  "deviceType": "ventilationFan",
  "eoj": "0x0133",
  "descriptions": { "ja": "換気扇", "en": "Ventilation fan" },
  "properties": {
    "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": "自動", "en": "Auto" }, "edt": "0x41" },
          { "value": false, "descriptions": { "ja": "非自動", "en": "Non Auto" },
            "edt": "0x42" }
        ]
      }
    },
    "ventilationAirFlowLevel": {
      "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": "自動", "en": "Auto"}},  
    ]  
  ]  
}  
}  
}
```

空気清浄器:airCleaner:0x0135

Properties

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

Device Description

```
{
  "deviceType": "airCleaner",
  "eoj": "0x0135",
  "descriptions": {"ja": "空気清浄器", "en": "Air Cleaner"},
  "properties": {
    "filterChangeNotice": {
      "epc": "0xE1",
      "descriptions": {"ja": "フィルター交換通知状態", "en": "Filter change notice"},
      "writable": false,
      "observable": false,
      "schema": {
        "type": "boolean",
        "values": [
          {"value": true, "descriptions": {"ja": "通知あり", "en": "Found"}, "edt": "0x41"},
          {"value": false, "descriptions": {"ja": "通知なし", "en": "Not found"},
            "edt": "0x42"}
        ]
      }
    },
    "airFlowRate": {
      "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
      },
      {
        "type": "string",
        "enum": ["auto"],
        "values": [
          {"value": "auto", "descriptions": {"ja": "自動", "en": "Auto"}},
"edt": "0x41"}
        ]
      }
    ],
  },
  "smokeDetectionStatus": {
    "epc": "0xC1",
    "descriptions": {"ja": "煙検知状態", "en": "Smoke detection status"},
    "writable": false,
    "observable": false,
    "schema": {
      "type": "boolean",
      "values": [
        {"value": true, "descriptions": {"ja": "検知あり", "en": "Found", "edt": "0x41"},
        {"value": false, "descriptions": {"ja": "検知なし", "en": "Not found"},
"edt": "0x42"}
      ]
    }
  },
  "opticalCatalystOperation": {
    "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"}
      ]
    }
  },
  "airPollutionDetectionStatus": {
    "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": "空気汚れ検知あり", "en": "Air pollution
detected"}, "edt": "0x41"},
```

```
        {"value": false, "descriptions": {"ja": "空気汚れ検知なし", "en": "Air pollution  
non-detected"}, "edt": "0x42"}  
      ]  
    }  
  }  
}
```

業務用パッケージエアコン室内機:commercialAirConditionerIndoorUnit:0x0156

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	
targetTemperature	GET, PUT	number	0xB3	温度設定値 Set temperature value	
roomTemperature	GET	number	0xBB	室内温度計測値 Measured value of room temperature	
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 Automatic operation mode	
groupInformation	GET	number, string	0xCA	グループ情報 Group Information	
groupDeviceList	GET	array	-	グループ内デバイスリスト List of devices in group	*1
powerConsumption	GET	string	0xDB	室内機消費電力範囲 Power consumption	

*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",
  "eoj": "0x0156",
  "descriptions": { "ja": "業務用エアコン室内機", "en": "Commercial Air Conditioner Indoor Unit" },
  "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": [ "auto", "cooling", "heating", "dehumidification", "circulation" ],
        "values": [
          { "value": "auto", "descriptions": { "ja": "自動", "en": "Auto" }, "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",
    "en": "Dehumidification"}, "edt": "0x44"},
        {"value": "circulation", "descriptions": {"ja": "送風", "en": "Circulation"}},
    "edt": "0x45"}
    ]
  }
},
"targetTemperature": {
  "epc": "0xB3",
  "descriptions": {"ja": "温度設定値", "en": "Set temperature value"},
  "writable": true,
  "observable": true,
  "schema": {
    "type": "number",
    "unit": "Celsius",
    "minimum": 0,
    "maximum": 50
  }
},
"roomTemperature": {
  "epc": "0xBB",
  "descriptions": {"ja": "室内温度計測値", "en": "Measured value of room temperature"},
  "writable": false,
  "observable": false,
  "schema": {
    "type": "number",
    "unit": "Celsius",
    "minimum": -127,
    "maximum": 125
  }
},
"thermostatState": {
  "epc": "0xAC",
  "descriptions": {"ja": "サーモ状態", "en": "Thermostat state"},
  "writable": false,
  "observable": false,
  "schema": {
    "type": "boolean",
    "values": [
      {"value": true, "descriptions": {"ja": "ON", "en": "ON"}, "edt": "0x41"},
      {"value": false, "descriptions": {"ja": "OFF", "en": "OFF"}, "edt": "0x42"}
    ]
  }
},
"automaticOperationModeStatus": {
  "epc": "0xAE",
  "descriptions": {"ja": "自動運転時運転モード状態", "en": "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"},
            {"value":"circulation", "descriptions":{"ja":"送風", "en":"Circulation"},
            "edt":"0x45"},
            {"value":"other", "descriptions":{"ja":"その他", "en":"Other"}, "edt":"0x40"}
        ]
    },
    "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":["none"],
                    "values":[
                        {"value":"none", "descriptions":{"ja":"設定なし", "en":"None"},
            "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' "  
  }  
},  
"powerConsumption": {  
  "epc": "0xDB",  
  "descriptions": { "ja": "室内機消費電力範囲", "en": "Power consumption" },  
  "writable": false,  
  "observable": false,  
  "schema": {  
    "type": "string",  
    "enum": ["less50W", "less100W", "less150W", "less200W", "200WOrMore"],  
    "values": [  
      {"value": "less50W", "descriptions": {"ja": "50W未満", "en": "less than  
50W"}, "edt": "0x01"},  
      {"value": "less100W", "descriptions": {"ja": "50W以上100W未満", "en": "50W or more  
and less than 100W"}, "edt": "0x02"},  
      {"value": "less150W", "descriptions": {"ja": "100W以上150W未満", "en": "100W or  
more and less than 150W"}, "edt": "0x03"},  
      {"value": "less200W", "descriptions": {"ja": "150W以上200W未満", "en": "150W or  
more and less than 200W"}, "edt": "0x04"},  
      {"value": "200WOrMore", "descriptions": {"ja": "200W以上", "en": "200W or  
more"}, "edt": "0x05"}  
    ]  
  }  
}  
}
```

業務用パッケージエアコン室外機:commercialAirConditionerOutdoorUnit:0x0157

Properties

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
operationStatus	GET	boolean	0x80	動作状態 Operation Status	
ratedPowerConsumption	GET	number	0xB8	定格消費電力 Rated power consumption	
outdoorTemperature	GET	number	0xBE	室外温度計測値 Measured value of Outdoor temperature	
specialState	GET	boolean	0xAB	特殊状態 Special State	
groupInformation	GET	number, string	0xCA	グループ情報 Group Information	
groupDeviceList	GET	array	-	グループ内デバイスリスト List of devices in group	*1
powerConsumption	GET	number	0xDB	消費電力計測値 Measured power consumption	
powerConsumptionWillBeSaved	GET	number	0xDD	節電可能消費電力 Power Consumption that will be saved	
powerConsumptionLimit	GET, PUT	number	0xDE	消費電力制限設定 Power Consumption Limit Setting	
restrictedMinimumPowerConsumption	GET	number	0xDF	抑制最低消費電力 Minimum power consumption for restricted outdoor unit	

*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",
  "eoj": "0x0157",
  "descriptions": { "ja": "業務用エアコン室外機", "en": "Commercial Air Conditioner Outdoor Unit"
},
  "properties": {
```

```

"operationStatus":{
  "epc":"0x80",
  "descriptions":{"ja":"動作状態", "en":"Operation Status" },
  "writable":false,
  "observable":true,
  "schema":{
    "type":"boolean",
    "values":[
      {"value":true, "descriptions":{"ja":"ON", "en":"ON"}, "edt":"0x30"},
      {"value":false, "descriptions":{"ja":"OFF", "en":"OFF"}, "edt":"0x31"}
    ]
  }
},
"ratedPowerConsumption":{
  "epc":"0xB8",
  "descriptions":{"ja":"定格消費電力", "en":"Rated power consumption" },
  "writable":false,
  "observable":false,
  "schema":{
    "type":"number",
    "unit":"W",
    "minimum":0,
    "maximum":4294967293
  }
},
"outdoorTemperature":{
  "epc":"0xBE",
  "descriptions":{"ja":"室外温度計測値", "en":"Measured value of Outdoor temperature"
},
  "writable":false,
  "observable":false,
  "schema":{
    "type":"number",
    "unit":"Celsius",
    "minimum":-127,
    "maximum":125
  }
},
"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"}
    ]
  }
},
"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": ["none"],
                    "values": [
                        { "value": "none", "descriptions": { "ja": "設定なし", "en": "None" },

```

"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' "
    }
},
"powerConsumption": {
    "epc": "0xDB",
    "descriptions": { "ja": "消費電力計測値", "en": "Measured power consumption" },
    "writable": false,
    "observable": false,
    "schema": {
        "type": "number",
        "unit": "W",
        "minimum": 0,
        "maximum": 4294967293
    }
},

```

```
    "powerConsumptionWillBeSaved": {
      "epc": "0xDD",
      "descriptions": { "ja": "節電可能消費電力", "en": "Power Consumption that will be saved"
    },
    "writable": false,
    "observable": false,
    "schema": {
      "type": "number",
      "unit": "W",
      "minimum": 0,
      "maximum": 4294967293
    }
  },
  "powerConsumptionLimit": {
    "epc": "0xDE",
    "descriptions": { "ja": "消費電力制限設定", "en": "Power Consumption Limit Setting" },
    "writable": true,
    "observable": false,
    "schema": {
      "type": "number",
      "unit": "W",
      "minimum": 0,
      "maximum": 4294967293
    }
  },
  "restrictedMinimumPowerConsumption": {
    "epc": "0xDF",
    "descriptions": {
      "ja": "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
    }
  }
}
```

電動雨戸・シャッター:electricRainDoor:0x0263

Properties

Property Name	Resource	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	string	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	

Property Name	Resource	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",
  "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": [ "obstacleCaught", "outageRecovery", "timeOut", "batteryLow" ],
        "values": [
          { "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", "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": "Turns the timer operation ON or OFF"
    },
    "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"],
        "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", "en":"High"}, "edt":"0x43"}
        ]
    }
},
"operationTime":{
    "epc":"0xD2",
    "descriptions":{
        "ja":"動作時間設定値",
        "en":"Used to specify the operation time in seconds"
    },
    "writable":true,
    "observable":false,
    "schema":{
        "type":"number",
        "unit":"second",
        "minimum":0,
        "maximum":253,
        "multipleOf":1
    }
},
"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" }
      ]
    }
  },
  "degreeOfOpening": {
    "epc": "0xE1",
    "descriptions": {
      "ja": "開度レベル設定",
      "en": "Used to specify the degree-of-opening in %"
    },
    "writable": true,
    "observable": false,
    "schema": {
      "type": "number",
      "unit": "%",
      "minimum": 0,
      "maximum": 100,
      "multipleOf": 1
    }
  },
  "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,
      "multipleOf": 1
    }
  },
  "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": {"ja": "高", "en": "High"}, "edt": "0x43"}
    ]
}
},
"electricLock": {
    "epc": "0xE5",
    "descriptions": {
        "ja": "電気錠設定",
        "en": "Locks or unlocks an electric lock."
    },
    "writable": true,
    "observable": false,
    "schema": {
        "type": "boolean",
        "values": [
            {"value": true, "descriptions": {"ja": "施錠", "en": "Lock"}, "edt": "0x41"},
            {"value": false, "descriptions": {"ja": "開錠", "en": "Unlock"}, "edt": "0x42"}
        ]
    }
},
"remoteOperation": {
    "epc": "0xE8",
    "descriptions": {
        "ja": "遠隔操作設定状態",
        "en": "Indicates whether remote operation is permitted or prohibited."
    },
    "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": "選択開度動作設定", "en": "Selective degree-of-opening setting"}
},
"localSetting": {
    "writable": true,
    "observable": true,
    "schema": {
        "type": "string",
        "enum": ["degreeOfOpening", "operationTimeOfOpening", "operationTimeOfClosing",
            "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"},

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        {"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）",  
    "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": {  
  "epc": "0xED",  
  "descriptions": {  
    "ja": "スリット開度設定",  
    "en": "Used to specify the degree-ofopening by 8 levels."  
  },  
  "writable": true,  
  "observable": false,  
  "schema": {  
    "type": "number",  
    "minimum": 1,  
    "maximum": 8,  
    "multipleOf": 1  
  }  
},  
"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":{
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    "enum":["low", "medium", "high", "none"],
    "values":[
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      {"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"}
    ]
  }
},
"oneTimeClosingSpeed":{
  "epc":"0xEE",
  "descriptions":{"ja":"ワンタイム閉速度設定", "en":"One-time closing speed setting"}
},
  "writable":true,
  "observable":false,
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    "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"}
    ]
  }
}
}
```

電気温水器:electricWaterHeater:0x026B

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	
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	0xB3	沸き上げ湯温設定値 Water heating temperature setting	
heatingStopDays	GET, PUT	number	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 tank water temperature	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
alarmStatus	GET	object	0xC2	警報発生状態 Alarm status	
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	string	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	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	0xCD	昼間沸き上げシフト時 刻2 Daytime heating shift time 2	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
estimatedElectricEnergyAtShiftTime2	GET	object	0xCE	屋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 Supplied water temperature setting	
targetBathWaterTemperature	GET, PUT	number	0xD3	風呂温度設定値 Bath water temperature setting	
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	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
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	
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	
bathHotWaterAddition	GET, PUT	boolean	0xE5	手動風呂足し湯動作設定 Manual bath hot water addition	
bathLukewarmWaterFunction	GET, PUT	boolean	0xE6	手動風呂ぬるめ動作設定 Manual lukewarming function setting	
bathWaterVolume1	GET, PUT	number	0xE7	風呂湯量設定1(リットル単位) Bath water volume setting 1 (by liter)	
bathWaterVolume2	GET, PUT	number	0xE8	風呂湯量設定2(レベル単位) Bath water volume setting 2 (by level)	

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(リットル単位)	Bath water volume setting 3 (by liter)
bathWaterVolume4	GET, PUT	number	0xD4	風呂湯量設定4(ステップ単位)	Bath water volume setting 4 (by step)
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 step
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

Device Description

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{
  "deviceType": "electricWaterHeater",
  "eoj": "0x026B",
  "descriptions": {"ja": "電気温水器", "en": "Electric WaterHeater"},
  "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": "Reservation ON"}},
          {"value": false, "descriptions": {"ja": "予約切", "en": "Reservation OFF"}},
        ]
      }
    },
    "onTimerTime": {
      "epc": "0x91",
      "descriptions": {"ja": "ONタイマ時刻設定値", "en": "ON timer setting"},
    }
  }
}
```

```

        "writable":true,
        "observable":false,
        "schema":{
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            "format":"time"
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            "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":{
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            "enum":["auto", "manualNoHeating", "manualHeating"],
            "values":[
                {"value":"auto", "descriptions":{"ja":"自動沸き上げ", "en":"Auto Heating"},
                {"value":"manualNoHeating", "descriptions":{"ja":"手動沸き上げ停止", "en":"Manual No Heating"}, "edt":"0x43"},
                {"value":"manualHeating", "descriptions":{"ja":"手動沸き上げ", "en":"Manual Heating"}, "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":"自動", "en":"Auto controlling"},
                {"value":false, "descriptions":{"ja":"自動不使用", "en":"Not auto controlling"}, "edt":"0x42"}
            ]
        }
    },
    "waterHeatingStatus":{
        "epc":"0xB2",
        "descriptions":{"ja":"沸き上げ中状態", "en":"Water heater status" },
        "writable":false,
        "observable":true,
        "schema":{
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            "values":[
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```

```

"edt": "0x41"},
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"edt": "0x42"}
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  }
},
"targetWaterHeatingTemperature": {
  "epc": "0xB3",
  "descriptions": {"ja": "沸き上げ湯温設定値", "en": "Water heating temperature setting"},
  "writable": true,
  "observable": false,
  "schema": {
    "type": "number",
    "unit": "Celsius",
    "minimum": 0,
    "maximum": 100
  }
},
"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": "infinite"}, "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" },
            "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": "許可", "en": "Permitted" }, "edt": "0x41" },
            { "value": false, "descriptions": { "ja": "禁止", "en": "Not Permitted" },
            "edt": "0x42" }
        ]
    }
},
"tankWaterTemperature": {
    "epc": "0xC1",
    "descriptions": { "ja": "温水器湯温計測値", "en": "Measured tank water temperature" },
    "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":{
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            "properties":{
                "noHotWater":{
                    "type":"boolean",
                    "values":[
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                        {"value":false, "descriptions":{"ja":"正常", "en":"No Alarm"},
                    ]
                },
                "leaking":{
                    "type":"boolean",
                    "values":[
                        {"value":true, "descriptions":{"ja":"発生", "en":"Alarm"}, "edt":1},
                        {"value":false, "descriptions":{"ja":"正常", "en":"No Alarm"},
                    ]
                },
                "freezing":{
                    "type":"boolean",
                    "values":[
                        {"value":true, "descriptions":{"ja":"発生", "en":"Alarm"}, "edt":1},
                        {"value":false, "descriptions":{"ja":"正常", "en":"No Alarm"},
                    ]
                }
            }
        }
    },
    "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"},
                {"value":false, "descriptions":{"ja":"非給湯中", "en":"Not Supplying"},
            ]
        }
    },
    "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": {
  "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" },
      "ed": "0x01" },
      { "value": false, "descriptions": { "ja": "不参加", "en": "Non Participation" },
      "ed": "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": "string",
    "format": "time"
  }
},
"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,
    "multipleOf": 1
  }
},
"waterHeatingShiftTime1": {
  "epc": "0xCA",
  "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": {
    "type": "string",
```

```
        "format": "time",
        "enum":
["9:00:00", "10:00:00", "11:00:00", "12:00:00", "13:00:00", "14:00:00", "15:00:00", "16:00:00", "17:00:00"]
    }
},
"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": {
                "type": "number",
                "unit": "Wh"
            },
            "at1300": {
                "type": "number",
                "unit": "Wh"
            },
            "at1500": {
                "type": "number",
                "unit": "Wh"
            },
            "at1700": {
                "type": "number",
                "unit": "Wh"
            }
        }
    }
},
"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": {
                "type": "number",
                "unit": "Wh"
            },
            "at1300": {
                "type": "number",
                "unit": "Wh"
            },
            "at1500": {
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```

        "type": "number",
        "unit": "Wh"
    },
    "at1700": {
        "type": "number",
        "unit": "Wh"
    }
}
},
"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": {
        "type": "string",
        "format": "time",
        "enum":
["10:00:00", "11:00:00", "12:00:00", "13:00:00", "14:00:00", "15:00:00", "16:00:00", "17:00:00"]
    }
},
"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": {
                "type": "number",
                "unit": "Wh"
            },
            "at1500": {
                "type": "number",
                "unit": "Wh"
            },
            "at1700": {
                "type": "number",
                "unit": "Wh"
            }
        }
    }
},
"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,

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    "observable": false,
    "schema": {
      "type": "object",
      "properties": {
        "at1300": {
          "type": "number",
          "unit": "Wh"
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        "at1500": {
          "type": "number",
          "unit": "Wh"
        },
        "at1700": {
          "type": "number",
          "unit": "Wh"
        }
      }
    }
  },
  "targetSuppliedWaterTemperature": {
    "epc": "0xD1",
    "descriptions": { "ja": "給湯温度設定値", "en": "Supplied water temperature 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
    }
  },
  "volume": {
    "epc": "0xD6",
    "descriptions": { "ja": "音量設定値", "en": "Volume setting" },
    "writable": true,
    "observable": false,
    "schema": {
      "type": "number",
      "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" },
            "ed": "0x30" },
          { "value": false, "descriptions": { "ja": "ミュートOFF", "en": "Mute OFF" },
            "ed": "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": "liter",
        "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": {
          "startDateAndTime": {
            "type": "string",
            "format": "date-time"
          },
          "surplusEnergyPredictionValue": {
            "type": "array",
            "minItems": 24,
            "maxItems": 24,
            "items": {
              "type": "number",
              "unit": "Wh",
              "multipleOf": 10,
              "minimum": -327680,
              "maximum": 327650
            }
          }
        },
        "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",  
    "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  
  }  
}
```

```

        "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":"liter",
        "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":"liter",
        "minimum":0,
        "maximum":65533
    }
},
"automaticBathOperation":{
    "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", "en":"Auto"}, "edt":"0x41"},
            {"value":false, "descriptions":{"ja":"非自動", "en":"Non Auto"},
"edt":"0x42"}
        ]
    }
},
"bathReheatingOperation":{
    "epc":"0xE4",
    "descriptions":{"ja":"手動風呂追い焚き動作設定", "en":"Manual bath reheating
operation" },
    "writable":true,
    "observable":false,
    "schema":{
        "type":"boolean",
        "values":[

```

```
        {"value":true, "descriptions":{"ja":"追い焚き入", "en":"Bath reheating"},
"edt":"0x41"},
        {"value":false, "descriptions":{"ja":"追い焚き切", "en":"Not bath
reheating"}, "edt":"0x42"}
    ]
}
},
"bathHotWaterAddition":{
    "epc":"0xE5",
    "descriptions":{"ja":"手動風呂足し湯動作設定", "en":"Manual bath hot water addition"
},
    "writable":true,
    "observable":false,
    "schema":{
        "type":"boolean",
        "values":[
            {"value":true, "descriptions":{"ja":"足し湯入", "en":"Hot water addition"},
"edt":"0x41"},
            {"value":false, "descriptions":{"ja":"足し湯切", "en":"Not hot water
addition"}, "edt":"0x42"}
        ]
    }
},
"bathLukewarmWaterFunction":{
    "epc":"0xE6",
    "descriptions":{"ja":"手動風呂ぬるめ動作設定", "en":"Manual lukewarming function
setting" },
    "writable":true,
    "observable":false,
    "schema":{
        "type":"boolean",
        "values":[
            {"value":true, "descriptions":{"ja":"ぬるめ入", "en":"lukewarming"},
"edt":"0x41"},
            {"value":false, "descriptions":{"ja":"ぬるめ切", "en":"Not lukewarming"},
"edt":"0x42"}
        ]
    }
},
"bathWaterVolume1":{
    "epc":"0xE7",
    "descriptions":{"ja":"風呂湯量設定1(リットル単位)", "en":"Bath water volume setting
1 (by liter)"},
    "writable":true,
    "observable":false,
    "schema":{
        "type":"number",
        "unit":"liter",
        "minimum":0,
        "maximum":253
    }
},
"bathWaterVolume2":{
    "epc":"0xE8",
```

```

        "descriptions": { "ja": "風呂湯量設定2(レベル単位) ", "en": "Bath water volume setting 2
        (by level)" },
        "writable": true,
        "observable": false,
        "schema": {
            "type": "number",
            "minimum": 1,
            "maximum": 8
        }
    },
    "bathWaterVolume3": {
        "epc": "0xEE",
        "descriptions": { "ja": "風呂湯量設定3(リットル単位) ", "en": "Bath water volume setting
        3 (by liter)" },
        "writable": true,
        "observable": false,
        "schema": {
            "type": "number",
            "unit": "liter",
            "minimum": 0,
            "maximum": 65533
        }
    },
    "bathWaterVolume4": {
        "epc": "0xD4",
        "descriptions": { "ja": "風呂湯量設定4(ステップ単位) ", "en": "Bath water volume setting
        4 (by step)" },
        "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
        setting 4 Maximum settable step" },
        "writable": false,
        "observable": false,
        "schema": {
            "type": "number",
            "minimum": 1,
            "maximum": 255
        }
    },
    "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": "Bath priority" },
                {"value": false, "descriptions": { "ja": "浴室優先切", "en": "Not bath priority" },
            ]
        }
    },
    "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": [
                {"value": "runningHotWater", "descriptions": { "ja": "湯張り中", "en": "Running Hot Water" }, "edt": "0x41"},
                {"value": "noOperation", "descriptions": { "ja": "停止中", "en": "No Operation" },
                {"value": "keepingTemperature", "descriptions": { "ja": "保温中", "en": "Keeping Temperature" }, "edt": "0x43"}
            ]
        }
    }
}
    
```


電気錠:electricLock:0x026F

Properties

Property Name	Resource	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 (主電気錠) Lock setting 1	
subElectricLock		GET, PUT	boolean	0xE1	施錠設定 2 (副電気錠) 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 Open/close status of door	
occupant		GET	boolean	0xE4	在室・不在状態 Occupant/ non-occupant status of persons	
alarmStatus		GET	string	0xE5	警報状態 Alarm status of electric lock	
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",
  "eoj": "0x026F",
  "descriptions": {"ja": "電気錠", "en": "electric lock"},
  "properties": {
    "mainElectricLock": {
      "epc": "0xE0",
      "descriptions": {
        "ja": "施錠設定 1 (主電気錠)",
        "en": "Lock/unlock of main electric lock"
      },
      "writable": true,
      "observable": true,
      "schema": {
        "type": "boolean",
        "values": [
          {"value": true, "descriptions": {"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 (副電気錠)",
      "en": "Lock/unlock of sub electric lock"
    },
    "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"},
        {"value": false, "descriptions": {"ja": "解錠", "en": "Unlock", "edt": "0x42"}
      ]
    }
  },
  "doorOpened": {
    "epc": "0xE3",
    "descriptions": {
      "ja": "扉開閉状態",
      "en": "Open/close status of door"
    },
    "writable": false,
    "observable": false,
    "schema": {
      "type": "boolean",
      "values": [
        {"value": true, "descriptions": {"ja": "開", "en": "Open", "edt": "0x41"},
        {"value": false, "descriptions": {"ja": "閉", "en": "Close", "edt": "0x42"}
      ]
    }
  },
  "occupant": {
    "epc": "0xE4",
    "descriptions": {
      "ja": "在室・不在状態",

```

```

        "en": "Occupant/ non-occupant status of persons"
    },
    "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"},
"edt": "0x42"}
        ]
    }
},
"alarmStatus": {
    "epc": "0xE5",
    "descriptions": {"ja": "警報状態", "en": "Alarm status of electric lock"},
    "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"}, "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"}
        ]
    }
},
"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": {

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```
        "ja": "電池残量状態",  
        "en": "Indicates the battery level to get the status of a battery level lower and  
in need of replacement."  
    },  
    "writable": true,  
    "observable": true,  
    "schema": {  
        "type": "boolean",  
        "values": [  
            {"value": true, "descriptions": {"ja": "交換通知有", "en": "need of  
replacement"}, "edt": "0x41"},  
            {"value": false, "descriptions": {"ja": "通常", "en": "Ordinary"}, "edt": "0x40"}  
        ]  
    }  
}   
}   
}
```

浴室暖房乾燥機:bathroomHeaterDryer:0x0273

Properties

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

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
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	
onTimerReservation1	GET, PUT	boolean	0x90	ONタイマ予約設定1 On timer reservation setting 1	
onTimerReservation2	GET, PUT	string	0xE1	ONタイマ予約設定2 On timer reservation setting 2	
onTimer	GET, PUT	string	0x91	ONタイマ時刻設定値 On timer setting value	
onRelativeTimer	GET, PUT	string	0x92	ONタイマ相対時刻設定値 On relative timer setting value	
offTimerReservation	GET, PUT	boolean	0x94	OFFタイマ予約設定 Off timer reservation setting	
offTimer	GET, PUT	string	0x95	OFFタイマ時刻設定値 Off timer setting value	
offRelativeTimer	GET, PUT	string	0x96	OFFタイマ相対時刻設定値 Off relative timer setting value	

Device Description

```
{
  "deviceType": "bathroomHeaterDryer",
  "eoj": "0x0273",
  "descriptions": { "ja": "浴室暖房乾燥機", "en": "Bathroom heater dryer" },
  "properties": {
    "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", "stop" ],
        "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": "mist sauna", "descriptions": {"ja": "ミストサウナ運転", "en": "Mist
sauna operation"}, "edt": "0x60"},
        {"value": "water mist", "descriptions": {"ja": "水ミスト運転", "en": "Water mist
operation"}, "edt": "0x61"},
        {"value": "stop", "descriptions": {"ja": "停止", "en": "Stop"}, "edt": "0x00"}
    ]
  },
  "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
        },
        {
          "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,

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        "maximum":8
    },
    {
        "type":"string",
        "enum":["auto","standard"],
        "values":[
            {"value":"auto", "descriptions":{"ja":"自動", "en":"Auto"},
            {"value":"standard", "descriptions":{"ja":"標準", "en":"Standard"},
            ]
    }
    ],
    },
    "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
                },
                {
                    "type":"string",
                    "enum":["auto","standard"],
                    "values":[
                        {"value":"auto", "descriptions":{"ja":"自動", "en":"Auto"},
                        {"value":"standard", "descriptions":{"ja":"標準", "en":"Standard"},
                    ]
                }
            ]
        }
    },
    "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
                },
                {
                    "type":"string",

```



```

        "enum":["auto","standard"],
        "values":[
            {"value":"auto", "descriptions":{"ja":"自動", "en":"Auto"},
            {"value":"standard", "descriptions":{"ja":"標準", "en":"Standard"},
"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
            },
            {
                "type":"string",
                "enum":["auto","standard"],
                "values":[
                    {"value":"auto", "descriptions":{"ja":"自動", "en":"Auto"},
                    {"value":"standard", "descriptions":{"ja":"標準", "en":"Standard"},
"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
            },
            {
                "type":"string",
                "enum":["auto","standard"],
                "values":[
                    {"value":"auto", "descriptions":{"ja":"自動", "en":"Auto"},
"edt":"0x41"},

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        {"value": "standard", "descriptions": {"ja": "標準", "en": "Standard"}},
    "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": [
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        "type": "number",
        "minimum": 1,
        "maximum": 8
      },
      {
        "type": "string",
        "enum": ["auto", "standard"],
        "values": [
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          {"value": "standard", "descriptions": {"ja": "標準", "en": "Standard"}},
          {"value": "0x42"}
        ]
      }
    ]
  }
},
"bathroomHumidity": {
  "epc": "0xBA",
  "descriptions": {"ja": "浴室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
  }
},
"bathroomTemperature": {
  "epc": "0xBB",
  "descriptions": {"ja": "浴室室内温度計測値", "en": "Measured value of bathroom temperature"},
  "writable": false,
  "observable": false,
  "schema": {
    "type": "number",
    "unit": "Celsius",

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        "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
            },
            {
                "type": "string",
                "enum": ["auto"],
                "values": [
                    {"value": "auto", "descriptions": {"ja": "自動", "en": "Auto"}},
                    {"value": "0x41", "descriptions": {"ja": "自動", "en": "Auto"}},
                    {"value": "0x42", "descriptions": {"ja": "自動", "en": "Auto"}}
                ]
            }
        ]
    }
},
"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, "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"}
        ]
    }
}
]

```

```
    }
  },
  "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"}},
        {"value": false, "descriptions": {"ja": "予約切", "en": "reservation OFF"}},
      ]
    }
  },
  "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", "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": "mist sauna", "descriptions": {"ja": "ミストサウナ運転予約",
          "en": "Mist sauna operation reservation"}, "edt": "0x60"},
        {"value": "water mist", "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"}, "edt": "0x00"}
      ]
    }
  },
  "onTimer": {
    "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"
    }
  },
  "onRelativeTimer": {
    "epc": "0x92",
    "descriptions": {"ja": "ONタイマ相対時刻設定値", "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"},
        {"value": false, "descriptions": {"ja": "予約切", "en": "reservation OFF"},
"edt": "0x42"}
      ]
    }
  },
  "offTimer": {
    "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"
    }
  },
  "offRelativeTimer": {
    "epc": "0x96",
    "descriptions": {"ja": "OFFタイマ相対時刻設定値", "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"  
    }  
  }  
}
```

住宅用太陽光発電:pvPowerGeneration:0x0279

Properties

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
idNumber	GET	string	0x83	識別番号 Identification number	
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	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	0xB1	次回アクセス時 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	
upperLimitClip	GET	number	0xB4	上限クリップ設定値 Upper limit clip 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	
approvedCapacity	GET	number	0xC3	設備認定容量 Capacity approved by equipment	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
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 Rated power generation output (System-interconnected)	
cumulativeElectricEnergyOfGeneration	GET	number	0xE1	積算発電電力量計測値 Measured cumulative amount of electric energy generated	
ratedElectricPowerOfGeneration	GET	number	0xE8	定格発電電力値 (系統連携時) Rated power generation output (System-interconnected)	
ratedElectricPowerOfGenerationIndependent	GET	number	0xE9	定格発電電力値 (独立時) Rated power generation output (Independent)	

Device Description

```
{
  "deviceType": "pvPowerGeneration",
  "eoj": "0x0279",
  "descriptions": {"ja": "住宅用太陽光発電", "en": "PV Power Generation"},
  "properties": {
    "idNumber": {
      "epc": "0x83",
      "descriptions": {"ja": "識別番号", "en": "Identification number"},
      "writable": false,
      "observable": false,
    }
  }
}
```



```

        "schema": {"type": "string"}
    },
    "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",
            "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": false,
        "observable": false,
        "schema": {
            "type": "boolean",
            "values": [
                {"value": true, "descriptions": {"ja": "ON", "en": "ON"}, "edt": "0x41"},
                {"value": false, "descriptions": {"ja": "OFF", "en": "OFF"}, "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": {
                    "type": "string",
                    "format": "date-time"
                },
                "intervalTime": {

```

```

        "type": "number",
        "unit": "minute",
        "minimum": "0",
        "maximum": "60",
        "multipleOf": "30"
    },
    "powerControlRatio": {
        "type": "array",
        "minItems": 96,
        "maxItems": 96,
        "items": {
            "oneOf": [
                {
                    "type": "number",
                    "unit": "%",
                    "minimum": 0,
                    "maximum": 100
                },
                {
                    "type": "string",
                    "enum": ["undefined"],
                    "values": [
                        { "value": "undefined", "descriptions": { "ja": "出力制御スケジュールが取得できていない", "en": "the output power controlling schedule has not acquired", "edt": "0xFF" }
                    ]
                }
            ]
        }
    }
},
"updateScheduleDateAndTime": {
    "epc": "0xB1",
    "descriptions": { "ja": "次回アクセス時", "en": "Next access date and time", "edt": "0x41" },
    "writable": false,
    "observable": true,
    "schema": { "type": "string", "format": "date-time" }
},
"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", "edt": "0x42" },
    "writable": false,
    "observable": false,
    "schema": {
        "type": "boolean",
        "values": [
            { "value": true, "descriptions": { "ja": "ON", "en": "ON", "edt": "0x41" }, "edt": "0x41" },
            { "value": false, "descriptions": { "ja": "OFF", "en": "OFF", "edt": "0x42" }, "edt": "0x42" }
        ]
    }
}
},

```

```

    "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": {
        "type": "number",
        "unit": "W",
        "minimum": "0",
        "maximum": "65533"
      }
    },
    "contractType": {
      "epc": "0xC1",
      "descriptions": {"ja": "FIT契約タイプ", "en": "FIT contract type"},
      "writable": true,
      "observable": false,
      "schema": {
        "type": "string",
        "enum": ["FIT", "nonFIT", "undefined"],
        "values": [
          {"value": "FIT", "descriptions": {"ja": "FIT", "en": "FIT"}, "edt": "0x41"},
          {"value": "nonFIT", "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"},
          {"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": {
        "type": "number",

```

```

        "unit": "W",
        "minimum": "0",
        "maximum": "65533"
    }
},
"conversionCoefficient": {
    "epc": "0xC4",
    "descriptions": {"ja": "換算係数", "en": "Conversion coefficientx"},
    "writable": false,
    "observable": false,
    "schema": {
        "type": "number",
        "unit": "%",
        "minimum": "0",
        "maximum": "100"
    }
},
"powerSystemInterconnectionStatus": {
    "epc": "0xD0",
    "descriptions": {"ja": "系統連携状態", "en": "System-interconnected type"},
    "writable": false,
    "observable": false,
    "schema": {
        "type": "string",
        "enum": ["reversePowerFlowAccseptable", "Independent",
"reversePowerFlowNotAccseptable", "unknown"],
        "values": [
            {"value": "reversePowerFlowAccseptable", "descriptions": {"ja": "系統連系（逆潮流可）", "en": "Sytem-inetconnect type(revrse power flow accseptable)"}, "edt": "0x00"},
            {"value": "Independent", "descriptions": {"ja": "独立", "en": "Independent type"}, "edt": "0x01"},
            {"value": "reversePowerFlowNotAccseptable", "descriptions": {"ja": "系統連系（逆潮流不可）", "en": "Sytem-inetconnect type(revrse power flow not accseptable)"}, "edt": "0x02"},
            {"value": "unknown", "descriptions": {"ja": "不明", "en": "Unknown"}, "edt": "0x03"}
        ]
    }
},
"outputPowerRestrainingStatus": {
    "epc": "0xD1",
    "descriptions": {"ja": "出力抑制状態", "en": "Output power restraint status"},
    "writable": false,
    "observable": false,
    "schema": {
        "type": "string",
        "enum": ["outputControl", "exceptControl", "reasonUnknown", "notPowerRestraining",
"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"}
            ]
        }
    },
    "instantaneousPowerGeneration": {
        "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",
            "unit": "W"
        }
    },
    "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",
            "magnification": 0.001
        }
    },
    "ratedElectricPowerOfGeneration": {
        "epc": "0xE8",
        "descriptions": {"ja": "定格発電電力値（系統連携時）", "en": "Rated Power generation
output (System-interconnected)"},
        "writable": false,
        "observable": false,
        "schema": {
            "type": "number",
            "unit": "W",
            "minimum": "0",
            "maximum": "65533"
        }
    },
    "ratedElectricPowerOfGenerationIndependent": {
        "epc": "0xE9",
        "descriptions": {"ja": "定格発電電力値（独立時）", "en": "Rated power generation output
(Independent)"},
        "writable": false,
        "observable": false,
        "schema": {
            "type": "number",
            "unit": "W",
            "minimum": "0",
            "maximum": "65533"
        }
    }
}

```

```
}  
  }  
}
```

床暖房: floorHeater: 0x027B

Properties

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
targetTemperature1	GET, PUT	number	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	0xE2	室内温度計測値 Measured room temperature	
measuredFloorTemperature	GET	number	0xE3	床温度計測値 Measured floor temperature	
controllableZone	GET, PUT	object	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	object	0xE7	デイリータイマー 1 設定 Daily timer setting 1	*1
workedDailyTimer2	GET, PUT	object	0xE8	デイリータイマー 2 設定 Daily timer setting 2	*1
reservationOfOnTimer	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	
reservationOfOffTimer	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	

Property Name	Resource	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
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",
  "eoj": "0x027B",
  "descriptions": { "ja": "床暖房", "en": "floor heater" },
  "properties": {
    "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,
            "multipleOf": 1
          },
          {
            "type": "string",
            "enum": [ "auto" ],
            "values": [
              { "value": "auto", "descriptions": { "ja": "自動", "en": "Auto" } }
            ]
          }
        ]
      }
    }
  }
}
    
```



```
    }
  ]
}
},
"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" },
            "edc": "0x41"
          }
        ]
      }
    ]
  }
},
"measuredRoomTemperature": {
  "epc": "0xE2",
  "descriptions": { "ja": "室内温度計測値", "en": "Measured room temperature" },
  "writable": false,
  "observable": false,
  "schema": {
    "type": "number",
    "unit": "Celsius",
    "minimum": -127,
    "maximum": 125,
    "multipleOf": 1
  }
},
"measuredFloorTemperature": {
  "epc": "0xE3",
  "descriptions": { "ja": "床温度計測値", "en": "Measured floor temperature" },
  "writable": false,
  "observable": false,
  "schema": {
    "type": "number",
    "unit": "Celsius",
    "minimum": -127,
    "maximum": 125,
    "multipleOf": 1
  }
},
}
```

```
    "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" } },
            { "value": false, "descriptions": { "ja": "制御無し", "en": "without control" } }
          ]
        }
      }
    },
    "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", "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": "highPower" }, "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": "timerOFF", "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", "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",
          "note": {
            "ja": "開始分は0分もしくは30分。",
            "en": "Time is fixed at 0 or 30 min."
          }
        },
        "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": {"ja": "運転開始時間", "en": "Start 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."
        }
    },
    "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."
        }
    }
}
}
},
"reservationOfOnTimer": {
    "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", "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"
    }
  },
  "reservationOfOffTimer":{
    "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":[
        {"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"
    }
},
"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,
        "multipleOf": 1
    }
},
"powerMeasurementMethod": {
    "epc": "0xEA",
    "descriptions": { "ja": "消費電力計測方法", "en": "Power consumption measurement method"
},
    "writable": true,
    "observable": false,
    "schema": {
        "type": "string",
        "enum": ["node", "class", "other"],
        "values": [
            {"value": "node", "descriptions": {"ja": "ノード単位", "en": "Node unit"},
            {"value": "class", "descriptions": {"ja": "クラス単位", "en": "Class unit"},
            {"value": "instance", "descriptions": {"ja": "インスタンス", "en": "Instance
unit"}, "edt": "0x43"}
        ]
    }
}
}
}
```

単機能照明:monoFunctionalLighting:0x0291

Properties

Property	Resource Name	Access Method	Data Type	EPC(EL)	プロパティ名称(EL)	Note
brightness		GET, PUT	number	0xB0	照度レベル設定 Illuminance level	

Device Description

```
{
  "deviceType": "monoFunctionalLighting",
  "eoj": "0x0291",
  "descriptions": { "ja": "単機能照明", "en": "mono functional lighting" },
  "properties": {
    "brightness": {
      "epc": "0xB0",
      "descriptions": { "ja": "照度レベル設定", "en": "Illuminance level" },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "number",
        "unit": "%",
        "minimum": 0,
        "maximum": 100
      }
    }
  }
}
```

冷凍冷蔵庫:refrigerator:0x03B7

Properties

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
doorOpenCloseStatus	GET	string	0xB0	いずれかのドア開閉状態 Any of door is open status	
doorOpenWarning	GET	boolean	0xB1	ドア開放警告状態 Door open warning status	
refrigeratorCompartmentDoorStatus	GET	string	0xB2	冷蔵室ドア開閉状態 Refrigerator compartment door open or closed status	
freezerCompartmentDoorStatus	GET	string	0xB3	冷凍室ドア開閉状態 Freezer compartment door open or closed status	
iceCompartmentDoorStatus	GET	string	0xB4	氷温室ドア開閉状態 Ice compartment door open or closed status	
vegetableCompartmentDoorStatus	GET	string	0xB5	野菜室ドア開閉状態 Vegetable compartment door open or closed status	
multiModeCompartmentDoorStatus	GET	string	0xB6	切換室ドア開閉状態 Multi refrigerating mode compartment door open or closed status	
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	
vegetableTemperature	GET, PUT	number	0xE5	野菜室温度設定値 Vegetable compartment temperature setting	

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

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
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	
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	冷蔵庫加湿動作設定 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	

Device Description

```
{
  "deviceType": "refrigerator",
  "eoj": "0x03B7",
  "descriptions": { "ja": "冷凍冷蔵庫", "en": "Refrigerator" },
  "properties": {
    "doorOpenCloseStatus": {
      "epc": "0xB0",
      "descriptions": { "ja": "いずれかのドア開状態", "en": "Any of door is open status" },
      "writable": false,
    }
  }
}
```

```

        "observable": false,
        "schema": {
            "type": "string",
            "enum": ["anyOpen", "allClose"],
            "values": [
                {"value": "anyOpen", "descriptions": {"ja": "いずれかのドア開", "en": "Any of door
is open"}, "edt": "0x41"},
                {"value": "allclose", "descriptions": {"ja": "全ドア閉", "en": "all door close"},
"edt": "0x42"}
            ]
        }
    },
    "doorOpenWarning": {
        "epc": "0xB1",
        "descriptions": {"ja": "ドア開放警告状態", "en": "Door open warning status"},
        "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": "冷蔵庫ドア開閉状態", "en": "Refrigerator compartment door open
or closed 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": "Close"}, "edt": "0x42"}
            ]
        }
    },
    "freezerCompartmentDoorStatus": {
        "epc": "0xB3",
        "descriptions": {"ja": "冷凍室ドア開閉状態", "en": "Freezer compartment door open or
closed 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": "Close"}, "edt": "0x42"}
            ]
        }
    }
}

```

```
    ]
  }
},
"iceCompartmentDoorStatus": {
  "epc": "0xB4",
  "descriptions": { "ja": "氷温室ドア開閉状態", "en": "Ice compartment door open or closed 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": "Close" }, "edt": "0x42" }
    ]
  }
},
"vegetableCompartmentDoorStatus": {
  "epc": "0xB5",
  "descriptions": { "ja": "野菜室ドア開閉状態", "en": "Vegetable compartment door open or closed 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": "Close" }, "edt": "0x42" }
    ]
  }
},
"multiModeCompartmentDoorStatus": {
  "epc": "0xB6",
  "descriptions": { "ja": "切換室ドア開閉状態", "en": "Multi refrigerating mode compartment door open or closed 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": "Close" }, "edt": "0x42" }
    ]
  }
},
"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": "冷蔵庫室", "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": "Ice 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 mode compartment" },
              "type": "number",
              "minimum": 0,
              "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": "冷蔵庫温度設定値", "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",
            "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" },
    }

```

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        "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,
        "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
    compartment temperature level setting" 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
    measuredRefrigeratorTemperature" property"
    }
},
"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,
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        "unit": "Celsius",
        "minimum": -127,
        "maximum": 126
    }
},
"measuredIceTemperature": {
```



```

        "epc": "0xD3",
        "descriptions": { "ja": "氷温室温度計測値", "en": "Measured ice 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",
    "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"},
                "type": "number",
                "minimum": 1,
                "maximum": 255
            },
            "rotationSpeed": {
                "descriptions": { "ja": "回転数レベル", "en": "Rotation speed"},

```

```

        "type": "number",
        "minimum": 0,
        "maximum": 255,
        "note": {
            "ja": "0は停止を示す",
            "en": "Value 0 represents Stop"
        }
    }
}
},
"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", "en": "Rated power consumption" },
    "writable": false,
    "observable": false,
    "schema": {
        "type": "number",
        "unit": "W",
        "minimum": 0,
        "maximum": 65533
    }
},
"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": [ "normal", "quick", "standby" ],
        "values": [
            { "value": "normal", "descriptions": { "ja": "通常冷凍", "en": "Normal operation" },
            { "value": "quick", "descriptions": { "ja": "急速冷凍", "en": "Quick freeze" },
            { "value": "standby", "descriptions": { "ja": "急速冷凍待機", "en": "Standby for quick freezing" },
            { "value": "standby", "descriptions": { "ja": "急速冷凍待機", "en": "Standby for quick freezing" }
        ]
    }
}

```

```
    },
    "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 freeze"},
            "edt": "0x42"},
          {"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", "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": "Contains
water"}, "edt": "0x41"},
                {"value": "warning", "descriptions": {"ja": "タンクなし水なし", "en": "Tank
remove or no water"}, "edt": "0x42"}
            ]
        }
    },
    "refrigeratorHumidification": {
        "epc": "0xA8",
        "descriptions": {"ja": "冷蔵庫加湿動作設定", "en": "Refrigerator 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"}
            ]
        }
    },
    "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"},
        "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"}  
  ]  
}  
}  
}
```

クッキングヒータ:cookingHeater:0x03B9

Properties

Property Name	Resource	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
heatingStatus		GET	object	0xB1	加熱状態 Heating status	
heatingOperation		GET, PUT	object	0xB2	加熱設定 Heating setting	
heatingPower		GET, PUT	object	0xE7	加熱出力設定 Heating power setting	*1
heatingTemperature		GET, PUT	object	0xE3	加熱温度設定値 Heating temperature setting	
heatingModesOfStoves		GET, PUT	object	0xE0	コンロ加熱モード設定 “Heating modes of stoves” setting	
relativeTimeOfOffTimers		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	

*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。

Actions

Property Name	Resource	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	

Device Description

```
{
  "deviceType": "cookingHeater",
  "eoj": "0x03B9",
  "descriptions": { "ja": "クッキングヒータ", "en": "Cooking Heater" },
  "properties": {
    "heatingStatus": {
      "epc": "0xB1",
      "descriptions": { "ja": "加熱状態", "en": "Heating status" },
    },
  }
}
```

```

        "writable": false,
        "observable": false,
        "schema": {
            "type": "object",
            "properties": {
                "leftStove": {
                    "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": {
                    "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"}
                    ]
                },
                "farSideStove": {
                    "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"}
                    ]
                }
            }
        }
    }
}

```

```

    ]
    },
    "roaster": {
        "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"}
        ]
    }
}
},
"heatingOperation": {
    "epc": "0xB2",
    "descriptions": {"ja": "加熱設定", "en": "Heating setting" },
    "writable": true,
    "observable": false,
    "schema": {
        "type": "object",
        "properties": {
            "leftStove": {
                "type": "string",
                "enum": ["stopHeating", "startOrResumeHeating", "temporarilyStopHeating",
"noSetting"],
                "values": [
                    {"value": "stopHeating", "descriptions": {"ja": "加熱停止", "en": "Stop
heating"}, "edt": "0x40"},
                    {"value": "startOrResumeHeating", "descriptions": {"ja": "加熱開始・再
開", "en": "Start/resume heating"}, "edt": "0x41"},
                    {"value": "temporarilyStopHeating", "descriptions": {"ja": "加熱一時停
止", "en": "Temporarily stop heating"}, "edt": "0x42"},
                    {"value": "noSetting", "descriptions": {"ja": "設定なし", "en": "No
setting"}, "edt": "0xFF"}
                ]
            },
            "rightStove": {
                "type": "string",
                "enum": ["stopHeating", "startOrResumeHeating", "temporarilyStopHeating",
"noSetting"],
                "values": [
                    {"value": "stopHeating", "descriptions": {"ja": "加熱停止", "en": "Stop
heating"}, "edt": "0x40"},
                    {"value": "startOrResumeHeating", "descriptions": {"ja": "加熱開始・再
開", "en": "Start/resume heating"}, "edt": "0x41"},

```



```

        {"value": "temporarilyStopHeating", "descriptions": {"ja": "加熱一時停止", "en": "Temporarily stop heating"}, "edt": "0x42"},
        {"value": "noSetting", "descriptions": {"ja": "設定なし", "en": "No setting"}, "edt": "0xFF"}
    ],
    },
    "farSideStove": {
        "type": "string",
        "enum": ["stopHeating", "startOrResumeHeating", "temporarilyStopHeating", "noSetting"],
        "values": [
            {"value": "stopHeating", "descriptions": {"ja": "加熱停止", "en": "Stop heating"}, "edt": "0x40"},
            {"value": "startOrResumeHeating", "descriptions": {"ja": "加熱開始・再開", "en": "Start/resume heating"}, "edt": "0x41"},
            {"value": "temporarilyStopHeating", "descriptions": {"ja": "加熱一時停止", "en": "Temporarily stop heating"}, "edt": "0x42"},
            {"value": "noSetting", "descriptions": {"ja": "設定なし", "en": "No setting"}, "edt": "0xFF"}
        ]
    },
    "roaster": {
        "type": "string",
        "enum": ["stopHeating", "startOrResumeHeating", "temporarilyStopHeating", "noSetting"],
        "values": [
            {"value": "stopHeating", "descriptions": {"ja": "加熱停止", "en": "Stop heating"}, "edt": "0x40"},
            {"value": "startOrResumeHeating", "descriptions": {"ja": "加熱開始・再開", "en": "Start/resume heating"}, "edt": "0x41"},
            {"value": "temporarilyStopHeating", "descriptions": {"ja": "加熱一時停止", "en": "Temporarily stop heating"}, "edt": "0x42"},
            {"value": "noSetting", "descriptions": {"ja": "設定なし", "en": "No setting"}, "edt": "0xFF"}
        ]
    }
}
},
"heatingPower": {
    "epc": "0xE7",
    "descriptions": {"ja": "加熱出力設定", "en": "Heating power setting"},
    "writable": true,
    "observable": false,
    "schema": {
        "type": "object",
        "properties": {
            "leftStove": {
                "type": "object",
                "properties": {
                    "oneOf": [
                        {
                            "wattage": {
                                "descriptions": {"ja": "出力設定形式", "en": "output

```

```

wattage"},
    "type": "number",
    "unit": "W",
    "minimum": 0,
    "maximum": 10000,
    "multipleOf": 1
  }
},
{
  "level": {
    "descriptions": {"ja": "レベル設定形式", "en": "level"},
    "type": "number",
    "minimum": 0,
    "maximum": 16,
    "multipleOf": 1
  }
},
{
  "stateOfFlame": {
    "descriptions": {"ja": "状態表現形式", "en": "the state
of flame"},
    "type": "string",
    "enum": ["veryLowFlame", "lowFlame", "mediumFlame",
"highFlame", "highPower"],
    "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"},
      {"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"}
    ]
  }
},
{
  "noSetting": {
    "descriptions": {"ja": "未設定", "en": "No Setting"},
    "type": "null",
    "edt": "0xFFFF"
  }
}
]
},
"rightStove": {
  "type": "object",
  "properties": {
    "oneOf": [
      {
        "wattage": {

```

```

        "descriptions": {"ja": "出力設定形式", "en": "output
wattage"},
        "type": "number",
        "unit": "W",
        "minimum": 0,
        "maximum": 10000,
        "multipleOf": 1
    },
    },
    {
        "level": {
            "descriptions": {"ja": "レベル設定形式", "en": "level"},
            "type": "number",
            "minimum": 0,
            "maximum": 16,
            "multipleOf": 1
        }
    },
    {
        "stateOfFlame": {
            "descriptions": {"ja": "状態表現形式", "en": "the state
of flame"},
            "type": "string",
            "enum": ["veryLowFlame", "lowFlame", "mediumFlame",
"highFlame", "highPower"],
            "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"},
                {"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"}
            ]
        }
    },
    {
        "noSetting": {
            "descriptions": {"ja": "未設定", "en": "No Setting"},
            "type": "null",
            "edt": "0xFFFF"
        }
    }
]
},
"farSideStove": {
    "type": "object",
    "properties": {
        "oneOf": [
            {

```

```

        "wattage": {
            "descriptions": {"ja": "出力設定形式", "en": "output
wattage"},
            "type": "number",
            "unit": "W",
            "minimum": 0,
            "maximum": 10000,
            "multipleOf": 1
        }
    },
    {
        "level": {
            "descriptions": {"ja": "レベル設定形式", "en": "level"},
            "type": "number",
            "minimum": 0,
            "maximum": 16,
            "multipleOf": 1
        }
    },
    {
        "stateOfFlame": {
            "descriptions": {"ja": "状態表現形式", "en": "the state
of flame"},
            "type": "string",
            "enum": ["veryLowFlame", "lowFlame", "mediumFlame",
"highFlame", "highPower"],
            "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"},
                {"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"}
            ]
        }
    },
    {
        "noSetting": {
            "descriptions": {"ja": "未設定", "en": "No Setting"},
            "type": "null",
            "edt": "0xFFFF"
        }
    }
]
},
"roaster": {
    "type": "object",
    "properties": {
        "oneOf": [

```

```

        {
            "wattage": {
                "descriptions": {"ja": "出力設定形式", "en": "output
wattage"},
                "type": "number",
                "unit": "W",
                "minimum": 0,
                "maximum": 10000,
                "multipleOf": 1
            }
        },
        {
            "level": {
                "descriptions": {"ja": "レベル設定形式", "en": "level"},
                "type": "number",
                "minimum": 0,
                "maximum": 16,
                "multipleOf": 1
            }
        },
        {
            "stateOfFlame": {
                "descriptions": {"ja": "状態表現形式", "en": "the state
of flame"},
                "type": "string",
                "enum": ["veryLowFlame", "lowFlame", "mediumFlame",
"highFlame", "highPower"],
                "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"},
                    {"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"}
                ]
            }
        },
        {
            "noSetting": {
                "descriptions": {"ja": "未設定", "en": "No Setting"},
                "type": "null",
                "edt": "0xFFFF"
            }
        }
    ]
}
}
}
},

```

```
    "heatingTemperature": {
      "epc": "0xE3",
      "descriptions": { "ja": "加熱温度設定値", "en": "Heating temperature setting" },
      "writable": true,
      "observable": false,
      "schema": {
        "type": "object",
        "properties": {
          "leftStove": {
            "oneOf": [
              {
                "type": "number",
                "unit": "Celsius",
                "minimum": 50,
                "maximum": 250
              },
              {
                "type": "string",
                "enum": ["noSetting"],
                "values": [
                  { "value": "noSetting", "descriptions": { "ja": "設定なし",
                    "en": "noSetting"}, "edt": "0xFF" }
                ]
              }
            ]
          },
          "rightStove": {
            "oneOf": [
              {
                "type": "number",
                "unit": "Celsius",
                "minimum": 50,
                "maximum": 250
              },
              {
                "type": "string",
                "enum": ["noSetting"],
                "values": [
                  { "value": "noSetting", "descriptions": { "ja": "設定なし",
                    "en": "noSetting"}, "edt": "0xFF" }
                ]
              }
            ]
          },
          "farSideStove": {
            "oneOf": [
              {
                "type": "number",
                "unit": "Celsius",
                "minimum": 50,
                "maximum": 250
              },
              {
                "type": "string",
```

```

        "enum":["noSetting"],
        "values":[
            {"value":"noSetting", "descriptions":{"ja":"設定なし",
"en":"noSetting"}, "edt":"0xFF"}
        ]
    }
}
},
"heatingModesOfStoves":{
    "epc":"0xE0",
    "descriptions":{"ja":"コンロ加熱モード設定", "en":"Heating modes of stoves" },
    "writable":true,
    "observable":false,
    "schema":{
        "type":"object",
        "properties":{
            "leftStove": {
                "type":"string",
                "enum":["heatingPowerControl", "deepFrying", "waterHeating",
"riceBoiling", "stirFrying", "noSetting"],
                "values":[
                    {"value":"heatingPowerControl", "descriptions":{"ja":"加熱出力制御モ
ード", "en":"Heating power control mode"}, "edt":"0x41"},
                    {"value":"deepFryingMode", "descriptions":{"ja":"天ぷら（揚げ物）",
"en":"Deep-frying mode"}, "edt":"0x42"},
                    {"value":"waterHeating", "descriptions":{"ja":"湯沸し", "en":"Water
heating mode"}, "edt":"0x43"},
                    {"value":"riceBoiling", "descriptions":{"ja":"炊飯", "en":"Rice
boiling mode"}, "edt":"0x44"},
                    {"value":"stirFrying", "descriptions":{"ja":"炒め物", "en":"Stir-
frying mode"}, "edt":"0x45"},
                    {"value":"noSetting", "descriptions":{"ja":"設定なし", "en":"No
Setting"}, "edt":"0xFF"}
                ]
            },
            "rightStove": {
                "type":"string",
                "enum":["heatingPowerControl", "deepFrying", "waterHeating",
"riceBoiling", "stirFrying", "noSetting"],
                "values":[
                    {"value":"heatingPowerControl", "descriptions":{"ja":"加熱出力制御モ
ード", "en":"Heating power control mode"}, "edt":"0x41"},
                    {"value":"deepFryingMode", "descriptions":{"ja":"天ぷら（揚げ物）",
"en":"Deep-frying mode"}, "edt":"0x42"},
                    {"value":"waterHeating", "descriptions":{"ja":"湯沸し", "en":"Water
heating mode"}, "edt":"0x43"},
                    {"value":"riceBoiling", "descriptions":{"ja":"炊飯", "en":"Rice
boiling mode"}, "edt":"0x44"},
                    {"value":"stirFrying", "descriptions":{"ja":"炒め物", "en":"Stir-
frying mode"}, "edt":"0x45"},
                    {"value":"noSetting", "descriptions":{"ja":"設定なし", "en":"No

```

```
Setting"}, "edt": "0xFF"}
    ]
  },
  "farSideStove": {
    "type": "string",
    "enum": ["heatingPowerControl", "deepFrying", "waterHeating",
"riceBoiling", "stirFrying", "noSetting"],
    "values": [
      {"value": "heatingPowerControl", "descriptions": {"ja": "加熱出力制御モ
ード", "en": "Heating power control mode"}, "edt": "0x41"},
      {"value": "deepFryingMode", "descriptions": {"ja": "天ぷら（揚げ物）",
"en": "Deep-frying mode"}, "edt": "0x42"},
      {"value": "waterHeating", "descriptions": {"ja": "湯沸し", "en": "Water
heating mode"}, "edt": "0x43"},
      {"value": "riceBoiling", "descriptions": {"ja": "炊飯", "en": "Rice
boiling mode"}, "edt": "0x44"},
      {"value": "stirFrying", "descriptions": {"ja": "炒め物", "en": "Stir-
frying mode"}, "edt": "0x45"},
      {"value": "noSetting", "descriptions": {"ja": "設定なし", "en": "No
Setting"}, "edt": "0xFF"}
    ]
  }
}
},
"relativeTimeOfOffTimers": {
  "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": {
        "oneOf": [
          {
            "type": "string",
            "format": "time"
          },
          {
            "type": "string",
            "enum": ["noSetting"],
            "values": [
              {"value": "noSetting", "descriptions": {"ja": "設定なし",
"en": "No Setting"}, "edt": "0xFF"}
            ]
          }
        ]
      },
      "rightStove": {
        "oneOf": [
          {
            "type": "string",
```



```

        "format": "time"
      },
      {
        "type": "string",
        "enum": ["noSetting"],
        "values": [
          {"value": "noSetting", "descriptions": {"ja": "設定なし"},
"en": "No Setting"}, {"edt": "0xFF"}
        ]
      }
    ],
    "farSideStove": {
      "oneOf": [
        {
          "type": "string",
          "format": "time"
        },
        {
          "type": "string",
          "enum": ["noSetting"],
          "values": [
            {"value": "noSetting", "descriptions": {"ja": "設定なし"},
"en": "No Setting"}, {"edt": "0xFF"}
          ]
        }
      ]
    },
    "roaster": {
      "oneOf": [
        {
          "type": "string",
          "format": "time"
        },
        {
          "type": "string",
          "enum": ["noSetting"],
          "values": [
            {"value": "noSetting", "descriptions": {"ja": "設定なし"},
"en": "No Setting"}, {"edt": "0xFF"}
          ]
        }
      ]
    }
  ],
  "childLock": {
    "epc": "0xA1",
    "descriptions": {"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": true,
        "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"}
            ]
        }
    },
    "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"
            }
        }
    }
}
```

炊飯器:riceCooker:0x03BB

Properties

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

Device Description

```
{
  "deviceType": "riceCooker",
  "eoj": "0x03BB",
  "descriptions": {"ja": "炊飯器", "en": "Rice cooker"},
  "properties": {
    "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"},
    "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 or restart"}, "edt": "0x41"},
            {"value": "suspension", "descriptions": {"ja": "炊飯一時停止", "en": "Rice
cooking suspension"}, "edt": "0x42"}
        ]
    }
},
"warmerOperation": {
    "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" },
    "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"
      ]
    }
  },
  "reservation": {
    "epc": "0x90",
    "descriptions": { "ja": "炊飯予約設定", "en": "Rice cooking reservation setting" },
    "writable": true,
    "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"
      ]
    }
  },
  "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":"秒の指定は無視される",
      "en":"number of seconds is ignored"
    }
  },
  "reservationRelativeTime":{
    "epc":"0x92",
    "descriptions":{"ja":"炊飯予約設定相対時刻設定値","en":"Rice cooking reservation
relative time 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"
    }
  }
}
}
```

業務用ショーケース:commercialShowcase:0x03CE

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 Measured value of discharge temperature	
groupInformation	GET, PUT	string, number	0xCA	グループ情報 Group information	
groupDeviceList	GET	array	-	グループ内デバイスリスト List of devices in group	*1
internalLightingOperationStatus	GET, PUT	boolean	0xE0	庫内照明動作状態 Internal lighting operation status	
externalLightingOperationStatus	GET, PUT	boolean	0xE1	庫外照明動作状態 External lighting operation status	
compressorOperationStatus	GET, PUT	boolean	0xE2	コンプレッサ動作状態 Compressor operation status	
internalTemperature	GET	number	0xE3	庫内温度計測値 Measured value of internal temperature	
ratedElectricPowerForFreezing	GET	number	0xE4	冷凍能力値 Freezing capability value	
ratedElectricPowerForDefrostingHeater	GET	number	0xE5	霜取りヒータ消費電力 Defrosting heater power consumption	
ratedElectricPowerForFanMotor	GET	number	0xE6	ファンモータ消費電力 Fan motor power consumption	
heaterOperationStatus	GET	boolean	0xE7	ヒーターモード Heater mode	

Property Resource Name	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
insideLightingType	GET	string	0xEB	庫内照明タイプ Type of lighting inside the showcase	
outsideLightingType	GET	string	0xEC	庫外照明タイプ Type of lighting outside the case	
targetInsideBrightness	GET, PUT	number	0xED	庫内照明照度レベル設定 Illuminance level setting of lighting inside the showcase	
targetOutsideBrightness	GET, PUT	number	0xEE	庫外照明照度レベル設定 Illuminance level setting of lighting outside the case	
targetInsideTemperature	GET, PUT	number	0xEF	庫内温度設定値 Temperature setting of inside the case	
showcaseType	GET	string	0xD0	ショーケースタイプ情報 Showcase type information	
doorType	GET	string	0xD1	ドアタイプ情報 Door type information	
refrigeratorType	GET	string	0xD2	ショーケース構成情報 Showcase configuration information	
shapeType	GET	string	0xD3	ショーケース形状情報 Showcase shape information	
purposeType	GET	string	0xD4	庫内温度帯情報 Temperature range information for inside the case	

*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",
```



```

"ej": "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", "non-cooling", "defrosting", "other" ],
      "values": [
        { "value": "cooling", "descriptions": { "ja": "冷却", "en": "Cooling" },
          "edt": "0x41" },
        { "value": "non-cooling", "descriptions": { "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": "Other" }, "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", "en":"None"},
        "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' "
    }
},
"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"}
    ]
}
},
"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,
        "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" }
        ]
      }
    },
    "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", "no-lighting", "other"],
      "values": [
        {"value": "fluorescent", "descriptions": {"ja": "蛍光灯", "en": "Fluorescent
lights"}, "edt": "0x41"},
        {"value": "LED", "descriptions": {"ja": "LED", "en": "LED"}, "edt": "0x42"},
        {"value": "no-lighting", "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", "LED", "no-lighting", "other"],
      "values": [
        {"value": "fluorescent", "descriptions": {"ja": "蛍光灯", "en": "Fluorescent
lights"}, "edt": "0x41"},
        {"value": "LED", "descriptions": {"ja": "LED", "en": "LED"}, "edt": "0x42"},
        {"value": "no-lighting", "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",
            "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
        }
    },
    "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"},
                {"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"],
        "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", "built-in"],
        "values": [
            { "value": "separate", "descriptions": { "ja": "別置型", "en": "Separate type" },
            "edt": "0x41" },
            { "value": "built-in", "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",
        "enum": ["box", "desktop", "tripleGlass", "quadrupleQuintupleGlass", "reach-in",
"glassTop", "multistageOpenAndCeilingBlowoff", "multistageOpenAndBacksideBlowoff", "flat", "walk-
in", "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

```


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

Properties

Property Name	Resource	Access Method	Data Type	EPC (EL)	プロパティ名称 (EL)	Note
exceptionalStatus		GET	boolean	0xAA	特殊状態 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 Measured value of outdoor air temperature	
compressorOperationStatus		GET, PUT	boolean	0xE2	コンプレッサ動作状態 Compressor operation status	
groupInformation		GET, PUT	string, number	0xCA	グループ情報 Group information	
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",
  "eoj": "0x03D4",
  "descriptions": { "ja": "業務用ショーケース向け室外機", "en": "Commercial Showcase 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": { "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", "non-cooling"],
      "values": [
        { "value": "cooling", "descriptions": { "ja": "冷却", "en": "Cooling" },
          "edt": "0x41" },
        { "value": "non-cooling", "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
    }
  },
  "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" }
      ]
    }
  },
  "groupInformation": {
    "epc": "0xCA",
    "descriptions": { "ja": "グループ情報", "en": "Group Information" },
    "writable": true,
  }
}

```


スイッチ:switch:0x05FD

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",
  "eoj": "0x05FD",
  "descriptions": { "ja": "スイッチ (JEMA/HA端子対応)", "en": "switch" },
  "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)"
      }
    }
  }
}
```