

Version: 1.0

DevicePower

The DevicePower component handles the monitoring of device's battery charge and is only available on battery-operated devices. DevicePower components are identified with `devicepower:<id>` in objects containing multiple component payloads.

The DevicePower component uses `DevicePower` as RPC namespace and implements the minimal component interface:

- `DevicePower.SetConfig` to update the component's `configuration`
- `DevicePower.GetConfig` to obtain the component's `configuration`
- `DevicePower.GetStatus` to obtain the component's `status`

Methods

DevicePower.SetConfig

Properties:

Property	Type	Description
<code>id</code>	<code>number</code>	Id of the DevicePower component instance
<code>config</code>	<code>object</code>	Empty object

Find more about the config properties in [config section](#)

DevicePower.GetConfig

Properties:

Property	Type	Description
<code>id</code>	<code>number</code>	Id of the DevicePower component instance

Find the `DevicePower.GetConfig` response properties in [config section](#)

DevicePower.GetStatus

Properties:

Property	Type	Description
<code>id</code>	<code>number</code>	Id of the DevicePower component instance

Configuration

The DevicePower component does not own any configuration properties.

Status

The status of the DevicePower component contains information about the battery charge and the presence of an external power source, if such is supported. To obtain the status of the DevicePower component its `id` must be specified.

Properties:

Property	Type	Description
<code>id</code>	<code>number</code>	Id of the DevicePower component instance
<code>battery</code>	<code>object</code>	Information about the battery charge

Property	Type	Description			
		Property	Type	Description	
		V	number or null	Battery voltage in Volts (null if valid value could not be obtained)	
		percent	number or null	Battery charge level in % (null if valid value could not be obtained)	
		Information about the external power source (only available if external power source is supported)			
external	object	present	bool	Whether external power source is connected	
errors	array of type string	Whether external power source is connected			

Examples

DevicePower.SetConfig example

[DevicePower.SetConfig](#)

[HTTP GET Request](#)

[DevicePower.SetConfig](#)

Curl Request

[DevicePower.SetConfig](#)

Mos Request

```
http://192.168.33.1/rpc/DevicePower.SetConfig?id=0&config={}
```

Response

```
null
```

DevicePower.GetConfig example

DevicePower.GetConfig

HTTP GET Request

DevicePower.GetConfig

Curl Request

DevicePower.GetConfig

Mos Request

```
http://192.168.33.1/rpc/DevicePower.GetConfig?id=0
```

Response

```
null
```

DevicePower.GetStatus example

DevicePower.GetStatus

HTTP GET Request

DevicePower.GetStatus

Curl Request

DevicePower.GetStatus

Mos Request

```
http://192.168.33.1/rpc/DevicePower.GetStatus?id=0
```

Response

```
{
  "id": 0,
  "battery": {
    "V": 4.87,
    "percent": 50
  },
  "external": {
    "present": false
  }
}
```