



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>	<i>number</i>	Id of the DevicePower component instance
<code>config</code>	<i>object</i>	Empty object

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

DevicePower.GetConfig

Properties:

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

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

DevicePower.GetStatus

Properties:

Property	Type	Description
<code>id</code>	<i>number</i>	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>	<i>number</i>	Id of the DevicePower component instance
<code>battery</code>	<i>object</i>	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)
external	object	Information about the external power source (only available if external power source is supported)		
		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
  }
}
```