

## BatterX Local API

### GET `CurrentState`

[http://YOUR\\_IP\\_ADDRESS/api.php?get=currentState](http://YOUR_IP_ADDRESS/api.php?get=currentState)

Returns JSON Object

```
{
  type: {
    entity: {
      type: ...,
      entity: ...,
      entityvalue: ...,
      logtime: ...
    },
    ...
  },
  ...
}
```

[http://YOUR\\_IP\\_ADDRESS/api.php?get=currentState&type=273&entity=1](http://YOUR_IP_ADDRESS/api.php?get=currentState&type=273&entity=1)

Returns Single Value

### Parameters

Types and Entities for all data are documented in the [batterX ID Protocol](#)

**GET `EnergyData`**

[http://YOUR\\_IP\\_ADDRESS/api.php?get=energyData&type=20170613,20140614,...&entity=10](http://YOUR_IP_ADDRESS/api.php?get=energyData&type=20170613,20140614,...&entity=10)

Returns String

25360, 32538, ...

[http://YOUR\\_IP\\_ADDRESS/api.php?get=energyData&entity=60](http://YOUR_IP_ADDRESS/api.php?get=energyData&entity=60)

Returns Integer (Energy Sum of all days with selected entity) (Unit: Wh)

**GET `PowerData`**

[http://YOUR\\_IP\\_ADDRESS/api.php?get=powerData&type=20170613,20140614,...&entity=10](http://YOUR_IP_ADDRESS/api.php?get=powerData&type=20170613,20140614,...&entity=10)

Returns String

1 2 3 4 5 6 7 8 9 ... 96, 1 2 3 4 5 6 7 8 9 ... 96, ...

**Parameters**

**type**           => Array of requested days, formatted as YYYYMMDD  
YYYYMMDD,YYYYMMDD,...

**entity**       => Energy Data Type (documented in the batterX ID Protocol)

|                     |                    |                    |
|---------------------|--------------------|--------------------|
| 60 = Solar Produced | 50 = Load Consumed | 61 = Solar to Load |
| 11 = Grid (In)      | 41 = Battery (In)  |                    |
| 10 = Grid (Out)     | 40 = Battery (Out) |                    |

## GET `WarningsData`

[http://YOUR\\_IP\\_ADDRESS/api.php?get=warningsData&count=5](http://YOUR_IP_ADDRESS/api.php?get=warningsData&count=5)

Returns JSON Array

```
[
  {
    id: ...,
    type: ...,
    entity: ...,
    entityvalue: ...,
    logtime: ...
  },
  ...
]
```

## Parameters

|       |                                  |
|-------|----------------------------------|
| count | => Number of rows to be returned |
|-------|----------------------------------|

## SET Switch ON/OFF/TOGGLE

[http://YOUR\\_IP\\_ADDRESS/api.php?set=switch2&state=1](http://YOUR_IP_ADDRESS/api.php?set=switch2&state=1)

### Returns

On Success: '1'  
On Failure: ''

## Parameters

**set**               => Switch Identifier  
switch1 | switch2 | switch3 | switch4

**state**            => Switch State   0 | 1 | 2  
0 = OFF  
1 = ON  
2 = TOGGLE

## **Release History**

### **v18.1.11**

- Added option to get the sum of all rows with same entity from the EnergyData Table, in Wh

### **v18.1.10**

- User is able to control the four software switches (*Software v18.1.1+*)
- Added option to get single value from the CurrentState Table

### **Initial Version**

- User can query data from the CurrentState, EnergyData, PowerData and WarningsData Tables using simple HTTP/GET requests