

## 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=20170613,20170614,...&entity=10](http://YOUR_IP_ADDRESS/api.php?get=energyData&type=20170613,20170614,...&entity=10)

Returns String (Energy for selected days) (Unit: Wh)

25360, 32538, ...

[http://YOUR\\_IP\\_ADDRESS/api.php?get=energyData&type=201706,201707,...&entity=10](http://YOUR_IP_ADDRESS/api.php?get=energyData&type=201706,201707,...&entity=10)

Returns String (Energy Sum for selected months) (Unit: Wh)

256032, 297436, ...

[http://YOUR\\_IP\\_ADDRESS/api.php?get=energyData&type=2017,2018,...&entity=10](http://YOUR_IP_ADDRESS/api.php?get=energyData&type=2017,2018,...&entity=10)

Returns String (Energy Sum for selected years) (Unit: Wh)

958062, 1674365, ...

[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)

**Parameters**

**type** => Array of requested days/months/years, formatted as YYYYMMDD  
 Days as YYYYMMDD                      Months as YYYYMM                      Years as YYYY

**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 `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

### V18.7.10

- The ID of the **Battery Capacity** has been changed from 0x465 to 0x432

### v18.1.29

- Added option to get total energy per month/s or year/s
- CurrentState and WarningsData do not return double values anymore

### 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