## Methods

|  |  |  |  |
| --- | --- | --- | --- |
| **HTTP Method** | **Action** | **Request URL** | **Parameters** |
| POST | Login | [[https://poweramigo.com/smr](https://poweramigo.com/smr/api/get/)/api/login](http://api.poweramigo.com/api/login) | email  password |
| GET | Retrieve records sample | [https://poweramigo.com/smr/api/get/{*installation\_id*}/data](https://poweramigo.com/smr/api/get/%7binstallation_id%7d/data) | date\_start  time\_start  date\_end  time\_end  units  interval |

## Description

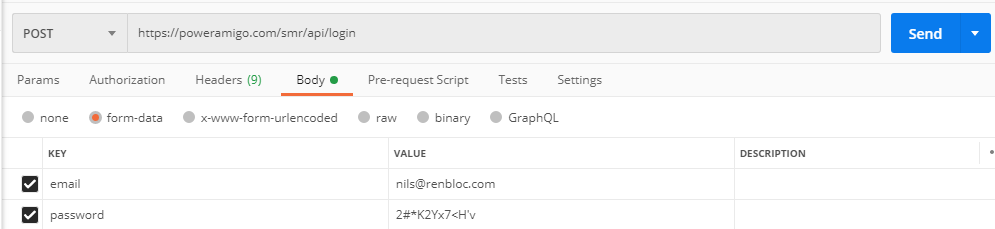
### 1. Login

By providing the appropriate credentials, login method returns a valid authorization token to access recorded devices information.

#### Parameters

* [email] : Your unique user name identification. ([nils@renbloc.com](mailto:nils@renbloc.com))
* [password] : Your secret word to get access. (**2#\*K2Yx7<H'v**)

#### Request



#### Response

Login method returns JSON object with authenticated user data.

{ "user\_id": 123,

"parent\_id": null,

"role\_id": 1,

"avatar\_id": null,

"first\_name": "Nils",

"last\_name": "Soderstrom",

"email": "nils@renbloc.com ",

"mobile\_num": "0212345678",

"status": 1,

"registered\_at": "2020-06-08 15:35:42",

"api\_token": "xxJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImp0aSI6IjI1NmM1MGZmOTQ3NDc2OTA2MDllNmVlODBkNDJhYzFlNTY2MmZlYTgzMzI3OTNlMzFkM2Q1M2JkNTJhYTAwZThkMDU5ZTc2NTQ2ODM5ZWUxIn0.eyJhdWQiOiI1IiwianRpIjAiMjU2YzUwZmY5NDc0NzY5MDYwOWU2ZWU4MGQ0MmFjMWU1NjY2ZmVhODMzMjc5M2UzMWQzZDUzYmQ1MmFhMDBlOGQwNTllNzY1NDY4MzllZTEiLCJpYXQiOjE1NjY5NzY1MDAsIm5iZiI6MTU2Njk3NjUXXxxiZXhwIjoxNTk4NTk4OTAwLCJzdWIiOiIyIiwic2NvcGVzIjpbXX0.Qvye16xV7Zlg12kDylznRm4LPxmXJ-3qyCVmaeFNxl5BT9izW8KqDDu-sWN9aRIGjnhUoVs\_aLOq0NEkljXaEaxjJOp7v9u3IrM5aqoTN-ut9QUPMjUsgwHv0hcguuLUuFT9hQrbfFTeuaX3-Fgk5km9BSjvpZWI1fKi8H37ac39S1w-MSBtHt\_gAd-sWyKoYDFxeSb8Dz6CeaZdQpswU8\_7b5V5F3sK11S1hUJ53gJndA7tEe\_OWoFHj5IBOufPU5YzK7jt2E\_cvX5rzaRpfnm51mdbevyHosFIyXumZ6HWWTeJYUdCjjiEDH4D4AUtlPXJiQJmezm8rZITYNxIScUEMLyyA2TDqnbdu0BxdvZ6Nx47zMrPeo6lJ0KLwtsa\_AlOnhMrUf75vexk2CCh1i61YPK3zJDsMXxkFaFs5BQz5ZVcYd7boOIy748ZKwnJOlQzYO8lvddWPbZVk6iw41gCwGo9o\_wuYkcSrnFIB5\_xxXXz10Nx9USFMORhW7NhQEbLhW6CYHjz2NUXH-OqbREhJGwgVICpJ1WS4eTRI5OM3cjqu9q1ZJrglYFHFqdgnjPW5ILOoNDsuMJT7NTuKVguiAcyc7kKR-ahrLmWB6c-yMX4wLVthOY39lwJJ2SspJh98x7MB-ihyD4eAojRaWTAElKYEA9\_iK4MeC8pqHQ",

"change\_password": 1}

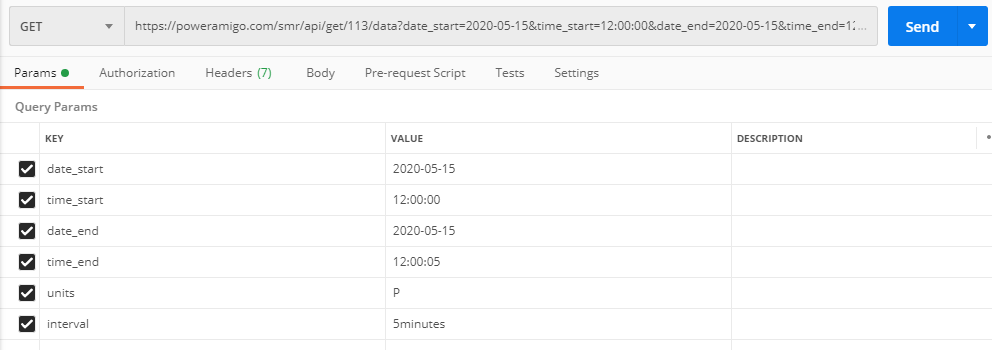
### 2. Retrieve records sample

Recover device stored data during indicated time interval.

#### Parameters

* {installation \_id}: Installation ID where it is requested to retrieve data from. Number. **Required**.
* [date\_start]: Initial date to start retrieving from. Format: ‘YY:MM:dd’. **Required**.
* [time\_start]: Starting hour on date\_start day. Format: ‘hh:mm:ss’. **Required**.
* [date\_end]: Final date to retrieve the data. Format: ‘YY:MM:dd’. **Required**.
* [time\_end]: Ending time for the period recovered. Format: ‘hh:mm:ss’. **Required**.
* [units]: Type of data to retrieve. One character indicating measurement to be retrieved. **Required**.
  + U = Voltage,
  + I = Amperes,
  + P = Active power,
  + S = Apparent power,
  + PF = Power factor
* [interval]: Time interval to be applied to retrieved data. **Required**. One word of the following:
  + 1minute,
  + 5minutes,
  + 10minutes,
  + 15minutes,
  + 1hour,
  + 1month,
  + 3months

#### Request



#### Response

{

    "grid": [

        {

            "timestamp": 95370480000,

            "phaseA": -4.039999961853027,

            "phaseB": -19.139999389648438,

            "phaseC": -9.199999809265137

        }

    ],

    "generation": [

        {

            "timestamp": 95370480000,

            "phaseA": 98.64000034332275,

            "phaseB": 98.64000034332275,

            "phaseC": 98.64000034332275

        }

    ]

}