API Interface Documentation

Version	Updated	Update description		
0.0.1	2016-08-26	Document publishing		
0.0.2	2016-08-30	Document updates, a new user name and		
		collector verification interface example,		
		improve the document structure		
0.0.3	2016-11-21	Document update, http request header		
		inside the only token need to contact		
		Growatt New Energy Co. to obtain, obtain		
		the accessToken interface to stop using		
0.0.4	2016-11-30	Document update, remove the API interface		
		that is no longer in use		
1.0.1	2016-12-20	Document update, new energy storage		
		machine detailed data, alarm data		
		acquisition interface, parameter setting		
		interface		

1 Contents

1	Contents	. 1
2	Fixed parameters	. 4
3	Address header:	. 4
4	Interface example	. 4
	4.1 User	. 4
	4.1.1 User registration (POST mode)	. 4

	4.1.2	Verify that the user name is unique (POST)
	4.1.3	User update (POST)5
	4.1.4	Get the list of end users for the business (GET mode)
4.2	Power	station 6
	4.2.1	Obtain a list of all users' power stations (GET mode) 6
	4.2.2	Update the power station (POST)
	4.2.3	Delete the power station (POST)
	4.2.4	Get the basic information of a power plant (GET)
	4.2.5	Obtain an overview of the data for a plant (GET mode) 8
	4.2.6	Obtain the historical power generation of a power plant (GET)
	4.2.7	To obtain a power plant a day of power data (GET)9
	4.2.8	Add the power plant (POST)
	4.2.9	Get a list of plants under a user (POST mode)
4.3	Equip	ment
	4.3.1	Obtain a list of collectors for a plant (GET)
	4.3.2	Add a collector (POST)
	4.3.3	Delete a collector (POST)
	4.3.4	Obtain a list of devices for a plant (GET)
	4.3.5	Obtains the historical data of an inverter (GET)
	4.3.6	Obtains the alarm data of a certain inverter (GET) 15
	4.3.7	Inverter parameter setting (POST)
	4.3.8	Access to the latest real-time data inverter (GET)
	4.3.9	Batch access to the latest real-time data inverter (POST)

4.3.10	Check whether the SN format of the collector meets the requirements and	
check co	ode is correct (POST)	. 23
4.3.11	Access to a storage energy of the alarm data (POST)	. 23
4.3.12	Energy storage machine parameter setting (POST)	. 24
4.3.13	Access to the latest energy storage machine real-time data (POST)	. 25
4.3.14	Obtain historical data of an energy storage machine (POST)	. 28
4.3.15	Get the inverter basic information	. 32

2 Fixed parameters

Test the token used: 6eb6f069523055a339d71e5b1f6c88cc

Need token authentication please contact Growatt New Energy Co. to obtain the only token

3 Address header:

http://test.growatt.com/v1/

4 Interface example

4.1 User

4.1.1 User registration (POST mode)

```
Interface address:
```

```
The interface requires parameters:
user_name: "qtuser3"
user_password: "123456"
user_email: "770988255@qq.com"
user_tel: "13525653256"
user_country: "China"
user_type:1
Examples:
```

http://test.growatt.com/v1/user/user_register

```
{
    "data": {
        "c_user_id":12
    },
    "error_code": 0,
    "error_msg": ""
```

4.1.2 Verify that the user name is unique (POST)

```
Interface address:
  http://test.growatt.com/v1/user/check_user
  The interface requires parameters:
  user_name:"admin"
        Examples:
               "data": {
               "error_code": 0,
               "error_msg": ""
4.1.3 User update (POST)
    Interface address:
    http://test.growatt.com/v1/user/modify
    The interface requires parameters:
    c user id:3
    mobile:"13525653256"
        Examples:
               "data": {
               "error_code": 0,
               "error_msg": ""
4.1.4 Get the list of end users for the business (GET mode)
  Interface address:
  http://test.growatt.com/v1/user/c_user_list
  The interface requires parameters:
  page:1
  perpage:10
        Examples:
               "data": {
                "count": 4,
                 "c_user": [
```

```
"c_user_email": "770988255@qq.com",
          "c_user_id": "8",
          "c_user_name": "tt",
          "c_user_regtime": "2016-02-25",
          "c_user_tel": "13875214562"
"error_code": 0,
"error_msg": ""
```

4.2 Power station

4.2.1 Obtain a list of all users' power stations (GET mode)

```
Interface address:
http://test.growatt.com/v1/plant/list
The interface requires parameters:
C_user_id:1
search_type:"PlantName"
search_keyword:"test"
page:1
perpage:10
      Examples:
              "data": {
                "count": 1,
                "plants": [
                      "plant_id": 1,
                     "name": "Name of Plant1",
                    "user_id": 1,
              "error_code": 0,
             "error_msg": ""
```

4.2.2 Update the power station (POST)

```
Interface address:
  http://test.growatt.com/v1/plant/modify
  The interface requires parameters:
  c_user_id:141
  plant_id:2
  name:"qtPlantName1"
  peak_power:300
  longitude:"120"
  latitude:"30"
  timezone_id:8
  currency:"RMB"
        Examples:
               "data": {
               "error_code": 0,
               "error_msg": ""
4.2.3 Delete the power station (POST)
  Interface address:
  http://test.growatt.com/v1/plant/delete
  The interface requires parameters:
  plant_id:2
        Examples:
               "data": {
              "error_code": 0,
               "error_msg": ""
4.2.4 Get the basic information of a power plant (GET)
  Interface address:
  http://test.growatt.com/v1/plant/details
  The interface requires parameters:
  plant_id:2
```

```
Examples:
```

4.2.5 Obtain an overview of the data for a plant (GET mode)

```
Interface address:
```

```
http://test.growatt.com/v1/plant/data
```

The interface requires parameters:

```
plant_id:2
```

```
{
    "data": {
        "peak_power": 341.42,
        "efficiency": 4.52,
        "current_power": 17.42,
        "today_energy": 44.12,
```

```
},
"error_code": 0,
"error_msg": ""
```

4.2.6 Obtain the historical power generation of a power plant (GET)

```
Interface address:
http://test.growatt.com/v1/plant/energy
The interface requires parameters:
plant_id:2
start_date:"2015-05-03"
end_date: "2015-05-06"
time_unit:year
page:1
perpage:10
       Examples:
               "data": {
                 "count": 3,
                  "time_unit": "day",
                  "energys": [
                      "date": "2015-11-01",
                      "energy": 323.12
                      "date": "2015-11-02",
                      "energy": 57.14
                      "date": "2015-11-03",
                      "energy": 612.52
               "error_code": 0,
               "error_msg": ""
```

4.2.7 To obtain a power plant a day of power data (GET)

Interface address:

```
http://test.growatt.com/v1/plant/power
  The interface requires parameters:
  plant_id:2
  date: "2015-05-03"
  timezone_id:8
        Examples:
                "data": {
                  "powers": [
                      "time": "2015-11-01T00:00:00Z",
                      "power": 323.12
                      "time": "2015-11-01T00:05:00Z",
                      "power": 57.14
                      "time": "2015-11-01T00:10:00Z",
                     "power": 612.52
               "error_code": 0,
                "error_msg": ""
4.2.8 Add the power plant (POST)
  Interface address:
  http://test.growatt.com/v1/plant/add
  The interface requires parameters:
  c_user_id:141
  name:"qtPlantName1"
  peak_power:300
  currency:"RMB"
  longitude:"120"
  latitude: "30"
  timezone_id:8
```

```
"data": {
 "plant_id":8
"error_code": 0,
"error_msg": ""
```

```
4.2.9 Get a list of plants under a user (POST mode)
  Interface address:
  http://test.growatt.com/v1/plant/user_plant_list
  The interface requires parameters:
  user_name:"user1"
  page:1
  perpage:10
         Examples:
                "data": {
                  "count": 1,
                  "plants": [
                        "plant_id": 1,
                       "name": "Name of Plant 1",
                       "user_id": 1,
                "error_code": 0,
                "error_msg": ""
```

4.3 Equipment

4.3.1 Obtain a list of collectors for a plant (GET)

```
Interface address:
```

```
http://test.growatt.com/v1/device/datalogger/list
The interface requires parameters:
plant_id:2
page:1
perpage:10
```

Examples:

4.3.2 Add a collector (POST)

```
Interface address:
```

```
http://test.growatt.com/v1/device/datalogger/add
```

The interface requires parameters:

4.3.3 Delete a collector (POST)

Interface address:

```
http://test.growatt.com/v1/device/datalogger/delete
  The interface requires parameters:
  plant_id:2
  sn:"AH13140005"
          Examples:
                 "error_code": 0,
                 "error_msg": ""
4.3.4 Obtain a list of devices for a plant (GET)
  Interface address:
  http://test.growatt.com/v1/device/list
  The interface requires parameters:
  plant_id:2
  page:1
  perpage:10
          Examples:
                  "data": {
                    "count": 2,
                    "devices": [
                         "device_id": 100010001,
                         "datalogger_sn": "601000000",
                         "device_sn": "YINGZHENTEST001",
                         "type": 1,
               "manufacturer ":"igen",
               "model": "",
                        "Last_update_time": "2015-12-08T11:00:00Z"
                         "device_id": 100010002,
                         "datalogger_sn": "401000000",
```

"device_sn": "YINGZHENTEST002",

"Last_update_time": "2015-12-01T12:00:00Z"

"manufacturer ":"igen",

"model": "",

```
"error_code": 0,
"error_msg": ""
```

4.3.5 Obtains the historical data of an inverter (GET)

```
Interface address:
http://test.growatt.com/v1/device/inverter/data
The interface requires parameters:
device_sn:"INV035C003"
start_date:"2015-05-05"
end_date:"2015-05-06"
page:1
perpage:10
timezone_id:8
        Examples:
              "data": {
                   "datalogger_sn": "401000001",
                   "sn": "YINGZHEN1",
                   "next_page_start_id": "1000101_12313",
                   "datas": [
              "ipv1": 0.2,
                        "ipv2": 0.1,
                         "ipv3": 0.1,
                         "vpv1": 481.2,
                         "vpv2": 481.2,
                         "vpv3": 481.2,
                         "iac1": 1.8,
                         "iac2": 1.8,
                         "iac3": 1.8,
                         "vac1": 238.2,
                         "vac2": 238.2,
                         "vac3": 238.2,
                         "power": 185,
                         "today_energy": 24.2,
                         "total_energy": 157.54,
                         "temperature": 45.8,
```

"fac": 50.04,

```
"power_factor": 0.6,
              "time": "2015-12-08T11:00:00Z"
"ipv1": 0.2,
             "ipv2": 0.1,
              "ipv3": 0.1,
              "vpv1": 481.2,
              "vpv2": 481.2,
              "vpv3": 481.2,
              "iac1": 1.8,
              "iac2": 1.8,
              "iac3": 1.8,
              "vac1": 238.2,
              "vac2": 238.2,
              "vac3": 238.2,
              "power": 185,
              "today_energy": 24.2,
              "total_energy": 157.54,
              "temperature": 45.8,
              "fac": 50.04,
              "power_factor": 0.6,
              "time": "2015-12-08T11:05:00Z"
   "error_code": 0,
   "error_msg": ""
```

4.3.6 Obtains the alarm data of a certain inverter (GET)

```
Interface address:
```

"count": "102",

4.3.7 Inverter parameter setting (POST)

```
Interface address:
http://test.growatt.com/v1/inverterSet
The interface requires parameters:
```

{
 "data": {
 "": ""
 },
 "error_code": "0",
 "error_msg": ""

4.3.8 Access to the latest real-time data inverter (GET)

Interface address:

```
http://test.growatt.com/v1/device/inverter/last_new_data
The interface requires parameters:
```

```
device_sn:"INV3140005"
Examples:
```

"dataloggerSn": "AH13140003",

```
"device_sn": "2033022963",
"data": {
   "powerToday": 883.799987792969,
   "realOPPercent": 0,
   "eRacTotal": 0,
   "epv1Total": 0,
   "wStringStatusValue": 0,
   "vPidPvape": 0,
   "warningValue1": 0,
   "warningValue2": 0,
   "temperature": 52.5999984741211,
   "bigDevice": false,
   "warnCode": 0,
   "time": "2016-06-16 19:24:46",
   "iPidPvbpe": 0,
   "inverterId": "2033022963",
   "epv2Total": 0,
   "timeCalendar": {
      "minimalDaysInFirstWeek": 1,
      "weekYear": 2016,
      "time": {
          "time": 1466076286000,
          "minutes": 24,
          "seconds": 46,
          "hours": 19,
          "month": 5,
          "year": 116,
          "timezoneOffset": -480,
          "day": 4,
          "date": 16
       "weeksInWeekYear": 53,
       "gregorianChange": {
          "time": -12219292800000,
          "minutes": 0,
          "seconds": 0,
          "hours": 8,
          "month": 9,
          "year": -318,
          "timezoneOffset": -480,
          "day": 5,
```

```
"date": 15
   "timeZone": {
      "lastRuleInstance": null,
      "rawOffset": 28800000,
      "DSTSavings": 0,
       "dirty": false,
      "ID": "Asia/Shanghai",
       "displayName": "China Standard Time "
   "timeInMillis": 1466076286000,
   "lenient": true,
   "firstDayOfWeek": 1,
   "weekDateSupported": true
"pBusVoltage": 358.899993896484,
"currentString5": 0,
"strFault": 0,
"currentString4": 0,
"currentString3": 0,
"currentString2": 0,
"currentString8": 0,
"status": 1,
"currentString7": 0,
"currentString6": 0,
"nBusVoltage": 0,
"again": false,
"currentString1": 0,
"ipmTemperature": 0,
"ppv": 2922.69995117188,
"pacs": 0,
"pacr": 2835.10009765625,
"pf": -1,
"pact": 0,
"vpv1": 244,
"iPidPvape": 0,
"vpv2": 0,
"fac": 50.0099983215332,
"vPidPvbpe": 0,
"powerTotal": 46287.5,
"epv2Today": 0,
```

```
"ipv2": 0,
   "ipv1": 11.6999998092651,
   "statusText": "Normal",
   "timeTotal": 16706.5566666667,
   "epv1Today": 0,
   "id": 575,
   "timeTotalText": "16706.6",
   "dwStringWarningValue1": 0,
   "epvTotal": 0,
   "pac": 2835.10009765625,
   "vact": 0,
   "vacr": 229.600006103516,
   "vacs": 0,
   "vString1": 0,
   "vString2": 0,
   "vString3": 0,
   "vString4": 0,
   "faultType": 0,
   "vString5": 0,
   "vString6": 0,
   "vString8": 0,
   "iacs": 0,
   "opFullwatt": 0,
   "pidStatus": 0,
   "vString7": 0,
   "iact": 0,
   "eRacToday": 0,
   "wPIDFaultValue": 0,
   "ppv2": 0,
   "ppv1": 2922.69995117188,
   "iacr": 12.1000003814697,
   "rac": 0
"error_code": 0,
"error_msg": ""
```

4.3.9 Batch access to the latest real-time data inverter (POST)

Interface address:

http://test.growatt.com/v1/device/inverter/invs_data

The interface requires parameters:

pageNum:1

inverters:["2033022963","TL15300005"] array type

```
"inverters": [
   "2033022963",
   "a65d4f6sd4",
   "2033022917",
   "6767676767",
   "TL15300005",
   "TL15300005"
"data": {
   "2033022963": {
      "dataloggerSn": "AH13140003",
      "2033022963": {
          "powerToday": 883.799987792969,
          "realOPPercent": 0,
          "eRacTotal": 0,
          "epv1Total": 0,
          "wStringStatusValue": 0,
          "vPidPvape": 0,
          "warningValue1": 0,
          "warningValue2": 0,
          "temperature": 52.5999984741211,
          "bigDevice": false,
          "warnCode": 0,
          "time": "2016-06-16 19:24:46",
          "iPidPvbpe": 0,
          "inverterId": "2033022963",
          "epv2Total": 0,
          "timeCalendar": {
              "minimalDaysInFirstWeek": 1,
              "weekYear": 2016,
              "time": {
                 "time": 1466076286000,
                 "minutes": 24,
                 "seconds": 46,
                 "hours": 19,
                 "month": 5,
                 "year": 116,
```

```
"day": 4,
       "date": 16
   "weeksInWeekYear": 53,
   "gregorianChange": {
      "time": -12219292800000,
      "minutes": 0,
      "seconds": 0,
      "hours": 8,
      "month": 9,
      "year": -318,
      "timezoneOffset": -480,
      "day": 5,
       "date": 15
   "timeZone": {
      "lastRuleInstance": null,
      "rawOffset": 28800000,
      "DSTSavings": 0,
      "dirty": false,
      "ID": "Asia/Shanghai",
       "displayName": "China Standard Time"
   "timeInMillis": 1466076286000,
   "lenient": true,
   "firstDayOfWeek": 1,
   "weekDateSupported": true
"pBusVoltage": 358.899993896484,
"currentString5": 0,
"strFault": 0,
"currentString4": 0,
"currentString3": 0,
"currentString2": 0,
"currentString8": 0,
"status": 1,
"currentString7": 0,
"currentString6": 0,
"nBusVoltage": 0,
"again": false,
```

"timezoneOffset": -480,

```
"currentString1": 0,
"ipmTemperature": 0,
"ppv": 2922.69995117188,
"pacs": 0,
"pacr": 2835.10009765625,
"pf": -1,
"pact": 0,
"vpv1": 244,
"iPidPvape": 0,
"vpv2": 0,
"fac": 50.0099983215332,
"vPidPvbpe": 0,
"powerTotal": 46287.5,
"epv2Today": 0,
"ipv2": 0,
"ipv1": 11.6999998092651,
"statusText": "Normal",
"timeTotal": 16706.5566666667,
"epv1Today": 0,
"id": 575,
"timeTotalText": "16706.6",
"dwStringWarningValue1": 0,
"epvTotal": 0,
"pac": 2835.10009765625,
"vact": 0,
"vacr": 229.600006103516,
"vacs": 0,
"vString1": 0,
"vString2": 0,
"vString3": 0,
"vString4": 0,
"faultType": 0,
"vString5": 0,
"vString6": 0,
"vString8": 0,
"iacs": 0,
"opFullwatt": 0,
"pidStatus": 0,
"vString7": 0,
"iact": 0,
```

"eRacToday": 0,

```
"wPIDFaultValue": 0,
           "ppv2": 0,
           "ppv1": 2922.69995117188,
           "iacr": 12.1000003814697,
           "rac": 0
"error_code": 0,
"error_msg": ""
```

4.3.10 Check whether the SN format of the collector meets the requirements and check code is correct (POST)

```
Interface address:
http://test.growatt.com/v1/device/datalogger/validate
The interface requires parameters:
datalogSn: "AH13140005"
valiCode: "45117"
     Examples:
               "dataloggerSn": "AH13140005",
               "valiCode": "45117",
               "data": {
                  "plant_id": 107,
                 "user_id": 105,
                  "datalogger_sn": "4KZ262840D"
               "error_code": 10003,
               "error_msg": "error_snIsExist"
```

4.3.11 Access to a storage energy of the alarm data (POST)

```
http://test.growatt.com/v1/device/storage/alarm_data
The interface requires parameters:
```

```
storage_sn:"Y87035C003"
date: "2016-01-25"
page:1
perpage:10
```

Interface address:

Examples:

```
"data": {
      "count": 26,
       "storage_sn": "I435100018",
       "alarms": [
              "alarm_code": 201,
              "end_time": "2016-04-28 18:41:40.0",
              "start_time": "2016-04-28 18:41:40.0",
              "alarm_message": "Firmware version mismatch(when: Firmware version mismatch; suggestion: Update FW with right
version)"
             "alarm_code": 0,
             "status": 1,
              "end_time": "2016-04-28 18:41:40.0",
              "start_time": "2016-04-28 18:41:40.0",
             "alarm_message": "undown error"
   "error_code": 0,
   "error_msg": ""
```

4.3.12 Energy storage machine parameter setting (POST)

```
Interface address:
```

```
http://test.growatt.com/v1/storageSet
The interface requires parameters:
storage_sn:"Y873140005"
paramId:"storage_cmd_on_off"
param1:"0000"
param2:""
param3:""
param4:""
Examples:
```

4.3.13 Access to the latest energy storage machine real-time data (POST)

Interface address:

http://test.growatt.com/v1/device/storage/storage_last_data
The interface requires parameters:

storage_sn:"Y873140005"

```
"device_sn": "I435100018",
"dataloggerSn": "YU34130371",
   "vBuckText": "379.1 V",
   "gaugeRM1": 0,
   "gaugeRM2": 0,
   "eDischargeToday": 0.2,
   "ерvToday": 0,
   "temperature": 31.7000007629395,
   "errorText": "Unknown",
   "eDischargeTotal2": 0,
   "time": "2015-03-16 18:15:13",
   "eChargeToday2": 0,
   "pCharge2": 0,
   "gaugePackStatus": 0,
   "pDischarge": 595.2,
   "bmsCurrent": 0,
   "cycleCount": 0,
   "maxChargeOrDischargeCurrent": 0,
   "pDischarge2": 0,
   "chargeToStandbyReason": 0,
   "again": false,
   "ipmTemperature": 32.5,
   "iacToUserText": "1.5 A",
   "iacToGrid": 0,
   "pacToUserText": "8.9 W",
```

```
"vpv2": 0,
"eChargeToday": 0,
"remoteCntlEn": 0,
"eDischargeTodayText": "0.2 kWh",
"eToUserToday": 0,
"vpvText": "1.4 V",
"gaugeBattteryStatus": 0,
"normalPower": 0,
"iDischarge": 1.70000004768372,
"pacToUser": 8.9,
"deviceType": 0,
"eDischargeTotal": 8.3,
"capacity": 82,
"ipvText": "0.1 A",
"epvTotal": 12.5,
"bmsError": 0,
"dataLogSn": "",
"dischargeToStandbyReason": 0,
"pacToGrid": 0,
"remoteCntlFailReason": 0,
"eChargeTotal2": 0,
"batTemp": 0,
"eChargeTodayText": "0.0 kWh",
"iacToUser": 1.5,
"bmsStatus": 0,
"iChargeText": "0.0 A",
"pCharge": 0,
"pDischargeText": "595.2 W",
"errorCode": 0,
"vacText": "228.4 V",
"eChargeTotal": 0,
"eToGridTotal": 0,
"ipv": 0.100000001490116,
"vBus": 0,
"bmsTemperature": 0,
"eToUserTotal": 0,
"warnCode": 0,
"iDischargeText": "1.7 A",
"vBatText": "56.0 V",
"dischargeToStandbyReasonText": "Unknown",
"eDischargeTotalText": "8.3 kWh",
```

```
"gaugeOperationStatus": 0,
"ерvТоdау2": 0,
"serialNum": "I435100018",
"vBuck2": 0,
"pacToGridText": "0.0 W",
"status": 2,
"storageBean": null,
"epvTotal2": 0,
"pChargeText": "0.0 W",
"eDischargeToday2": 0,
"chargeToStandbyReasonText": "Unknown",
"faultCode": 0,
"day": "",
"gaugeICCurrent": 0,
"lost": true,
"statusText": "Discharge",
"eChargeTotalText": "0.0 kWh",
"warnText": "Unknown",
"vBat": 56,
"withTime": false,
"ppvText": "0.1 W",
"iCharge": 0,
"calendar": {
   "minimalDaysInFirstWeek": 1,
   "weekYear": 2015,
   "time": {
      "time": 1426500913000,
       "minutes": 15,
      "seconds": 13,
       "hours": 18,
       "month": 2,
       "year": 115,
       "timezoneOffset": -480,
       "day": 1,
       "date": 16
   "weeksInWeekYear": 52,
   "gregorianChange": {
      "time": -12219292800000,
       "minutes": 0,
       "seconds": 0,
```

```
"hours": 8,
          "month": 9,
          "year": -318,
          "timezoneOffset": -480,
          "day": 5,
          "date": 15
       "timeZone": {
         "LastRuleInstance": null,
          "rawOffset": 28800000,
          "DSTSavings": 0,
          "dirty": false,
          "ID": "Asia/Shanghai",
          "displayName": "中国标准时间"
      "timeInMillis": 1426500913000,
      "lenient": true,
      "firstDayOfWeek": 1,
       "weekDateSupported": true
   "iacToGridText": "0.0 A",
   "alias": "",
   "vBuck": 379.100006103516,
   "eToGridToday": 0,
   "capacityText": "82 %",
   "address": 0,
   "vac": 228.399993896484,
   "ppv2": 0,
   "vpv": 1.39999997615814
"error_code": 0,
"error_msg": ""
```

4.3.14 Obtain historical data of an energy storage machine (POST)

Interface address:

```
http://test.growatt.com/v1/device/storage/storage_data
```

The interface requires parameters:

```
storage_sn:"Y873140005"
start_date:"2015-05-05"
end_date:"2015-05-06"
```

page:1 perpage:10

timezone_id:8

```
"data": {
   "datas": [
           "eChargeTotal": 0,
           "eToGridTotal": 0,
           "vBuckText": "377.3 V",
           "gaugeRM1": 0,
           "vBus": 0,
           "ipv": 0.100000001490116,
           "bmsTemperature": 0,
           "gaugeRM2": 0,
           "eDischargeToday": 1.2,
           "eToUserTotal": 0,
           "epvToday": 0,
           "temperature": 35.7000007629395,
           "errorText": "Unknown",
           "warnCode": 0,
           "eDischargeTotal2": 0,
           "time": "2015-03-16 19:56:09",
           "iDischargeText": "1.7 A",
           "vBatText": "56.0 V",
           "dischargeToStandbyReasonText": "Unknown",
           "eDischargeTotalText": "9.3 kWh",
           "eChargeToday2": 0,
           "pCharge2": 0,
           "epvToday2": 0,
           "gaugeOperationStatus": 0,
           "gaugePackStatus": 0,
           "serialNum": "I435100018",
           "pDischarge": 591.9,
           "vBuck2": 0,
           "bmsCurrent": 0,
           "pacToGridText": "0.0 W",
           "cycleCount": 0,
           "pDischarge2": 0,
```

```
"maxChargeOrDischargeCurrent": 0,
"storageBean": null,
"again": false,
"chargeToStandbyReason": 0,
"ipmTemperature": 37.2000007629395,
"ppv": 0.1,
"iacToUserText": "1.5 A",
"iacToGrid": 0,
"pChargeText": "0.0 W",
"epvTotal2": 0,
"eDischargeToday2": 0,
"pacToUserText": "12.6 W",
"vpv2": 0,
"chargeToStandbyReasonText": "Unknown",
"eChargeToday": 0,
"remoteCntlEn": 0,
"day": "",
"faultCode": 0,
"gaugeICCurrent": 0,
"lost": true,
"eDischargeTodayText": "1.2 kWh",
"eToUserToday": 0,
"statusText": "Discharge",
"vpvText": "1.6 V",
"eChargeTotalText": "0.0 kWh",
"gaugeBattteryStatus": 0,
"normalPower": 0,
"warnText": "Unknown",
"vBat": 56,
"iDischarge": 1.70000004768372,
"pacToUser": 12.6,
"deviceType": 0,
"eDischargeTotal": 9.3,
"capacity": 82,
"ppvText": "0.1 W",
"withTime": false,
"ipvText": "0.1 A",
"epvTotal": 12.5,
"bmsError": 0,
"dataLogSn": "",
"iCharge": 0,
```

```
"calendar": {
   "minimalDaysInFirstWeek": 1,
   "time": {
      "time": 1426506969000,
      "minutes": 56,
      "seconds": 9,
      "hours": 19,
      "month": 2,
      "timezoneOffset": -480,
      "year": 115,
      "day": 1,
       "date": 16
   "weekYear": 2015,
   "weeksInWeekYear": 52,
   "gregorianChange": {
      "time": -12219292800000,
      "minutes": 0,
      "seconds": 0,
      "hours": 8,
      "month": 9,
      "timezoneOffset": -480,
      "year": -318,
      "day": 5,
       "date": 15
   "timeZone": {
      "lastRuleInstance": null,
      "DSTSavings": 0,
      "rawOffset": 28800000,
      "ID": "Asia/Shanghai",
      "dirty": false,
      "displayName": "中国标准时间"
   "lenient": true,
   "timeInMillis": 1426506969000,
   "firstDayOfWeek": 1,
   "weekDateSupported": true
"dischargeToStandbyReason": 0,
"pacToGrid": 0,
```

```
"remoteCntlFailReason": 0,
           "iacToGridText": "0.0 A",
           "alias": "",
           "eChargeTotal2": 0,
           "batTemp": 0,
           "eChargeTodayText": "0.0 kWh",
           "iacToUser": 1.5,
           "bmsStatus": 0,
           "iChargeText": "0.0 A",
           "vBuck": 377.299987792969,
           "eToGridToday": 0,
           "pCharge": 0,
           "pDischargeText": "591.9 W",
           "address": 0,
           "capacityText": "82 %",
           "vacText": "229.4 V",
           "errorCode": 0,
           "vac": 229.399993896484,
           "ppv2": 0,
           "vpv": 1.60000002384186
   "next_page_start_id": 3,
   "count": 967,
   "storage_sn": "I435100018",
   "datalogger_sn": "YU34130371"
"error_code": 0,
"error_msg": ""
```

4.3.15 Get the inverter basic information

Interface address:

http://domain/v1/device/inverter/inv_data_info

The interface requires parameters:

device_sn:"2033022963"

```
{
   "device_sn": "2033022963",
   "dataLoggerSn": "GT25290025",
   "data": {
```

```
"model": 33079,
"fwVersion": "G.2.0",
"treeName": "杨帆",
"Lost": true,
"location": "null",
"updateExist": false,
"treeID": "2033022963",
"powerMaxTime": "",
"LastUpdateTime": {
   "time": 1466076277000,
   "minutes": 24,
   "seconds": 37,
   "hours": 19,
   "month": 5,
   "year": 116,
   "timezoneOffset": -480,
   "day": 4,
   "date": 16
"children": [],
"statusText": "inverter.status.lost",
"inverterInfoStatusCss": "vsts_table_ash",
"energyMonthText": "0",
"nominalPower": 2870,
"bigDevice": false,
"id": 643,
"groupID": 0,
"Level": 4,
"imgPath": "./css/img/status_gray.gif",
"energyDay": 0,
"power": 0,
"serialNum": "2033022963",
"dataLogSn": "GT25290025",
"createDate": null,
"innerVersion": "0G240000",
"energyMonth": 0,
"powerMax": "",
"modelText": "A0B0D0T0P8U1M3S7",
"energyDayMap": {},
"status": -1,
"eToday": 0,
```

```
"alias": "杨帆",
"powerMaxText": "",
"eTotal": 0,
"LoadText": "0%",
"tcpServerIp": "",
"userID": 0,
"LastUpdateTimeText": "2016-06-16 19:24:37",
"rfStick": null,
"parentID": "LIST_GT25290025_0",
"address": 2
},
"error_code": 0,
"error_msg": ""
```