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Interface error is returned in status code

|  |  |
| --- | --- |
| Status | Description |
| 1000 | Please Input username |
| 1001 | Please Input password |
| 1011 | Please Input OpenID |
| 1001 | Account password does not match |
| 1003 | Account does not exist |
| 1004 | Your actions are too frequent |
| 1005 | Account is not bound to mailbox |
| 1006 | please enter user name |
| 1007 | Email is sent too frequently |
| 1100 | please input your email |
| 1101 | please enter verification code |
| 1102 | Account with the same name already exists |
| 1103 | Please send the verification code first |
| 1104 | Verification code has expired |
| 1105 | incorrect verification code |
| 1200 | Please enter the plant name |
| 1201 | Please select a country |
| 1202 | Please select province |
| 1203 | Please choose the city |
| 1204 | Please enter the street |
| 1205 | Please select time zone |
| 1206 | Please enter the installed capacity |
| 1207 | Please enter electricity price |
| 1208 | Please select currency unit |
| 1209 | Please enter SN |
| 1210 | The power station with the same name already exists |
| 1211 | SN has not been imported into the database |
| 1212 | SN has been registered |
| 1300 | Please enter the serial number of the collector |
| 1301 | Please select equipment |
| 1302 | Device already exists |
| 9000 | The incoming parameter is empty |
| 9001 | Incoming parameter error |
| 9002 | Item not found |
| 9003 | You do not have this permission |
| 9004 | OpenID is empty |
| 9005 | User information is illegal |

### 1.1 Account login

Request address /api/account/GetToken

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Cultrue | String | “en-us” or “zh-cn” |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| username | String |  |
| pwd | string |  |
| Openid | String | View user information identification code |

Correct return example{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {

        "Role": "4",

        "Token": "",

        "OpenId": "",

        "StationCount": 1

    }

}

Error return example

{

    "Status": "1003",

    "Message": "账号不存在",

    "TotalCount": 0,

    "Data": {}

}

Note: Refer to this example for the return parameter format of the return interface later, and will not be explained later

### 1.2 account registration

Request address /api/account/Register

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
|  |  |  |

account registration：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| username | String |  |
| pwd | string | password |
| valCode | String | It’s useless at the moment, you don’t need to fill in the actual parameters, and the empty string needs to be filled in |

Correct return example

{

    "Status": "0",

    "Data": {}

}

### 2.1 Get time zone list

Request address： /api/ Station / GetTimeZoneList

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Culture | String | “en-us” or “zh-cn” |
| OpenID | String | View user information identification code |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": [

        {

            "Key": "(GMT-12: 00) International Date Line West",

            "Val": "1"

        },

        {

            "Key": "(GMT-11: 00) Samoa",

            "Val": "2"

        },

       …

    ]

}

### 2.2 Get currency list

Request address： /api/ Station / GetCurrencyList

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| OpenID | String |  |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": [

        {

            "Key": "AUD($)",

            "Val": "AUD"

        },

        {

            "Key": "BRL(R$)",

            "Val": "BRL"

        },

        …….]

}

### 2.3 Get country list

Request address: /api/ Station / GetCountrys

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Culture | String |  |
| OpenID | String |  |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": [

       {

            "Key": "Afghanistan",

            "Val": "1"

        },

        {

            "Key": "Albania",

            "Val": "2"

        }, …….]

}

### 2.4 Get a list of provinces according to the country

Request address: /api/ Station / GetCountrys

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Culture | String |  |
| OpenID | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| id | String |  |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": [

       {

            "Key": "Concepcion",

            "Val": "12543"

        },

        {

            "Key": "Los Angeles",

            "Val": "12552"

        },

        {

            "Key": "Talcahuano",

            "Val": "12569"

        }

 …….]

}

### 2.5 Create power station

Request address /api/ Station / CreateStation

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Culture | String |  |
| OpenID | String |  |
| Token | string |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| sns | List<string> |  |
| stationName | String |  |
| Capacity | String |  |
| Price | String |  |
| Currency | String |  |
| Timezone | String |  |
| Countryid | String |  |
| Provinceid | String |  |
| City | String |  |
| Address | String |  |
| Lat | String | latitude |
| Lng | String | longitude |
| StationImg | String |  |
| Installer | String | Installer |
| tell | String |  |
| isPublic | String | Whether it is a public power station, no need to fill in by default |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data":

       { },

}

### 2.6 Delete power station

Request address /api/ Station / DeleteStation

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| id | String | StationID |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data":{}

}

### 2.7 Obtain and edit plant information

Request address /api/ Station / GetStationInfoForEdit

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String | The verification code returned after the user logs in |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Id | String |  |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {

        "StationID": "1275",

        "StationName": "Sjonnie abattie sola",

        "Capacity": 2.0,

        "Price": 0.24,

        "Currency": "EUR",

        "TimeZone": 3.0,

        "CountryID": 145,

        "ProvinceID": 1588,

        "City": "90000",

        "Street": **null**,

        "Lat": "53.0430181",

        "Lng": "6.6980796",

        "CreateTime": "02/07/2016 01:47:41",

        "IsPublic": "0",

        "Installer": **null**,

        "InsTel": **null**,

        "Remark": **null**,

        "PWImg": "http://211.149.170.60:8101/img/stations/Default.jpg",

        "CurrencyMark": "€",

        "CountryVal": "Netherlands",

        "ProvinceVal": "Drenthe",

        "TimeZoneCode": -1,

        "TimeFullInfo": **null**

    }

}

### 2.8 Obtain plant information

Request address /api/ Station / GetStationInfoForEdit

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String | The verification code returned after the user logs in |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Id | String | StationID |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {

        "StationID": "1275",

        "StationName": "Sjonnie abattie sola",

        "Capacity": 2.0,

        "Price": 0.24,

        "Currency": "EUR",

        "TimeZone": 3.0,

        "CountryID": 145,

        "ProvinceID": 1588,

        "City": "90000",

        "Street": **null**,

        "Lat": "53.0430181",

        "Lng": "6.6980796",

        "CreateTime": "02/07/2016 01:47:41",

        "IsPublic": "0",

        "Installer": **null**,

        "InsTel": **null**,

        "Remark": **null**,

        "PWImg": "http://211.149.170.60:8101/img/stations/Default.jpg",

        "CurrencyMark": "€",

        "CountryVal": "Netherlands",

        "ProvinceVal": "Drenthe",

        "TimeZoneCode": -1,

        "TimeFullInfo": **null**

    }

}

### 2.9 Edit plant information

Request address /api/ Station / EditStation

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String | The verification code returned after the user logs in |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Id | String |  |
| Capacity | String |  |
| Price | String |  |
| Currency | String |  |
| Timezone | String |  |
| Countryid | String |  |
| Provinceid | String |  |
| City | String |  |
| Address | String |  |
| Lat | String | latitude |
| Lng | String | longitude |
| StationImg | String |  |
| Installer | String |  |
| tell | String |  |
| isPublic | String |  |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {}

}

### 2.10 Add collector

Request address /api/ Station / AddGateway

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| StationID | String |  |
| GatewaySN | String | Collector serial number |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {}

}

### 2.10 DeleteGateway

Request address /api/ Station / DeleteGateway

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| StationID | String |  |
| GatewaySN | String |  |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {}

}

### 2.11 Get an overview of the end user (power plant)

Request address /api/ Station / GetTerminalOverview

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Id | String | StationID |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

"Data": {

 "EToday": 0.0,

        "ETotal": 378.59,

        "Power": 0.0,

        "EMonth": 0.45,

        "EYear": 216.01,

        "SavedCO2": 0.38,

        "SavedTrees": 1.03,

        "Capacity": 0.3

}

}

### 2.12 List of collectors and inverters

Request address /api/ Station / GetDeviceOverview

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| stationID | String | StationID |
| userId | String |  |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

"Data": [

        {

            "GatewayID": "1B0FCCBA3B2E4384A1AF2EAB8E554A3A",

            "GateWaySn": "90017268",

            "GatwayAlias": "90017268",

            "Communicationtype": "EnverBridge",

            "InvertorCount": 1,

            "Inverters": [

                {

                    "InverterID": "D85487E2298B45CC87FB087F28A9FA15",

                    "InverterSN": "11200845",

                    "InvAlias": "11200845",

                    "Power": 0.0,

                    "DAYENERGY": 0.0,

                    "UpdateTime": "2020-12-06T17:11:25",

                    "StrUpdateTime": "06/12/2020 17:11:25"

                }

            ]

        }

    ]

}

### 2.13 Set inverter alias

Request address /api/ Station / SetInverterAlias

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Id | String | Inverter serial number |
| alias | String | Inverter alias |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

"Data": {}

}

### 2.14 Single plant overview details

Request address /api/ Station / Devices

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Id | String | StationID |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

"Data": {

"Power": 0.0,

        "Income": "€94.65",

        "EToday": 0.0,

        "ETotal": 378.59,

        "SiteTime": "06/12/2020",

        "Bridges": [

            {

                "GatewaySN": "90017268",

                "GatewayAlias": "90017268",

                "Inverters": [

                    {

                        "InvAlias": "11200845",

                        "SN": "11200845",

                        "Power": 0.0,

                        "Status": 1,

                        "DAYENERGY": 0.09

                    }

                ]

            }

        ]

}

}

### 2.15 Component power

Request address /api/ Station / GetInverterPowersAndList

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| stationID | String |  |
| sn | String |  |
| dateTime | string |  |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {

        "Inverters": [

            {

                "InvAlias": "11200845",

                "SN": "11200845",

                "Power": 0.0,

                "Status": 0,

                "DAYENERGY": 0.0

            }

        ],

        "Powers": [

            {

                "SiteTime": "2020-12-06T10:39:39",

                "StrSiteTime": "06/12/2020 10:39:39",

                "Power": 0.0

            },

            {

                "SiteTime": "2020-12-06T10:41:10",

                "StrSiteTime": "06/12/2020 10:41:10",

                "Power": 0.0

            },

            {

                "SiteTime": "2020-12-06T10:42:41",

                "StrSiteTime": "06/12/2020 10:42:41",

                "Power": 0.0

            }

            …….

        ],

        "SNAlias": "11200845"

    }

}

### 2.16 Alarm list

Request address /api/ Station / GetAlarms

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| stationID | String |  |
| dateTime | string |  |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {

        {

            "SNAlias": "11200845",

            "CreateTime": "2020-04-05T15:37:21",

            "UpdateTime": "2020-04-05T15:37:21",

            "StrCreateTime": "05/04/2020 15:37:21",

            "StrUpdateTime": "05/04/2020 15:37:21",

            "MGMErr": "",

            "MGSErr": "Grid over voltage",

            "Flag": "0"

        },

        {

            "SNAlias": "11200845",

            "CreateTime": "2020-03-26T10:24:00",

            "UpdateTime": "2020-03-26T10:24:00",

            "StrCreateTime": "26/03/2020 10:24:00",

            "StrUpdateTime": "26/03/2020 10:24:00",

            "MGMErr": "",

            "MGSErr": "Grid over voltage",

            "Flag": "0"

        },

        {

            "SNAlias": "11200845",

            "CreateTime": "2020-03-08T08:58:09",

            "UpdateTime": "2020-03-08T08:58:09",

            "StrCreateTime": "08/03/2020 08:58:09",

            "StrUpdateTime": "08/03/2020 08:58:09",

            "MGMErr": "",

            "MGSErr": "Grid over voltage",

            "Flag": "0"

        }

    }

}

### 2.17 Remove the inverter from the power station

Request address /api/ Station / DeleteInverter

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| stationID | String |  |
| dateTime | string |  |
| dsn | String | The serial number of the inverter to be deleted |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": { }

}

### 2.18 Single import device

Request address /api/ Station / ImportDevice

Request method：POST

Header

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| Token | String |  |
| OpenID | String |  |
| Culture | String |  |

Request parameter：

|  |  |  |
| --- | --- | --- |
| Parameter | Class | Description |
| pid | String | StationID |
| gatewaysn | String | Collector serial number |
| sn | String | Inverter serial number |
| alias | String | Inverter alias |

Correct return example

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {}

}

### 2.19 Get app upgrade file

Request address /api/ Station / GetUpgradFileName

Request method：POST

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": {}

}

{

    "Status": "0",

    "Message": "",

    "TotalCount": 0,

    "Data": [

       {

            "Key": "Afghanistan",

            "Val": "1"

        },

        {

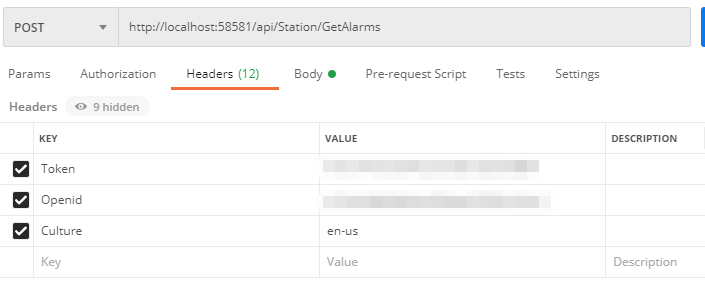
            "Key": "Albania",

            "Val": "2"

        }, …….]

}

### 2.20 user's guidance



Return data

Call interface

Return data

Call interface

Fill in the parameters

Fill the token and openid into the request header，The following is an example of postman screenshot

 I will use it later

"Token": "",

 "OpenId": "",

api/account/ GetToken