

EV charger API User Guide

Solax X1/X3 EVC

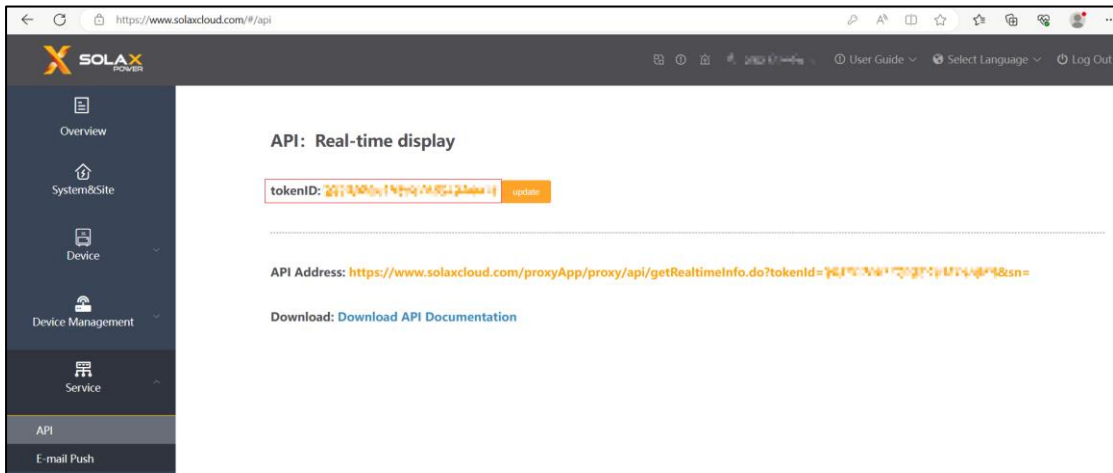


1 Introduction

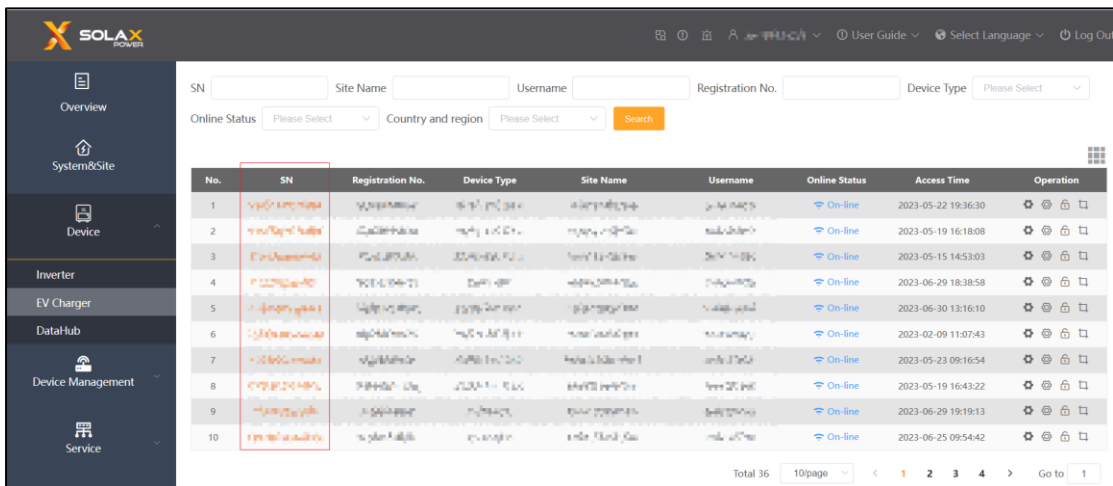
The API uses HTTP protocol, the user can use GET to obtain the device's status and POST method to change the device's work mode. All the request results are in JSON format.

2 Access requirement and limitation

The tokenID is required as authorization key to access the interface. The tokenID is assigned by Solax cloud platform. Each user account has one tokenID, and user can find it at API page on Solax cloud website.



SN of device is required as request parameter, and the user can find it at device page on Solax cloud website. The device must be on line.



The access frequency need to be lower 10 times/min and 10,000 times/day.

3 Interface introduction and use instruction

3.1 EV charger work mode change interface

3.1.1 Interface description

This interface is for user to change EV charger work mode.

3.1.2 Request URL address

<https://www.solaxcloud.com/proxyApp/proxy/api/pileCmd>

3.1.3 Request Method

POST

3.1.4 Request parameter

Parameter name	Must	Data type	Length	note
tokenId	Y	STRING	23or24	tokenID
rwType	Y	STRING	1	R/W TYPE; 2: Write
cmdType	Y	STRING	1	Cmd type; 1: export Control
cmdValue	Y	STRING	1	0: STOP 1: FAST 2: ECO 3: GREEN
sns	Y	List	100	Device SN set, up to 100 SNs per call.
callbackUrl	Y	STRING		Callback interface

3.1.5 request example

```
{  
  "tokenId": "202304131045272667677913",  
  "rwType": "2",  
  "cmdType": "1",  
  "cmdValue": "0",  
  "sns": [  
    "SMARTARMXINPIA",  
    "XM3202HC263025",  
    "XB3233HC225009"  
  ],  
  "callbackUrl": "http://solax01:9000/callback/ackprint/info"  
}
```

3.1.6 Interface reponse explain

There are three types of callback response:

- Response to command send

Example:

```
{  
  "success": true,           false: command sent failed   true: command send  
  "result": {  
    "ack": "issue successfully"  ack include the detailed information  
  }  
}
```

```

"failureList": [
  "XXXXXX"
]
                                failed sn set(while code>0)
},
"rspType": 1,                    response to issued command send
"taskId": "c40c3d8d43684a74b275c645b69300c0", taskId for current command
"code": "0"                      0:send successfully 1:send partly successfully 2:
send all failed
}

```

- Device response

Example:

```

{
"success": true,                  false:cmd sent failed true:cmd sent success
"result": {
"ack": "success",                ack includes detailed information
"sn": "XXXXXXXX"                 Device sn
},
"rspType": 2,                    Device response
"taskId": "c40c3d8d43684a74b275c645b69300c0", taskId
"code": "0"                      0:task sent success 1:device receive task failed
2:device task execute failed
}

```

3: response to task completion

Example:

```
{  
  "success": true,           false: partial device time out   true: all tasks complete  
  "result": {  
    "ack": "all handled",  ack includes detailed information  
    "timeoutList": [  
      "XXXXXX"  
    ]                       time out device sn(existed while code=1 )  
  },  
  "rspType": 3,             task complete response  
  "taskId": "c40c3d8d43684a74b275c645b69300c0", current taskId  
  "code": "0"              0:current task all device complete 1:partial devices  
                             time out  
}
```

3.1.7 Interface response example

```
{  
  "success": true,           cmd receive status true: receive  
                             success  
  "exception": "accept success",  
  "result": {
```

```

    "taskId": "4746ce28cf09464b85d5425606fc4f9c"    current task id
  }
}

```

3.2 Read EV charger status interface

3.2.1 Interface description

This interface is used to read EV charger status.

3.2.2 Request address

<https://www.solaxcloud.com/proxyApp/proxy/api/getPileInfo>

3.2.3 Request method

GET

3.2.4 Request parameter

Parameter name	Must	Data type	length	Note
tokenId	Y	STRING	23or24	tokenID
pileSn	Y	STRING	-	EV charger SN

3.2.5 request example

<http://www.solaxcloud.com/proxyApp/proxy/api/getPileInfo?tokenId=20230413>

1045272667677913&pileSn=MC206TEST45678

3.2.6 return explain

Parameter name	Must	Data type	Property example	Note
success	Y	BOOLEAN	"success": true	Status: true,false
exception	Y	STRING	"exception": "query	Exception

			success"	message
result	Y	STRING	"result": { "parameter 1": "value 1", "parameter 2": "value 2" }	Return result
chargerStatus	Y	Integer		Charger status
chargingMode	Y	Integer		Charging mode
ChargingPower	Y	Double		charging power
chargeEnergy	Y	Double		Charged energy

3.2.7 Response example

```
{
  "success": true,
  "exception": "query success",
  "result": {
    "chargerStatus": 0,
    "chargingMode": 0,
    "chargeEnergy": 0,
    "chargingPower": 6
  }
}
```