SolaX Cloud API

for End-user

Version: V 1.0

Version Information

Version	Editor	Time	Remark
V1.0	Jingke Li	2020-06-30	Creating

Content

1 Introduction

Solax API interface document is a guide for clients to obtaining data from Solax cloud through Http protocol. Clients can use the Solax API service to obtain real-time info of your inverters.

2 Interface format and protocol

Solax API interface accesses Solax cloud platform data through the Http protocol, and the data is returned in JSON format.

Interface address：https://www.solaxcloud.com:4443/proxy/api/

Return object：

Parameter name	Type	Description
exception	String	Response from server
result	Object	Data return
success	Boolean	Whether the data request is successful

Table 1

3 Interface permission

User can get a specific range of information through the granted tokenID. Please obtain your tokenID on the API page of Solaxcloud.

4 Interface content

4.1 Request address

https://www.solaxcloud.com:4443/proxy/api/getRealtimeInfo.do?tokenId={tokenId}&sn={sn}

4.2 Request parameter

Parameter name	Importance	Type	Length	Description	Remark
sn	Required	STRING	10	Registration No. (module SN)	
tokenID	Required	STRING	23	tokenID from Solax	

Table 2

4.3 Output parameters

The Result section of the output parameters is described below.

API items	Description	Accuracy	Unit
inverterSN	Unique identifier of inverter (Serial No.)	-	-
sn	Unique identifier of communication module (Registration No.)	-	-
acpower	i[:].inverter.AC.power.total	1	W
yieldtoday	i[:].inverter.AC.energy.out.daily	0.1	KWh
yieldtotal	i[:].inverter.AC.energy.out.total	0.1	KWh
feedinpower	GCP.power.total	1	W
feedinenergy	GCP.energy.toGrid.total	0.01	KWh
consumeenergy	GCP.energy.fromGrid.total	0.01	KWh
feedinpowerM2	i[:].address2meter.AC.power.total	1	W
soc	i[:].inverter.DC.battery.energy.SOC	1	%
peps1	i[:].inverter.AC.EPS.power.R	1	W
peps2	i[:].inverter.AC.EPS.power.S	1	W
peps3	i[:].inverter.AC.EPS.power.T	1	W
inverterType	Inverter type, details refer to Table 4 in appendix	-	-
inverterStatus	Inverter status, details refer to Table 5 in appendix	-	-
uploadTime	Update time	(format 2016-10-26 17:33:01)	-

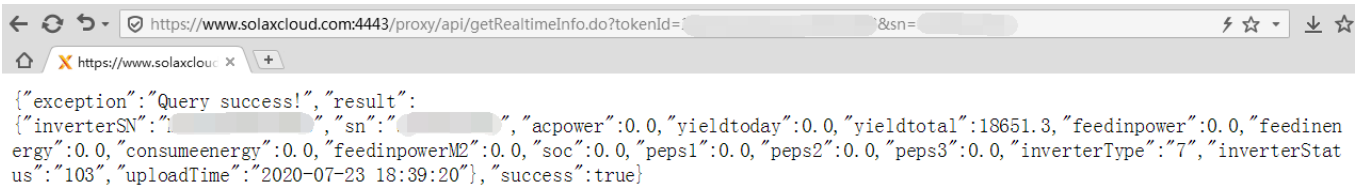
Table 3

4.4 Example

https://www.solaxcloud.com:4443/proxy/api/getRealtimeInfo.do?tokenId=***2020***

0722185111234567890&sn=***ABCDEFGHIJ***

Output:



Appendix

Inverter type	
Type code	**Inverter type**
1	X1-LX
2	X-Hybrid
3	X1-Hybiyd/Fit
4	X1-Boost/Air/Mini
5	X3-Hybiyd/Fit
6	X3-20K/30K
7	X3-MIC/PRO
8	X1-Smart
9	X1-AC
10	A1-Hybrid
11	A1-Fit
12	A1-Grid
13	J1-ESS

Table 4

Inverter status	
Status code	**Inverter status**
100	Wait Mode
101	Check Mode
102	Normal Mode
103	Fault Mode
104	Permanent Fault Mode
105	Update Mode
106	EPS Check Mode
107	EPS Mode
108	Self-Test Mode
109	Idle Mode
110	Standby Mode
111	Pv Wake Up Bat Mode
112	Gen Check Mode
113	Gen Run Mode

Table 5

Communication

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