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iSolarCloud
Remote Monitoring and O&M Platform
Energy Management User Manual

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1 About This Manual

1.1 Target Group

This manual is intended for dealers, installers, and end users of residential PV plant, energy storage system, and commercial PV plant.

1.2 Symbol Explanation



"NOTE" indicates additional information, emphasized contents, or tips helping you solve problems or save time.

1.3 Expression Explanation

Type	Example
Select a certain menu or option	Select "Plant overview"
Select multiple menus or options	Select "All plants -> Plant unit"
Select a certain button	Select 【Confirm】

2 Common Operation



Images in this document are for reference only, and the actual interfaces may differ.

2.1 User Registration

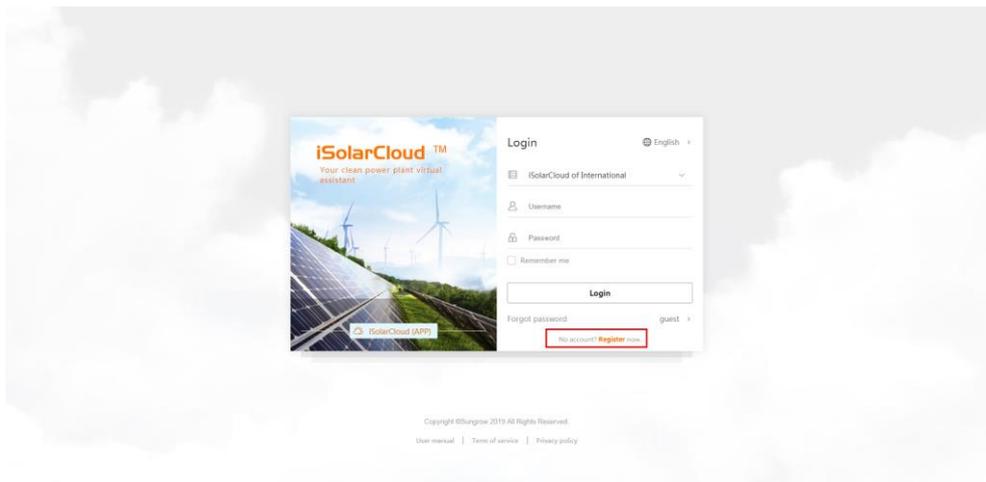
Register to get an account and a password.

The users are divided into end user and installer/retailer.

The end user can view plant information, create plants, set parameters, share plants, etc.

The installer/retailer can help the owner create plants, manage installed/maintained plants, and manage users and organizations.

Step1 Click "Register" to enter the registration interface.



Step2 Select the corresponding user role (end user or installer/retailer).

The screenshot shows the 'iSolarCloud™ | Register' page. At the top, there are two tabs: 'End user' (which is highlighted with a red box) and 'Installer/Retailer'. Below the tabs, the registration form includes the following fields: a dropdown menu for 'iSolarCloud of International', a 'Mailbox' input field, a 'Validate code' input field with a 'Send' button, 'Password' and 'Confirm password' input fields, a dropdown for 'Please select country(region)', and a dropdown for 'Select the time zone'. At the bottom of the form, there is a radio button labeled 'Agree with service terms and conditions' and a 'Register' button.

The screenshot shows the 'iSolarCloud™ | Register' page. At the top, there are two tabs: 'End user' and 'Installer/Retailer' (which is highlighted with a red box). Below the tabs, the registration form includes the following fields: a dropdown menu for 'iSolarCloud of International', a 'Mailbox' input field, a 'Validate code' input field with a 'Send' button, 'Password' and 'Confirm password' input fields, a dropdown for 'Please select country(region)', a dropdown for 'Select the time zone', a 'Company name' input field, and a 'code of upper level installer/retailer' input field. At the bottom of the form, there is a radio button labeled 'Agree with service terms and conditions' and a 'Register' button.

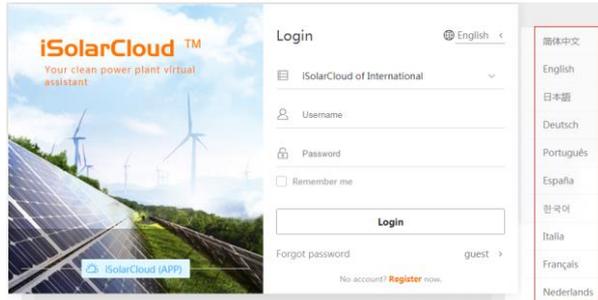
- Users in Europe and Africa should select "Europe station". Users in Europe and Africa should select "Europe station". Users in regions other than mainland China, Europe, and Africa should select "International station".
- Users whose server site is "China station" cannot register account yet.
- The installer/retailer may enter the company name or the code of upper level installer/retailer during registration. The code of upper level installer/retailer can be obtained from the superior dealer/installer. Filling in the code of the upper level installer/retailer indicates that your organization belongs to the superior installer/retailer organization.



2.2 Login

Step1 Enter the specific address in the address bar, for example, <https://www.isolarcloud.com> to enter the login interface.

Step2 Select the desired language.



Step3 The system automatically switches to the corresponding site according to user IP, or the user may manually switch to the site. Users in mainland China should select "China station". Users in Europe and Africa should select "Europe station". Users in other regions should select "International station".



Step4 Enter the username and password in the login dialog box. Click **【Login】**.

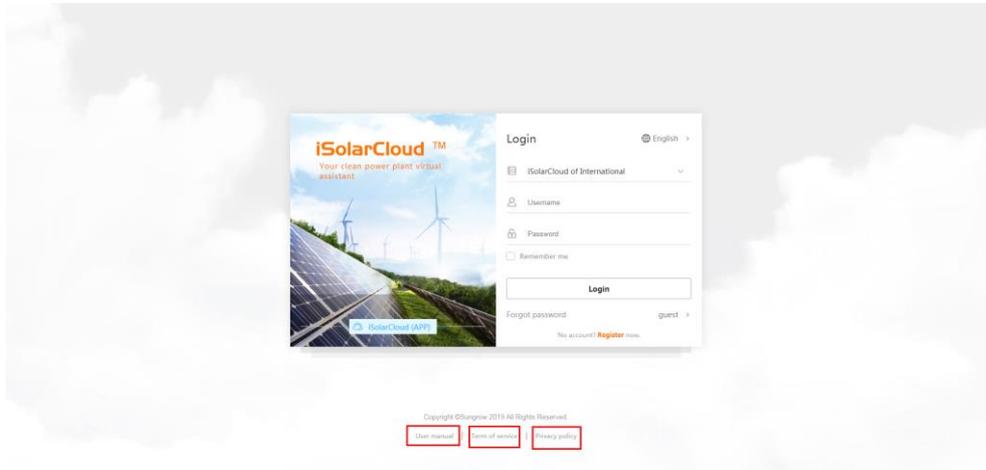


For the convenience of subsequent login, the user may select "Remember me".

Login successfully

If no residential plant is bound, the prompt: "The current user has not yet bound a plant" pops up.

2.3 Help



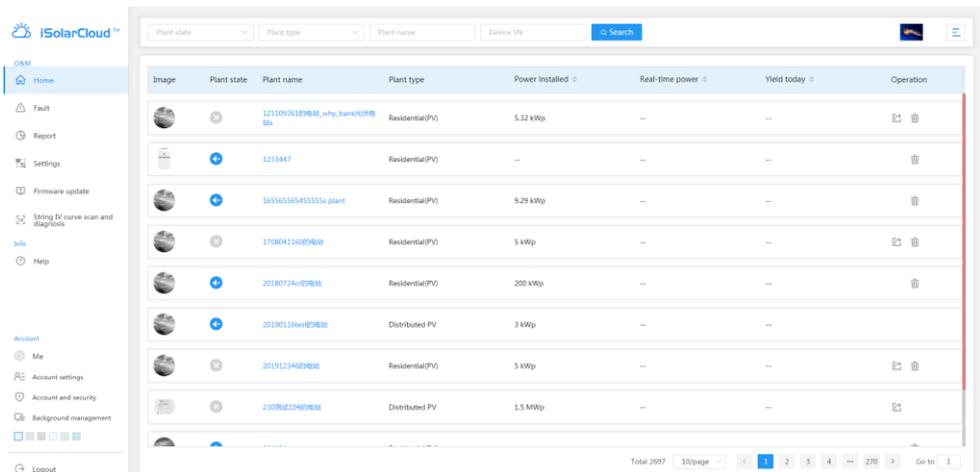
Click "User manual", "Terms of service" and "Privacy policy" on the bottom of the login interface to view corresponding information.

2.4 Logout

Click "Logout" to exit the system.

3 Home

After login, the user enters the home page, as shown in the figure below.



The screenshot displays the iSolarCloud™ interface. On the left is a navigation sidebar with options: Home, Fault, Report, Settings, Firmware update, String IV curve scan and diagnosis, Info, Help, Account (Me, Account settings, Account and security, Background management), and Logout. The main content area features a search bar at the top with filters for Plant state, Plant type, Plant name, and Device SN. Below is a table listing solar plants with the following columns: Image, Plant state, Plant name, Plant type, Power installed, Real-time power, Yield today, and Operation. The table contains several rows of data, including residential and distributed PV systems with their respective power ratings and statuses.

Image	Plant state	Plant name	Plant type	Power installed	Real-time power	Yield today	Operation
	+	121109261220461_why_bank光伏电站	Residential(PV)	5.32 kWp	--	--	
	+	1233447	Residential(PV)	--	--	--	
	+	165565365455555s plant	Residential(PV)	9.29 kWp	--	--	
	+	170804116020461	Residential(PV)	5 kWp	--	--	
	+	20180724c020461	Residential(PV)	200 kWp	--	--	
	+	20190110w020461	Distributed PV	3 kWp	--	--	
	+	20191214020461	Residential(PV)	5 kWp	--	--	
	+	230804116020461	Distributed PV	1.5 MWp	--	--	



Permissions of the installer/retailer and the end user are different. The end user does not have permissions of device upgrading, string IV curve and diagnosis and background management.

3.1 Plant Sharing

Image	Plant state	Plant name	Plant type	Power installed	Real-time power	Yield today	Operation
	✖	1211092618的电站_why_bank光伏电站	Residential(PV)	1.2MWp	--	--	
	✖	1305101738的电站_why_bank测试电站	Distributed PV	1.29GWp	--	--	
	✔	A1810281675的电站	Residential(Storage)	5kWp	--	0kWh	

The plant list includes plants of the end user and plants shared by other end users.

3.1.1 Sharing Plant



Only the end user can share plants, and the installer/retailer do not have the sharing permission but can receive shared message.

Step1 Click the button "", to enter the sharing interface.

1305101738的电站_why_bank测试电站 ADD Share

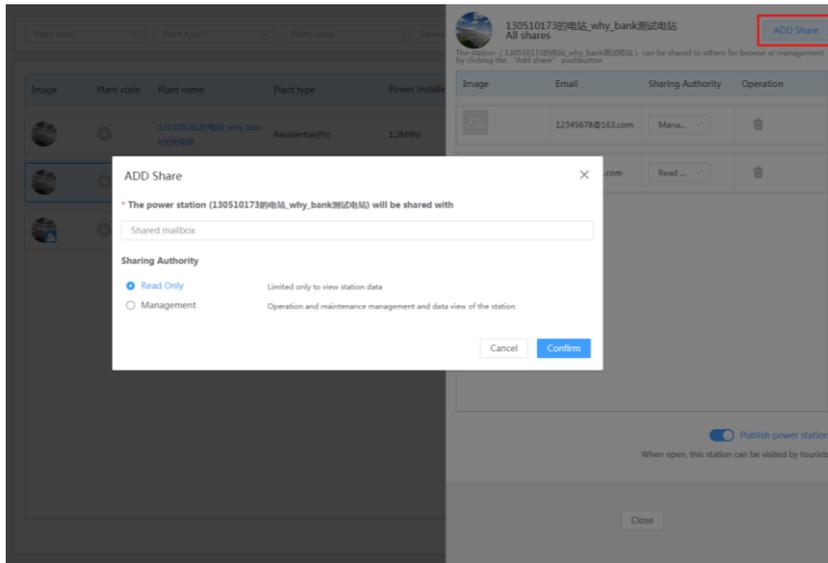
The station (1305101738的电站_why_bank测试电站) can be shared to others for browse or management by clicking the "Add share" publication

Image	Email	Sharing Authority	Operation
	12345678@163.com	Mana...	
	ghm_h@163.com	Read ...	

Publish power station
When open, this station can be visited by tourists

Close

Step2 Click "ADD Share" to enter the corresponding interface.

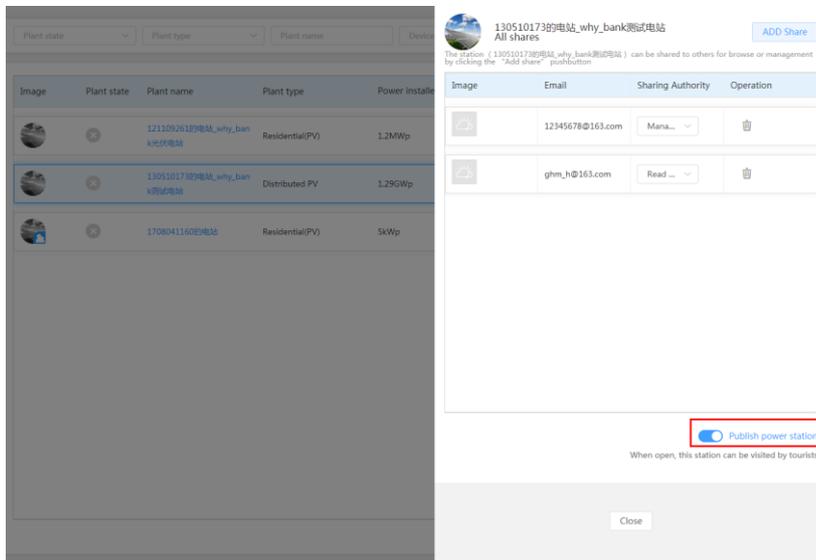


Step3 Fill in the e-mail address and click "Confirm" to share the plant.



Plants can be shared to at most 6 users who have the management permission, but the number of users with view permission is not limited.

3.1.2 Publishing Plants

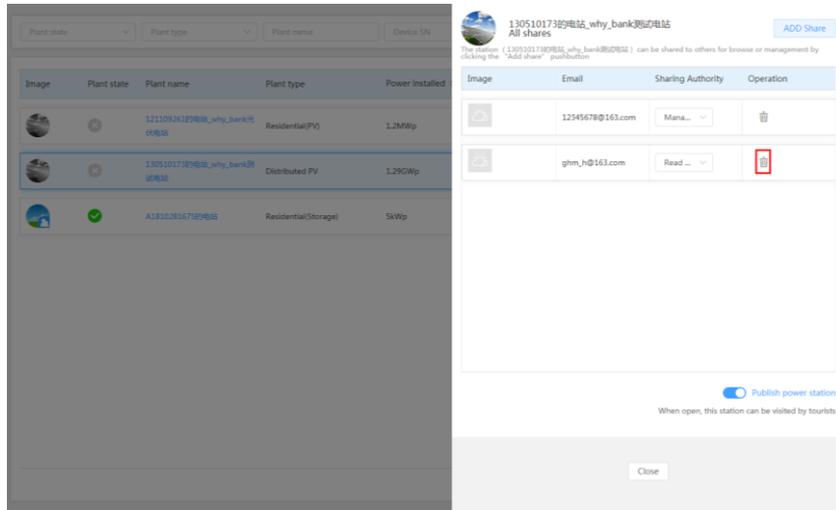


When the option "Publish power station" is turned on, plants can be shared to visitors.

3.1.3 Cancelling Sharing

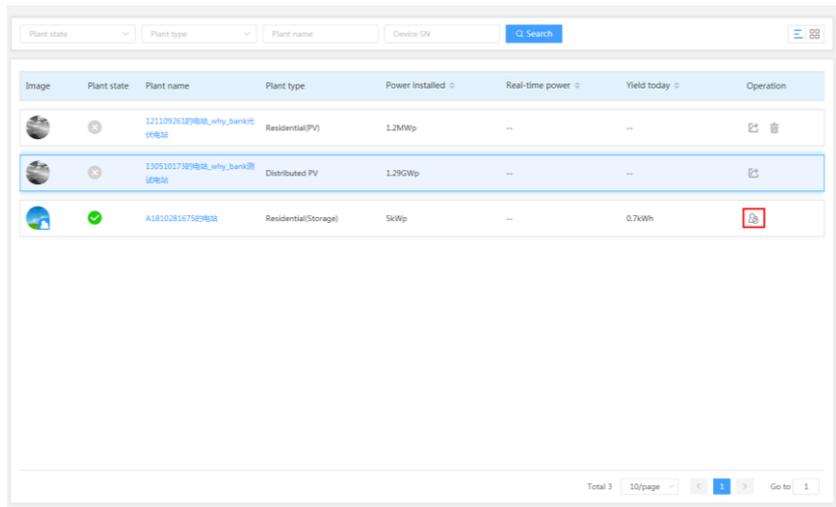
For sharer:

Click the button " " on the operation bar, to cancel the sharing of the plant.



For receiver:

Click the button " " on the operation bar to unbind the sharing relationship, after which the user cannot view or manage the plant.



3.2 Query Plants

Select the plant state, plant type, enter plant name, and click the button "Search", to query corresponding plants.

Image	Plant state	Plant name	Plant type	Power installed	Real-time power	Yield today	Operation
	+	0009992222的电站	Residential(PV)	66kW	--	--	
	+	012385@yy@yy中的电站	Residential(PV)	20kW	--	--	
	x	1210085302的电站_why_bank测试	Residential(PV)	123.69MW	--	--	
	x	1211092612的电站_why_bank光伏电站	Residential(PV)	1.2MW	--	--	
	+	122的电站组件喜欢v革命检测出成功过期通过后...	Residential(PV)	2kW	--	--	
	+	12888的电站	Residential(PV)	12kW	--	--	
	+	165565565455555s plant	Residential(PV)	9.29kW	--	--	
	x	17080411608的电站	Residential(PV)	5kW	--	--	

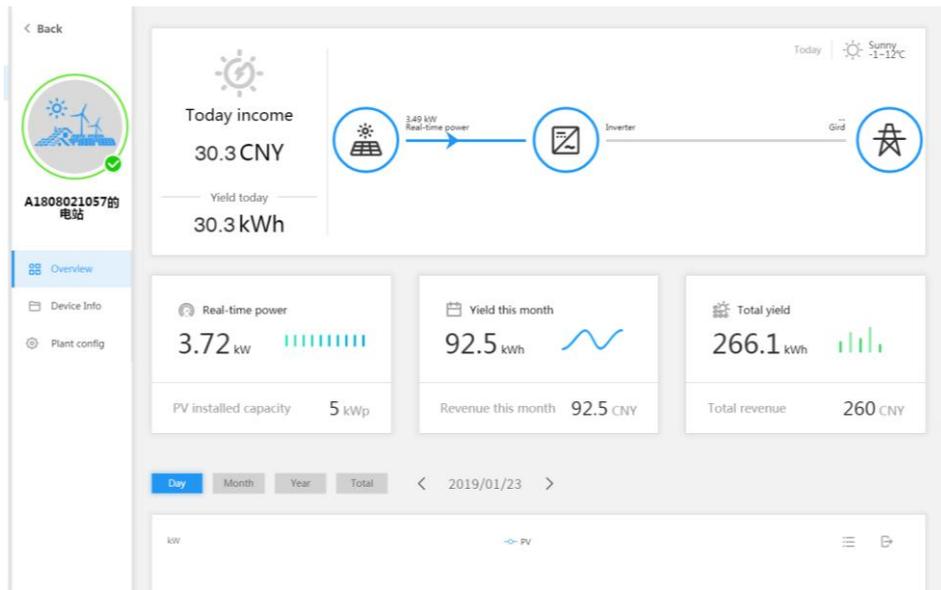
Total 2502 10/page < 1 2 3 4 5 6 ... 251 > Go to 1

3.3 View Plant Information

Click the plant name to enter the plant information interface.

Image	Plant state	Plant name	Plant type	Power installed	Real-time power	Yield today	Operation
	✓	A18080210579的电站	Residential(PV)	5kW	3.72kW	30.3kWh	
	✓	移动充值1806092561的电站	Residential(PV)	10kW	1.53kW	0.9kWh	
	⚠	A18061628988的电站	Residential(PV)	5kW	0W	0kWh	
	✓	A1806163087的电站	Residential(PV)	6kW	736W	0kWh	
	⚠	SG6K_A18061630708的电站	Residential(PV)	8kW	0W	0kWh	
	⚠	Y1808150037的电站	Residential(PV)	80kW	--	0kWh	
	✓	A18102812232的电站	Residential(PV)	5kW	--	0kWh	
	⚠	B18111915162的电站	Residential(PV)	5kW	--	0kWh	

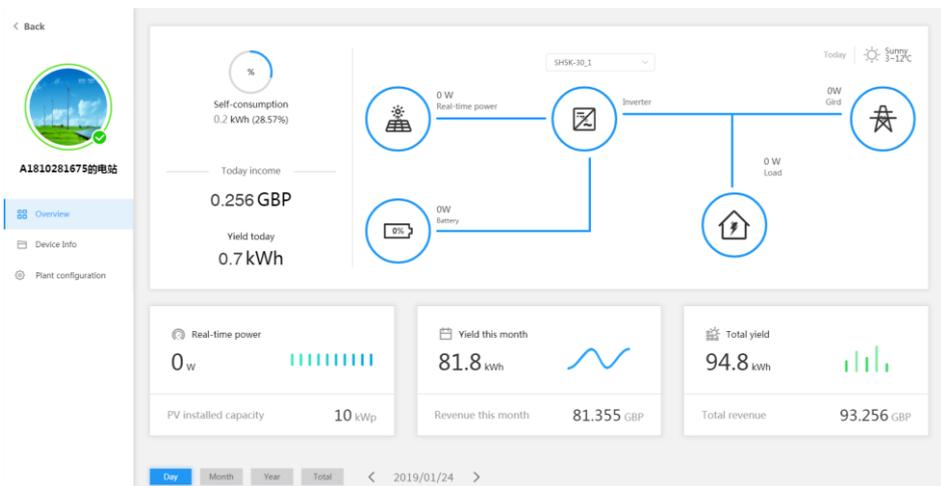
Total 2502 10/page < 1 2 3 4 5 6 ... 251 > Go to 1



3.3.1 Overview



Description is given by using residential energy storage plant as an example.

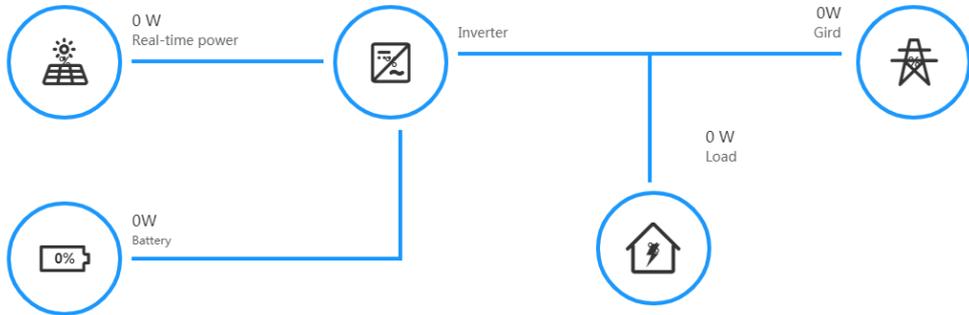


On the "overview" interface, users can perform the following operations:

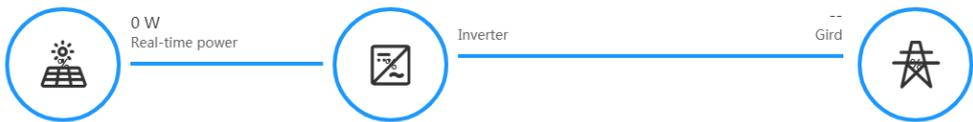
- View basic plant information, including today income, real-time power, yield in this month, total yield, CO₂ reduction, etc.
- View tidal current diagram, including information such as real-time power, feed-in power, load power, battery charging/discharging information, etc.

The energy storage system and PV system have different tidal current diagrams.

The tidal current diagram of the energy storage system is as follows:



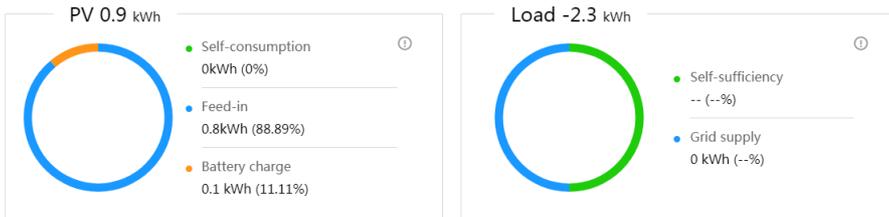
The tidal current diagram of the PV system is as follows:



- 1、 The line with an arrow indicates energy flow between connected devices, and the arrow pointing indicates energy flow direction
 - 2、 Grey line indicates that the connected devices are off-line.
- View and export plant data. The data can be viewed or exported based on "Day", "Month", "Year", and "Total".



Parameters on the PV side and load side can be viewed.



Select a time segment and click "📄" in the upper right corner of the chart, to export the chart.

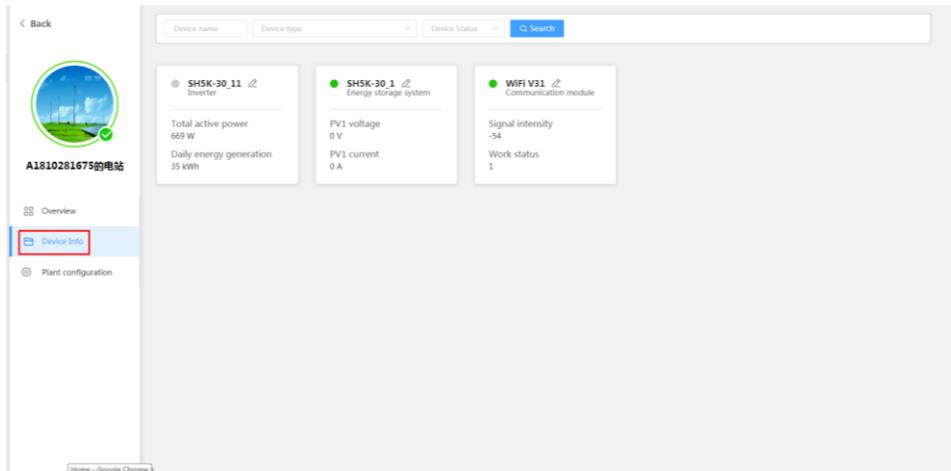
Click "☰" to change the curve form into the table form.

- View plant running status, including "Normal" (green checkmark icon), "Fault" (red warning triangle icon), "Offline" (grey X icon), and "Connecting"

3.3.2 Device Information

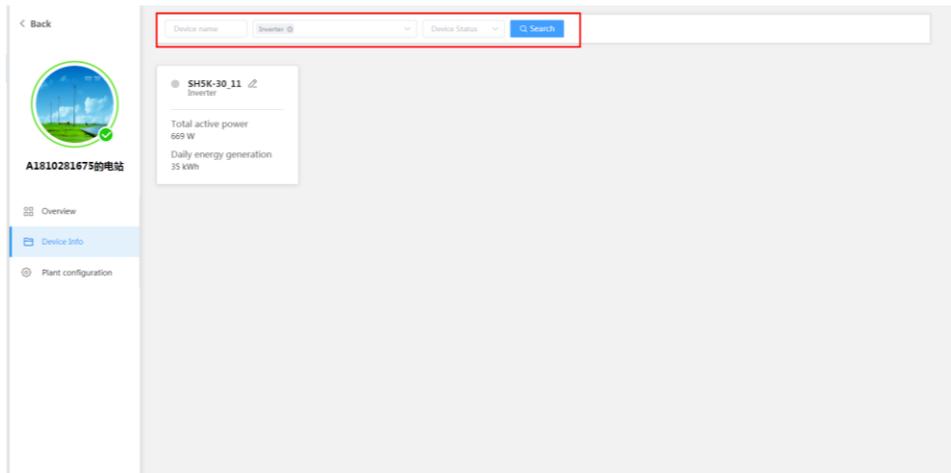
Click "Device Info" to enter the device information interface. Users can view device basic

information and alarm information.



Search device

Enter the device name, select the device type and device status, and click "Search".



View basic device information

Click the device name to view basic device information, device alarm (closed), device alarm (open), and chart information.

- View basic device information

Click the device name, select "Device Basic Info" to view the measuring point information and device information, or restore faults.

SH5K_1

Plant name: A1810040424 Device space: A1810040424 Device model: SH5K-20

Device Basic Info
Device alarm(open)
Device alarm(closed)
Chart

Data update time: 2019-01-22 14:40

Measuring point parameter							
Daily amount of electricity taken from grid	0 kWh	Total amount of electricity taken from grid	1.058 MWh	P-energy get from grid	0 W	Parallel ground impedance	0 kΩ
Bus voltage	0 V	Derating type	0	MDSP off-grid start up state	2	SDSP working mode	10
SDSP off-grid start state	2	DI status	6	Battery voltage (BMS)	5.796 V	Battery SOC (BMS)	99 %
EMS status	3	PV daily feed-in power	0.8 kWh	Daily direct energy consumption	0 kWh	PV day battery charge	0.1 kWh
Annual direct energy consumption	-- kWh	PV total feed-in power	151.9 kWh	Total direct energy consumption	44.7 kWh	Total PV battery charge	26.8 kWh

PV information			
PV1 voltage	402.3 V	PV1 current	2.2 A
PV2 voltage	0 V	PV2 current	0 A
PV total power	924 W	Daily PV power generation	0.9 kWh
		Total PV energy generation	223.4 kWh

Battery information			
Battery voltage	58.7 V	Battery current	0 A
Battery capacity	98.8 %	Battery SOH	100 %
Max. discharging current (BMS)	80 A	Battery temperature	17 °C
Total battery charging capacity	46.9 kWh	Daily battery discharging energy	0 kWh
		Daily battery charging energy	0.3 kWh
		Total battery discharging capacity	26.8 kWh

Repair

Click the button "" to view history information.

Select the start time, end time, and time interval, and then click the button "Search".



Click "" to change the graph into report. Click "Save table data" to export data.

Time	Daily energy generation(kWh)
2019-01-14	--
2019-01-15	--
2019-01-16	--
2019-01-17	40.10
2019-01-18	35.00
2019-01-19	0.00
2019-01-20	--
2019-01-21	--
2019-01-22	--
2019-01-23	--
2019-01-24	--

Click " " in the upper right corner of the interface to refresh the interface.

- Repair

Click "Repair" to enter the corresponding interface.

Device alarm (open) information interface

Select the time range, fault name, alarm level, and alarm processing state, and click the button "Search" to view corresponding information.

View device alarm (close) information

Select time range, fault name, and alarm level, and then click the button "Search".

SHSK_1 ×

Plant name: A1810040424 Device space: A1810040424 Device model: SHSK-20

Device Basic Info Device alarm(open) **Device alarm(closed)** Chart

Time frame: Fault names:

Alarm level: Important Secondary General

Device name	Fault type	Fault level	State	Fault name	Reporter	Occurrence time
SHSK_1	Fault	General	Closed	BMS com abn	system	2019-01-21 23:22:28
SHSK_1	Fault	General	Closed	10 minutes grid overvoltage	王文忠	2019-01-21 08:48:07
SHSK_1	Fault	General	Closed	10 minutes grid overvoltage	王文忠	2019-01-21 08:45:31
SHSK_1	Fault	General	Closed	Battery average undervoltage fault	system	2019-01-20 23:48:12
SHSK_1	Fault	General	Closed	Off-grid BOX box DI fault	system	2019-01-20 23:27:41
SHSK_1	Fault	General	Closed	Islanding	system	2019-01-20 23:27:35
SHSK_1	Fault	General	Closed	Phase A I sampling chann fit	王文忠	2019-01-18 14:37:54
SHSK_1	Fault	General	Closed	Comm exception	王文忠	2019-01-18 09:21:24
SHSK_1	Fault	General	Closed	10 minutes grid overvoltage	王文忠	2019-01-17 09:03:18
SHSK_1	Fault	General	Closed	Islanding	system	2019-01-16 15:02:41

View the Chart

Select a time range and refresh interval to view corresponding curve, and click "↓" to download the curve.



3.3.3 Plant Configuration

Plant Configuration

Click "Plant configuration"-> "Plant configuration" to enter the corresponding interface.

Basic information such as plant name, power installed, and plant grid-connection type can be configured.

Plant configuration

Plant name
B18090304818的电站

Owner's email

Power installed
3 kWp Setting
Participate in the calculation of parameters.
Please modify it with caution.

Plant type
Residential(PV)

Grid-connection type
Select

Location



Time zone
(UTC+08:00)Beijing, Chongqing...

Create time
2019-01-25

Grid-connection time
2019-01-25

Station delivery address
Please enter

Station delivery zip
Please enter

Distribution/installer organization code

Installer/Retailer **Contact info of installer**
1998888888

Save

Installer/retailer organization code

End user

- The end user can fill in the dealer/installer organization code to appoint the corresponding installer/retailer to manage the plant. The organization code can be obtained from the installer/retailer.
- The end user can change the organization code to appoint another installer/retailer to manage the plant.

Installer/retailer

- The installer/retailer can change the organization code to manage another plant, after which the installer/retailer cannot manage the previous plant.

Electricity price configuration

Click "Plant configuration"-> "Electricity price configuration" to enter the corresponding interface.

Users may set the power price value or turn on the option "TOU power price"

- Set electricity price

The screenshot shows the 'Electricity price configuration' form. It includes a 'Charge unit' dropdown menu set to 'GBP /kWh', a 'Power price' input field with the value '0.365', and a 'TOU power price' toggle switch that is currently turned off. A 'Save' button is located at the bottom left of the form.

- Set TOU power price

The screenshot shows the 'Electricity price configuration' form with the 'TOU power price' toggle switch turned on. Below this, there is a 'Time interval' section with a table. The table has columns for 'Start time', 'End time', and 'Price'. There are also 'Add' and 'Operation' buttons. Below the table, there is a 'Price in other time period' input field set to '0.365'. A 'Save' button is at the bottom left.

Start time	End time	Price	Operation
18:46	18:47	2.3	
19:46	20:48	2.36	

Fault alarm push mode

Click "Plant configuration"-> "Fault alarm push mode" to enter the corresponding interface.

Users can set the fault notification method on this interface.

The screenshot shows the 'Fault alarm push mode' form. It features a section titled 'Owner's email' with a 'Reception mailbox push' toggle switch that is turned off. A red box highlights this toggle. Below the toggle, there is a red text note: '(There is no email information, you can add email information in the basic information of the account!)'. A 'Save' button is at the bottom left.

4 Fault List

Click "Fault Alarm" to enter the fault list interface and view the plant alarm information.

The screenshot displays the 'Fault List' interface. On the left is a tree view of plant names. The main area shows a table of alarm records. The table has the following columns: Plant name, Alarm type, Alarm level, Alarm name, Device name, Occurrence time, and Operation. The records include various fault types such as 'PV2 reverse connection fault', 'Grid V-under', 'PV1 overcurrent', 'Islanding', and '10 minutes grid overvoltage'.

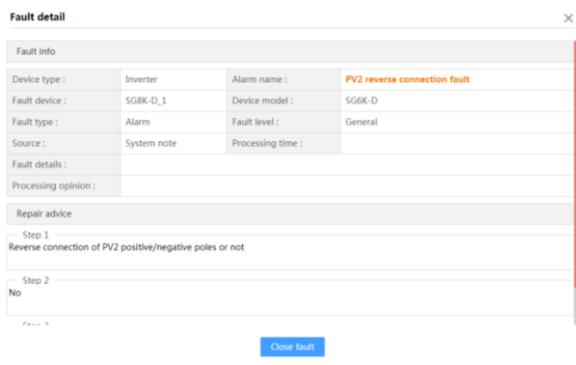
Plant name	Alarm type	Alarm level	Alarm name	Device name	Occurrence time	Operation
B18072506318的电站	Alarm	General	PV2 reverse connection fault	SG8K-D_1	2019-01-25 14:33:33	
A18102816378的电站	Fault	General	Grid V-under	SG5K-D_1	2019-01-25 14:23:37	
A18050624088的电站(绿动)	Fault	General	PV1 overcurrent	SG5K-D-V36_1	2019-01-25 13:21:00	
A18050626788的电站	Fault	Important	Islanding	SG8K-D_1	2019-01-25 09:19:00	
HBV18020611258的电站	Fault	Important	Islanding	SG12KTL-M_5	2019-01-24 18:42:46	
SG8K_A18061630708的电站	Fault	Important	Islanding	SG8K-D_1	2019-01-24 17:19:20	
17080411608的电站	Fault	General	10 minutes grid overvoltage	SG8K-D_1	2019-01-24 16:13:57	
A1801901818的电站	Fault	General	10 minutes grid overvoltage	SG12KTL-M_2	2019-01-24 16:06:51	
V18081500378的电站	Fault	Important	Network side protection self-test failed	SG50KTL_1	2019-01-24 01:04:04	
A16121500378的电站	Alarm	Important	FPD function abnormality	SG1250UD-1	2019-01-22 20:11:27	

Faults, alarms, and advice not closed within one year can be viewed by default.

Click Refresh time 5 min on the upper right corner to refresh the interface according to the selected time interval. Click to refresh the interface.

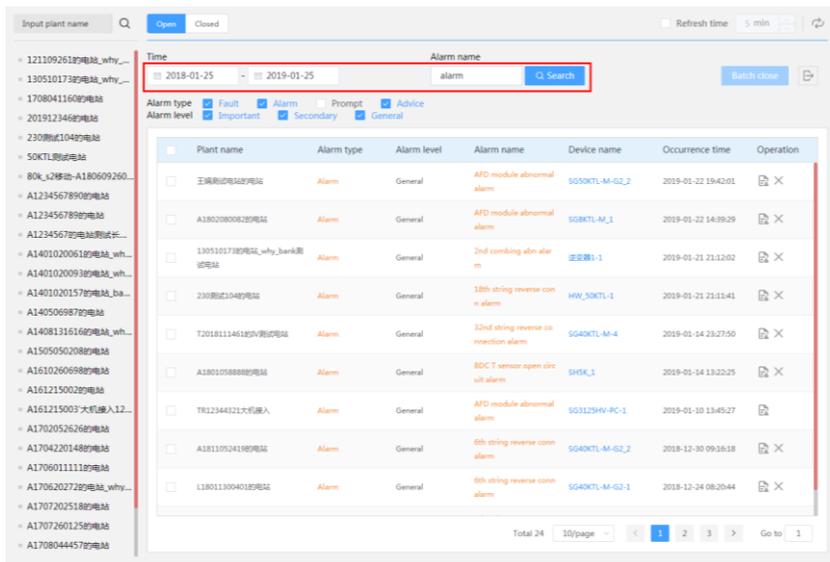
4.1 View Fault Information

Click the button "" on the operation bar, to enter the fault detail interface and view detailed fault information.



4.2 Query Fault

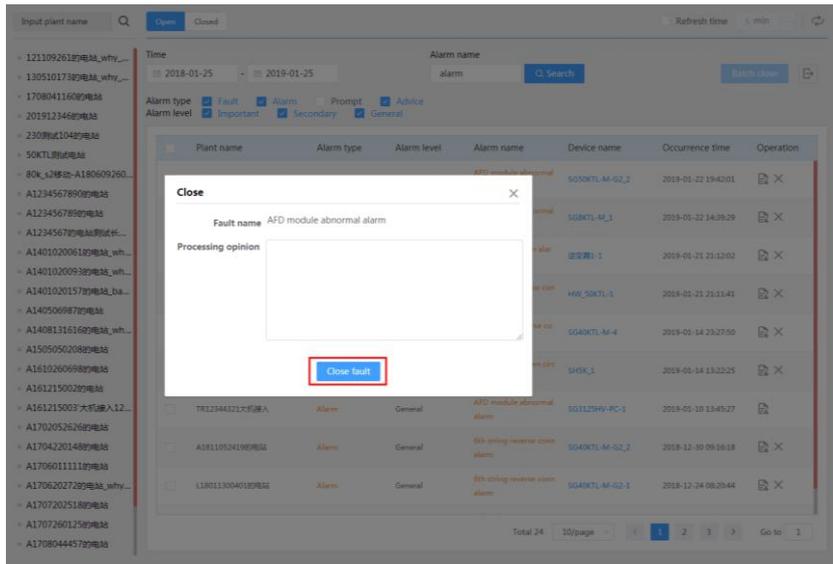
Select a time segment, enter the alarm name, and click "Search" to view the corresponding fault, alarm, and advice information.



4.3 Close the Fault

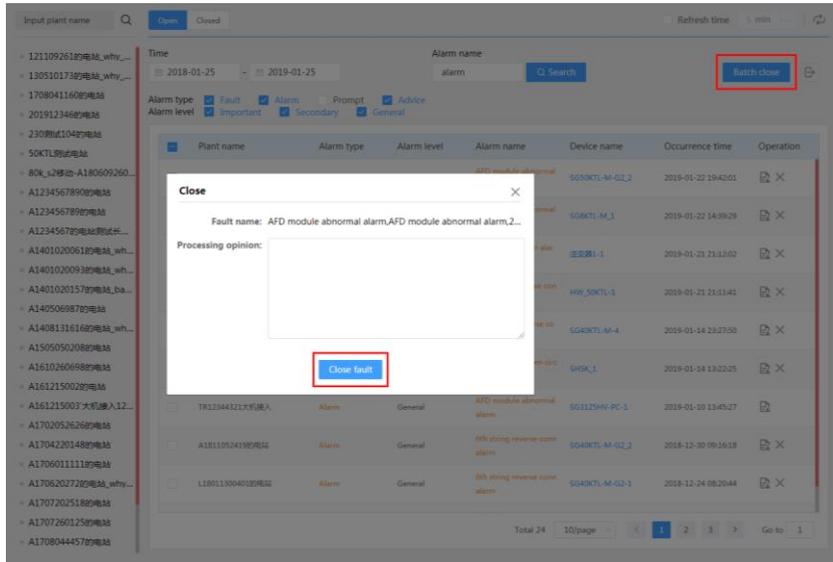
4.3.1 Close Single Fault

Click the button  on the operation bar, to enter the close interface. Fill in the processing opinion and then click the button "Close fault".



4.3.2 Close Faults in Batch

Click "Batch close" to enter the fault close interface. Fill in the processing opinion and then click the button "Close fault".



4.4 Export Fault

Select a fault, and click the button  to export the fault information.

Input plant name Open Close Refresh time 5 min

Time: 2018-01-25 - 2019-01-25 Alarm name: alarm Search Batch close

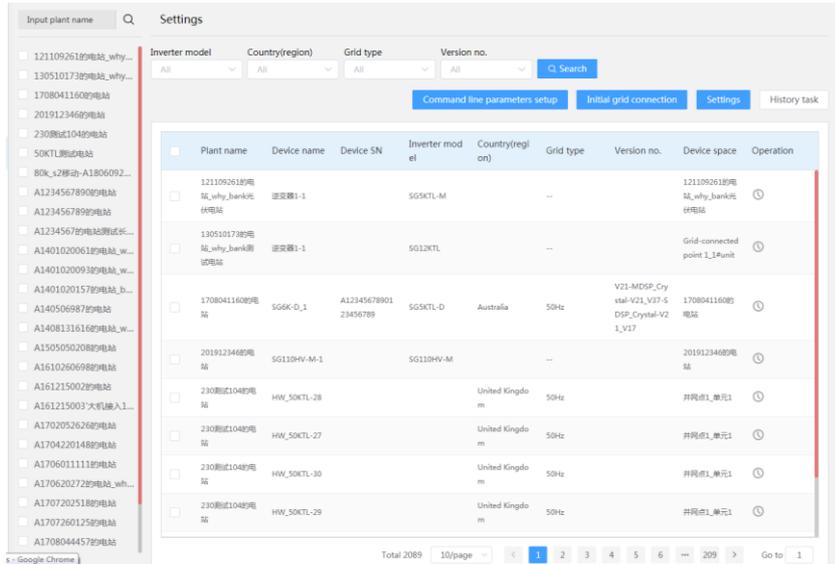
Alarm type: Fault Alarm Prompt Advice
 Alarm level: Important Secondary General

Plant name	Alarm type	Alarm level	Alarm name	Device name	Occurrence time	Operation
A1801058888的电站	Alarm	General	BOC T sensor open circuit alarm	SHSK_1	2019-01-14 13:22:25	
TR12344321大机输入	Alarm	General	AFD module abnormal alarm	SG1125HV-PC-1	2019-01-10 13:45:27	
A18110524198的电站	Alarm	General	6th string reverse connection alarm	SG40KTL-M-G2_2	2018-12-30 09:16:18	
L180113004018的电站	Alarm	General	6th string reverse connection alarm	SG40KTL-M-G2-1	2018-12-24 08:20:44	
A18082816538的电站	Alarm	General	6th string reverse connection alarm	SG40KTL-M-G2_2	2018-12-15 11:04:10	
A1801058888的电站	Alarm	General	Ambient temperature sensor open circuit alarm	SHSK_1	2018-12-13 11:52:07	
A1801058888的电站	Alarm	General	Ambient low temperature sensor open circuit alarm	SHSK_1	2018-12-13 11:52:07	
A1801058888的电站	Alarm	General	Inversion T sensor open circuit alarm	SHSK_1	2018-12-13 11:51:17	
CGSEK_A1813561001808882	Alarm	General	27th string reverse connection	CGSEK_n_1	2018-11-26 08:45:00	

Total 19 10/page 1 2 Go to 1

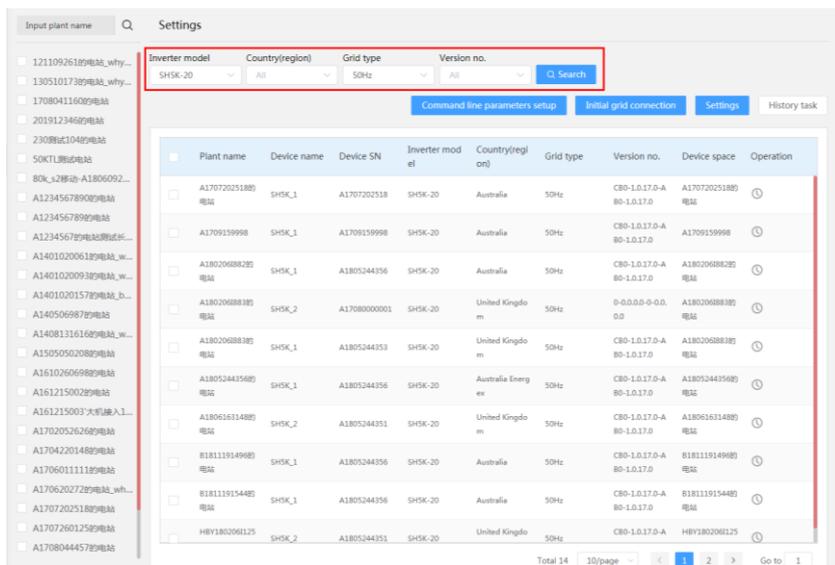
5 Parameter Setting

Click "Setting" to enter the parameter setting interface.



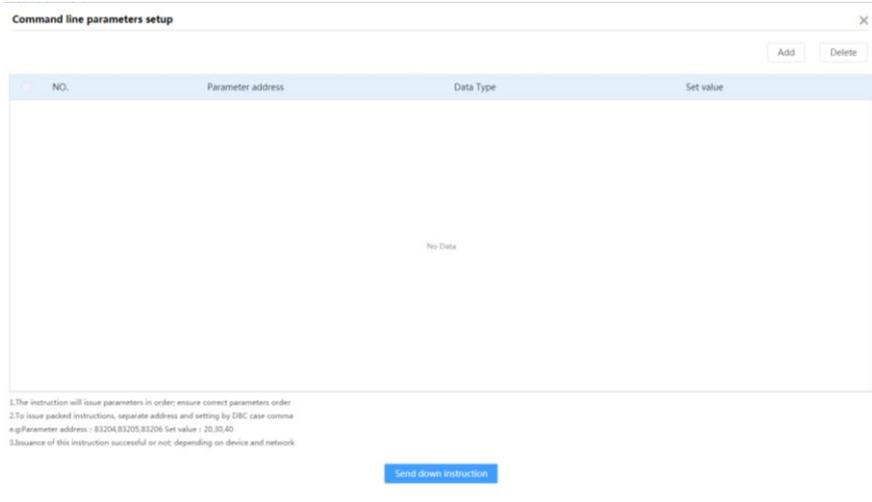
5.1 Query Device

Select inverter model, country (region), grid type, and version No., and then click "Search" to search corresponding device.

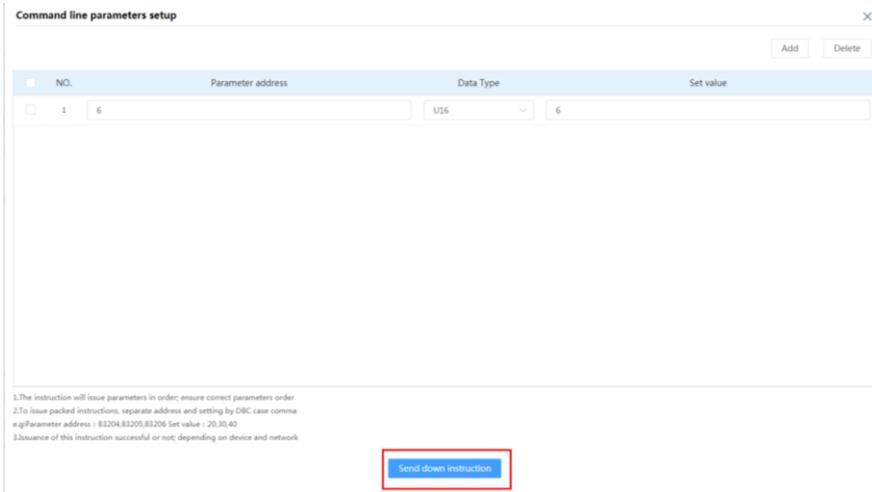


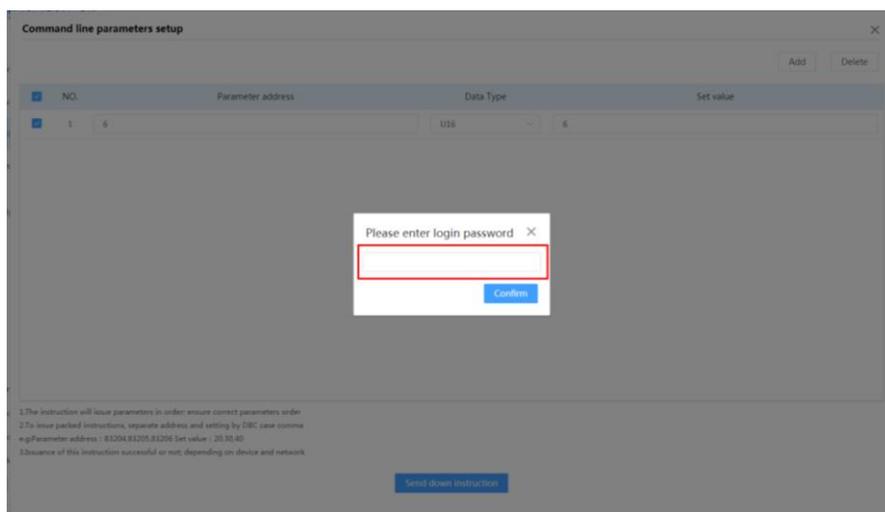
5.2 Command Line Parameter Setup

Step1 Select a plant on the left and a plant device, and click "Command line parameters setup" to enter the corresponding interface.

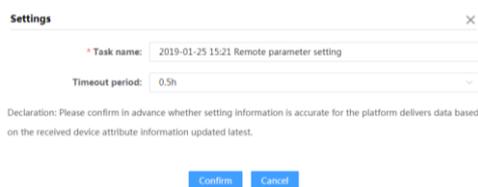


Step2 Click **【Add】** to fill in parameter address, data type, and set value. Select an instruction to be delivered, and click **【Send down instruction】** to enter login password.





Step3 Enter the correct login password. Then a parameter setting interface pops up.

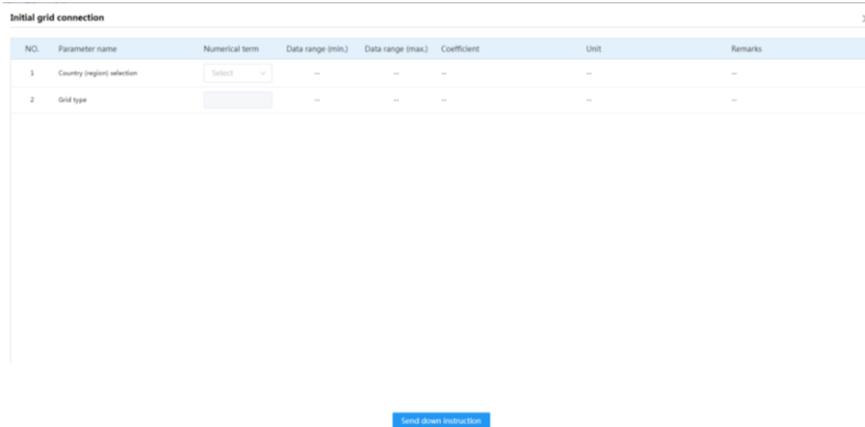


Task name and timeout time can be set. The timeout time can be 0.5h, 1h, and 72h, and the user can select the time according to operation time and parameter setting time of the inverter. After setting, click **【Confirm】**, and the system generate the parameter delivery task. In addition, history tasks can be viewed.

Step4 Click "View" on the operation bar, to view the task. Click "Cancel the task" to cancel the latest parameter setting.

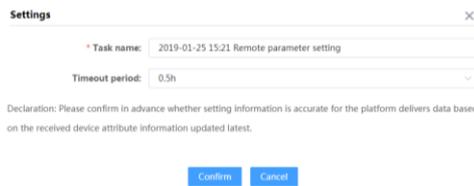
5.3 Initial Grid Connection Setting

Step1 Select a plant on the left and a plant device, and click "Initial grid connection", to enter the country and grid type interface.



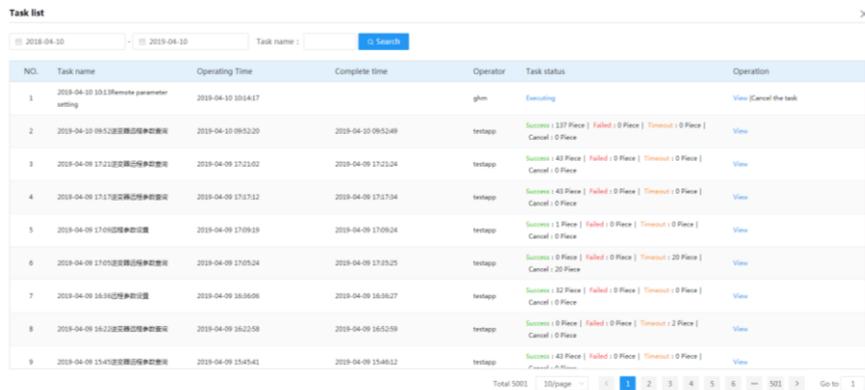
Step2 After selecting the county, grid type and related country parameters, click **【Send down instruction】**, and a prompt dialog box pops up.

Step3 Enter the correct login password. Then a parameter setting interface pops up.



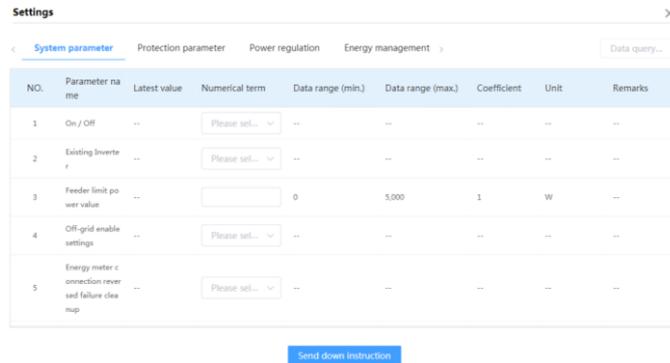
Task name and timeout time can be set. The timeout time can be 0.5h, 1h, and 72h, and the user can select the time according to operation time and parameter setting time of the inverter. After setting, click **【Confirm】**, and the system generate the parameter delivery task. In addition, history tasks can be viewed.

Step4 Click "View" on the operation bar, to view the task. Click "Cancel the task" to cancel the latest parameter setting.



5.4 Parameter Setting

Step1 After setting the country and grid type, click "Setting" to enter the inverter parameter setting interface and set the system parameter, protection parameter, and power regulation mode.

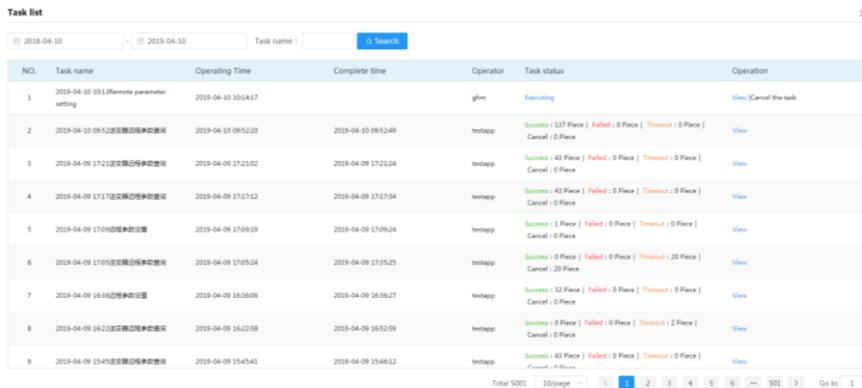


Step2 After parameter setting, click **【Send down instruction】**, then a dialog box pops up, and enter the login password into it.

Step3 When the password is verified, a parameter setting page pops up. Edit task and timeout time, and click **【Confirm】**. The history tasks can be viewed.

5.5 View History Tasks

Click "Task list" to view history tasks.



Select a time range and task name to view the corresponding history task.

Click the "View" button corresponding to the task named "Remote parameter query" to view information such as execution result and read-back value.

Task list ✕

2018-04-10 | 2019-04-10 | Task name: [Search](#)

NO.	Task name	Operating Time	Complete time	Operator	Task status	Operation
1	2019-04-10 10:11 Remote parameter setting	2019-04-10 10:14:17		ghm	Executing	View / Cancel the task
2	2019-04-10 09:52 逆变器远程参数设置	2019-04-10 09:53:20	2019-04-10 09:52:49	testapp	Success : 137 Piece Failed : 0 Piece Timeout : 0 Piece Cancel : 0 Piece	View
3	2019-04-09 17:21 逆变器远程参数设置	2019-04-09 17:21:02	2019-04-09 17:21:24	testapp	Success : 43 Piece Failed : 0 Piece Timeout : 0 Piece Cancel : 0 Piece	View
4	2019-04-09 17:17 逆变器远程参数设置	2019-04-09 17:17:12	2019-04-09 17:17:34	testapp	Success : 43 Piece Failed : 0 Piece Timeout : 0 Piece Cancel : 0 Piece	View
5	2019-04-09 17:09 逆变器参数设置	2019-04-09 17:09:19	2019-04-09 17:09:24	testapp	Success : 1 Piece Failed : 0 Piece Timeout : 0 Piece Cancel : 0 Piece	View
6	2019-04-09 17:05 逆变器远程参数设置	2019-04-09 17:05:24	2019-04-09 17:05:25	testapp	Success : 0 Piece Failed : 0 Piece Timeout : 20 Piece Cancel : 20 Piece	View
7	2019-04-09 16:16 逆变器参数设置	2019-04-09 16:16:06	2019-04-09 16:16:27	testapp	Success : 32 Piece Failed : 0 Piece Timeout : 0 Piece Cancel : 0 Piece	View
8	2019-04-09 16:22 逆变器远程参数设置	2019-04-09 16:22:58	2019-04-09 16:52:59	testapp	Success : 0 Piece Failed : 0 Piece Timeout : 2 Piece Cancel : 0 Piece	View
9	2019-04-09 15:41 逆变器远程参数设置	2019-04-09 15:45:41	2019-04-09 15:46:12	testapp	Success : 43 Piece Failed : 0 Piece Timeout : 0 Piece Cancel : 0 Piece	View

Total 5001 | 30/page | [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) ... [5001](#) | Go to [1](#)

Task name : 2019-04-09 17:21 逆变器远程参数设置

Plant name : Inverter SN : [Search](#) [Export](#)

Parameter setting execution result: Total set : 43 Piece Executing : 0 Piece Wait for execution : 0 Piece Success : 43 Piece Failed : 0 Piece Timeout : 0 Piece Cancel : 0 Piece

NO.	Plant name	Device space+Device name	Inverter SN	Execute instruction	Set value	Read-back value	Execution result
1	A1812016596	1392457501.387X_001_001	Y3901900017	On / Off	--	On	Success
2	A1812016596	1392457501.387X_001_001	Y3901900017	Energy Adjustment	--	0	Success
3	A1812016596	1392457501.387X_001_001	Y3901900017	Country(region)	--	China	Success
4	A1812016596	1392457501.387X_001_001	Y3901900017	Protection series	--	2-stage	Success
5	A1812016596	1392457501.387X_001_001	Y3901900017	Underfrequency primary protection value	--	--	Success
6	A1812016596	1392457501.387X_001_001	Y3901900017	I-Vmax	--	--	Success
7	A1812016596	1392457501.387X_001_001	Y3901900017	Underfrequency primary protection value	--	--	Success
8	A1812016596	1392457501.387X_001_001	Y3901900017	I-Fmax	--	--	Success
9	A1812016596	1392457501.387X_001_001	Y3901900017	Grid overvoltage multi-level protection recovery v	--	390.5	Success
10	A1812016596	1392457501.387X_001_001	Y3901900017	Undervoltage secondary protection recovery value	--	488.8	Success

Total 43 | 30/page | [1](#) [2](#) [3](#) [4](#) [5](#) | Go to [1](#)

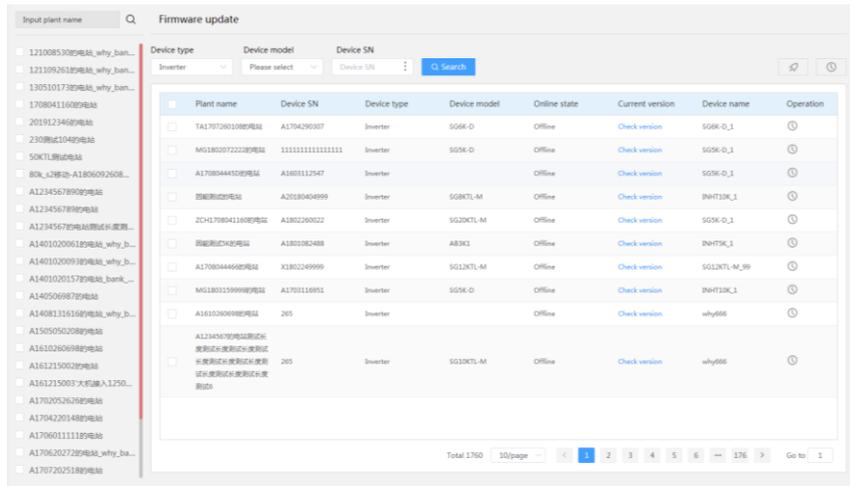
Click "Export" to download the read-back values.

6 Firmware Update



Only installer/retailer has the upgrading permission.

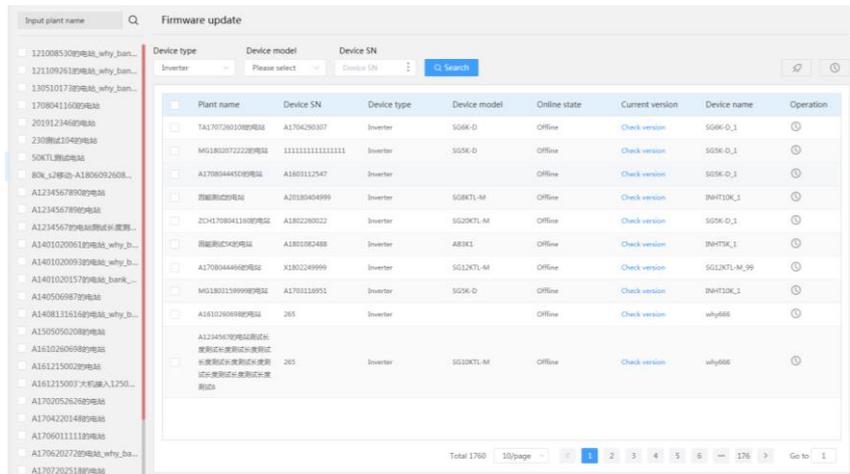
Click "Firmware update" to enter the corresponding interface.



6.1 Firmware Update

On this interface, the version of the software associated with the device in the plant system can be upgraded remotely. The steps are as follows:

Step1 Click "Firmware update" to enter the firmware update interface.



Step2 Select, from the device list bar on the left, the plant whose device needs to be updated. (Batch

operation is feasible).

Step3 Select "Device type" and "Device model" and import the device serial number. Currently, the following two importing methods are available:

- Fill in the device serial number.
- Click "Device SN import" to import SNs in batch.

Step4 Select a device internal module, for example, ARM, BAT, and BOOT. Enter the version corresponding to the module.

Step5 Select a device and click "Firmware update".



Step6 Select an "Update package", and click "Upgrade".

6.2 View history update tasks

Click  to view history information.

Check history

时间: 2018-01-25 - 2019-01-25 Device type: Please select Device model: Please select Goal software version:

NO.	Task name	Device type	Device model	Task start time	Task end time	Executor	Task execution status	Success statistics	Task progress	Operation
1	2018-01-18 15:27 S08 K7L-M 固件升级任务	Inverter	S08K7L-M	2018-01-18 15:23:46	2018-01-18 15:26:44	ghm	Operation completed	3/1 100%	3/1 100%	View
2	2018-07-25 14:05 S020 K7L-M 固件升级任务	Inverter	S020K7L-M	2018-07-28 09:20:06	2018-07-28 11:20:37	ghm	Operation completed	0/1 0%	3/1 100%	View
3	2018-07-25 09:47 S020 K7L-M 固件升级任务	Inverter	S020K7L-M	2018-07-25 09:47:30	2018-07-25 09:57:04	ghm	Operation completed	3/1 100%	3/1 100%	View
4	2018-07-23 11:09 S08 K7L-M 固件升级任务	Inverter	S08K7L-M	2018-07-23 11:03:50	2018-07-23 13:10:51	ghm	Operation completed	0/1 0%	3/1 100%	View
5	2018-05-21 07:38 E-Net V11 固件升级任务	Communication module	E-Net V11	2018-05-21 07:39:03	2018-05-21 09:09:04	ghm	Operation completed	0/1 0%	3/1 100%	View
6	2018-05-21 07:24 E-Net V11 固件升级任务	Communication module	E-Net V11	2018-05-21 07:24:41	2018-05-21 09:24:42	ghm	Operation completed	0/1 0%	3/1 100%	View
7	2018-05-21 07:15 E-Net V11 固件升级任务	Communication module	E-Net V11	2018-05-21 07:15:51	2018-05-21 09:15:52	ghm	Operation completed	0/1 0%	3/1 100%	View

Total 15 10/page 1 2 3 Go to 1

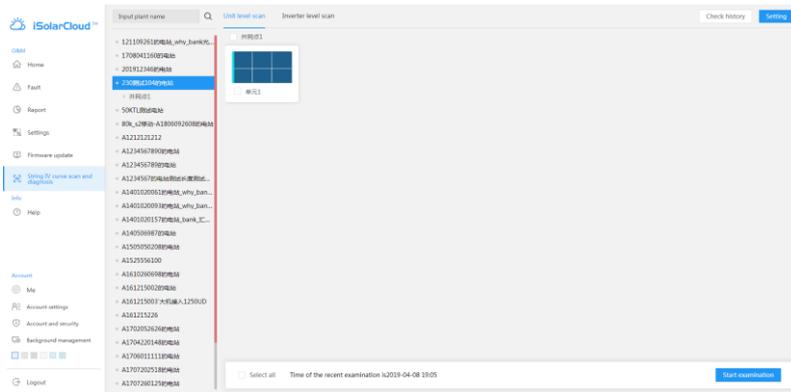
Select a time range, device type, device model, and goal software version to view the corresponding history tasks.

7 String IV Curve Scan and Diagnosis



Only installer/retailer has the string IV curve scan and diagnosis permission.

Step1 Click "string IV curve scan and diagnosis", to enter the corresponding interface.



On the top of the interface display **【Unit level scan】**, **【Inverter level scan】**, **【Check history】**, **【Setting】**.

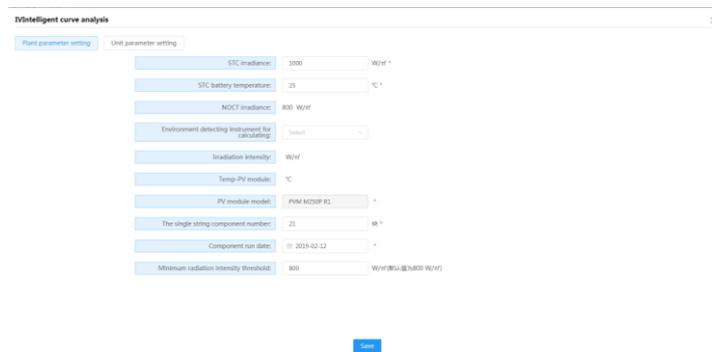
At the lower part display all grid-connected points of the plant and unit graph list.

On the bottom display "Select All", "Time of the recent examination", and "Start examination".

Step2 Select a plant from the tree diagram on the left.

Click **【Setting】** to enter the "IV intelligent curve analysis" interface.

You will enter the "Plant parameter setting" interface by default, on which module parameters applicable to the whole plant can be set.



Click **【Unit parameter setting】**, select an inverter, and click **【Setting】** to set the corresponding parameters. Click **【Batch settings】** to set parameters of multiple selected inverters at the same time.

Step4 Return to the "IV intelligent curve analysis" interface, click the button **【Inverter level scan】**, select a device, and click the button **【Start examination】**, the same as **step 3**.

Step5 Return to the "IV intelligent curve analysis" interface and click **【Check history】**, to view the history scanning results.

Check history

Input plant name: Time: 2019-04-10 Start Time: 2019-04-10 Task type: All Task name:

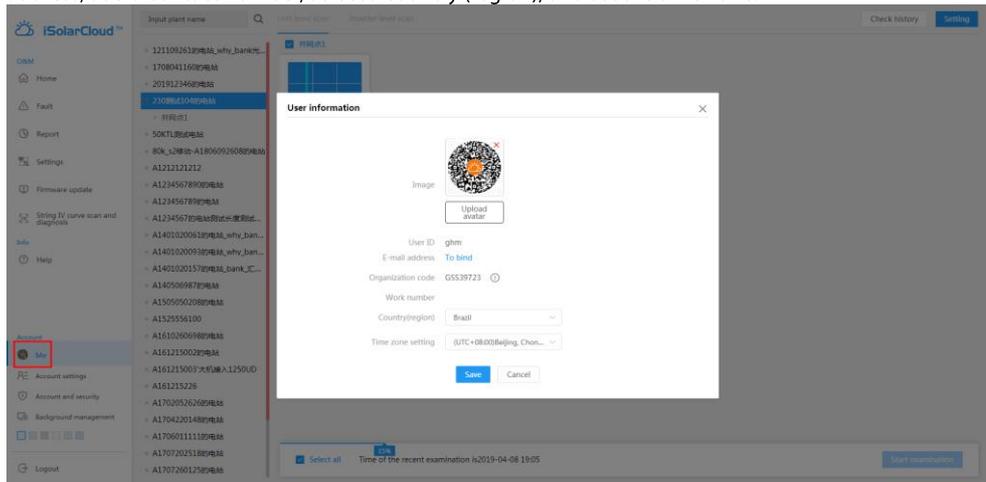
NO.	Task name	Task type	Start Time	End time	Sweep time	Sitting number	Abnormal string	State	Details
1	210组214号阵列组串1 Scan scan-2019-04-10 10:48:50	Unit level scan	2019-04-10 10:48:52	--	00:00:00	0	0	Scanning	View
2	210组214号阵列组串1 组串1-2019-04-08 10:51:04	Unit level scan	2019-04-08 10:47:45	2019-04-08 10:50:08	00:00:52	0	0	Finished	View
3	210组214号阵列组串1 组串1-2019-04-08 10:50:52	Unit level scan	2019-04-08 10:29:36	2019-04-08 11:00:02	00:30:26	0	0	Finished	View
4	210组214号阵列组串1 组串1-2019-05-22 14:34:52	Inverter level scan	2019-05-22 14:24:00	2019-05-22 14:26:05	00:02:02	0	0	Finished	View
5	210组214号阵列组串1 组串1-2019-05-22 14:35:22	Unit level scan	2019-05-22 13:52:23	2019-05-22 14:23:14	00:00:51	0	0	Finished	View
6	210组214号阵列组串1 组串1-2019-05-22 13:23:52	Inverter level scan	2019-05-22 13:21:00	2019-05-22 13:23:05	00:02:02	0	0	Finished	View

Total: 113 100page 1 2 3 4 5 6 7 8 9 10 11 12 13 Go No. 1

8 Other Operations

8.1 User Information

Click the account to enter the user information interface, on which users can bind an e-mail address, add a contact number, select a country (region), and set the time zone.

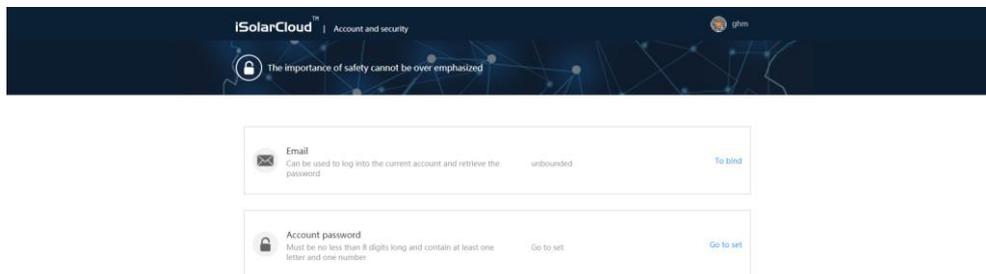


The installer/retailer can view his organization code, and the owner does not have organization code.

8.2 Account and Security

Click "Account and security" to enter the account and security interface.

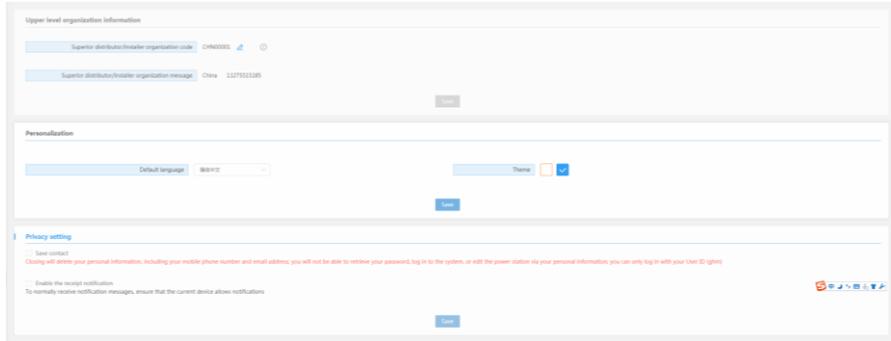
Bind phone number and email address, and modify password.



8.3 Account Settings

Click "Account I settings" to enter the account settings interface.

Users can modify basic account information, perform personal setting and privacy setting.



The installer/retailer can view and modify the super-level dealer/installer organization code and can be managed by the super dealer/installer. The end user does not have superior-level organization code and related information.

8.4 Background Management

Click "Background management" to enter the corresponding interface.



Only installer/retailer can access the background management interface.

8.5 Help

Click "Help" to view the user manual corresponding to the software.

9 Appendix

9.1 System Requirements

Browser	Chrome recommended
Resolution	1920*1080 recommended and 1366*768 supported

9.2 Manual Description

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The content of the manual will be periodically updated or revised as per the product development. It is probably that there are changes in manuals for the subsequent module edition. Refer to the actual screen interface, and obtain the latest version at www.sungrowpower.com or from the sales department.

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Should you have any question about this product, please contact us.

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