

Sunways PC Monitoring User Manual



MONITOR.SUNWAYS-TECH.COM

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1 About This Manual

1.1 Target Group

This manual is intended for the distributors/installers of the Sunways.

1.2 Intended Use

This manual is intended to guide users in operating and managing Sunways Plants Monitoring System.

2 About Sunways Plants Monitoring System

Note: This manual is prepared based in the month Jan 2021, part functions of this system are being developed, screenshots are for reference only, the actual interfaces may differ.

Major functions

Sunways plants monitoring system mainly includes the following functions:


- Detailed information of plant&device: All plants' generation overview, add&edit specific plant and device, check plant&device status, view specific plant&device generation records. See chapter 4 for details. [Plants](#).
- Device assign management: Assign devices to your sub-level distributor or installer to manage devices movement and warranty checking. See chapter 7 for details. [Devices](#).
- Organization management: Manage the internal members' accounts and (See [8.1 Internal organization](#) for details)and the external organizations such as sub-distributors&installers, see [8.2 Sub-organization](#) for details.
- Other functions: Main Dashboard, Reports, Alarm, and System Setting.

2.1 Plant view permission explanation

1. Distributor allows viewing all plants that bonded in the devices in its account.
2. The distributor can view the plant of the device even though the device has been assigned to its sub-distributor.


3 Login, Homepage and Logout

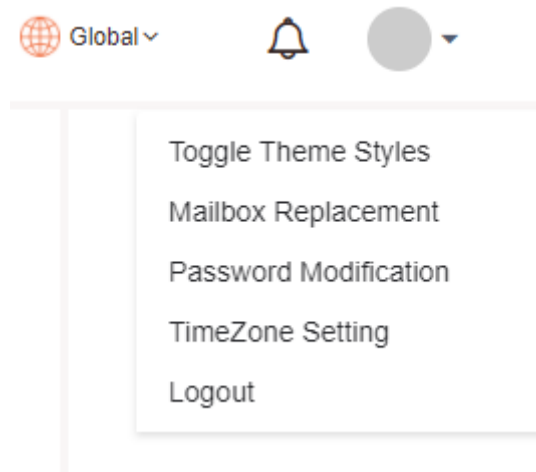
3.1 Login

1. Access the Sunways plants monitoring system by visiting the URL <https://monitor.sunways-tech.com> in the browser address bar.
2. Click the icon  in the middle-lower position to switch languages.
3. Enter the username and password and click "Login".

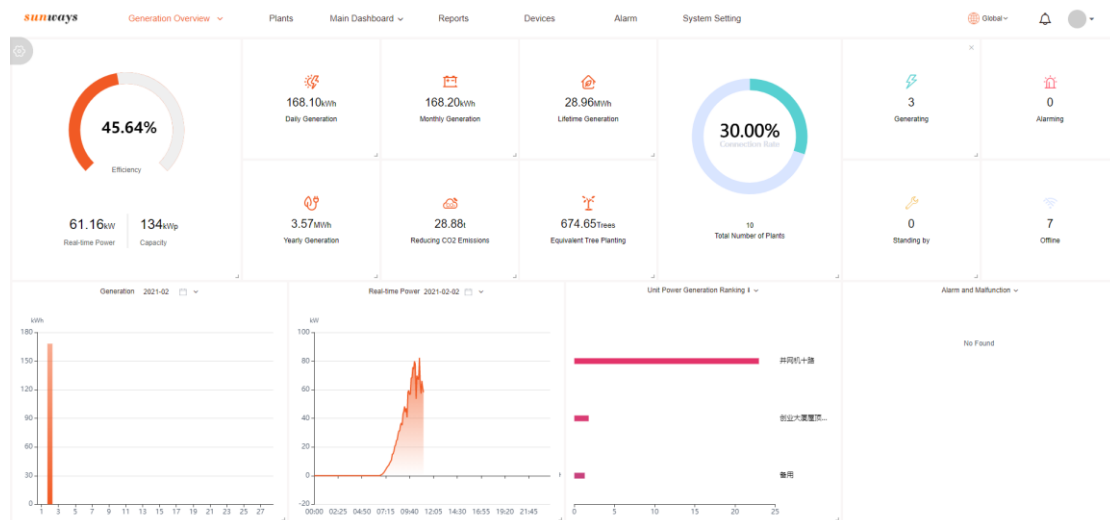
For the convenience of subsequent login, you can tick "Remember me".

3.2 Logout

Click the button  in the upper right corner of the home page to log out the account from Sunways plants monitoring system.


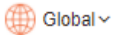




3.3 Homepage



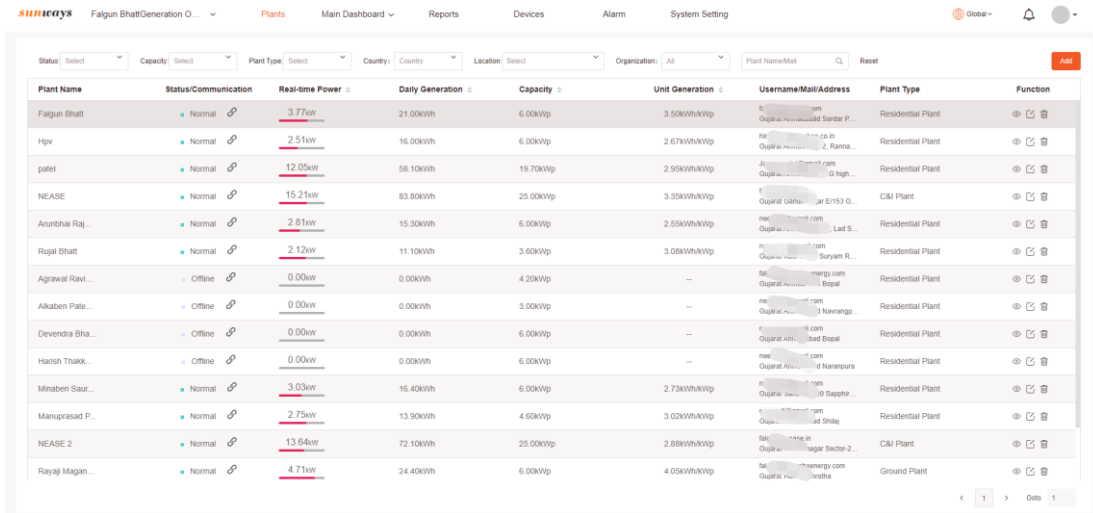
3.3.1 Menu Bar

The menu bar displays main function categories of the Sunways plants monitoring system. Users can switch to the corresponding function interfaces and perform related operations.

Menu	Description
Generation Overview	View information such as Real-time power, Generation bar chart, Top 10 plants ranking, Efficiency, Plants status and environmental contribution relative data etc.
Plants	View Plant List, Plant Name, Status/Communication, Real-time Power, Daily Generation, Capacity, Unit Generation, Username/Mail/Address, Plant Type and Function operation buttons.
Main Dashboard	Dynamic display plants generation in fullscreen to attract customers viewing your installations and show your company strength (You need manually set the plant which you want to show to others)
Reports	Generate the report of inverter generation and alarm according to your selected conditions.
Devices	Display the basic information of all devices(Inverter, Logger) which you purchased and divide them into installed and uninstalled two categories which is convenient to manage the devices movement. See details in chapter 7 Devices .
Alarm	View alarm plants and select them by different conditions.
System Setting	Account management relatives are located in this menu, including Internal organization management, Sub-distributor management, OEM configuration, and SN application approval.
	This button uses to add or delete the information blocks showing on the generation overview page.
	This button uses to switch the languages.
	Message reminder icon, there's an application waiting for your approval when this bell icon displaying in orange.
	Account setting button

4 Plants


Click "Plants" to enter the corresponding interface where information such as Plant Name, Status/Communication, Real-time Power, Daily generation, Capacity, Unit Generation, Username/Mail/Address, Plant Type and Function operation buttons are displayed.





Plant Name	Status/Communication	Real-time Power	Daily Generation	Capacity	Unit Generation	Username/Mail/Address	Plant Type	Function
Falgun Bhatt	Normal	3.77kw	21.00kwh	6.00kWh	3.50kWh/Wp	...	Residential Plant	
Hpv	Normal	2.51kw	16.00kwh	6.00kWh	2.67kWh/Wp	...	Residential Plant	
patel	Normal	12.05kw	58.10kwh	19.70kWh	2.95kWh/Wp	...	Residential Plant	
NEASE	Normal	15.21kw	83.80kwh	25.00kWh	3.35kWh/Wp	...	C&I Plant	
Arunbhai Raj	Normal	2.81kw	15.30kwh	6.00kWh	2.55kWh/Wp	...	Residential Plant	
Rajar Bhatt	Normal	2.12kw	11.10kwh	3.60kWh	3.08kWh/Wp	...	Residential Plant	
Agrawal Ravi	Offline	0.00kw	0.00kwh	4.20kWh	-	...	Residential Plant	
Alkaben Patel	Offline	0.00kw	0.00kwh	3.00kWh	-	...	Residential Plant	
Devendra Sha	Offline	0.00kw	0.00kwh	6.00kWh	-	...	Residential Plant	
Harish Thakk	Offline	0.00kw	0.00kwh	6.00kWh	-	...	Residential Plant	
Miraben Saur	Normal	3.03kw	16.40kwh	6.00kWh	2.73kWh/Wp	...	Residential Plant	
Manjrasad P.	Normal	2.75kw	13.90kwh	4.60kWh	3.02kWh/Wp	...	Residential Plant	
NEASE 2	Normal	13.64kw	72.10kwh	25.00kWh	2.88kWh/Wp	...	C&I Plant	
Rayaj Magan	Normal	4.71kw	24.40kwh	6.00kWh	4.05kWh/Wp	...	Ground Plant	

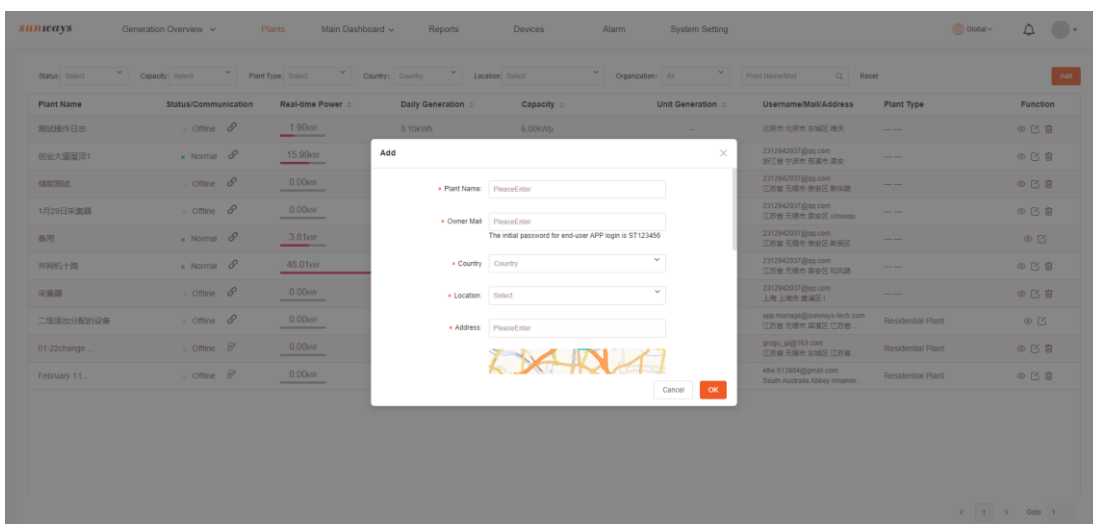
4.1 Plant Search Bar

Search category: You can search by Status, Capacity, Plant Type, Country, Location, and Organization, and the plants which meet your search conditions will be automatically displayed.

Exact search: Search by entering the exact Plant Name or User email and click the search icon  to view the result.

4.2 Add plant

Click the icon  in the upper right corner to go to the plant creation interface. Fill in all blanks that are required here and click the icon .



The 'Add' modal form contains the following fields:

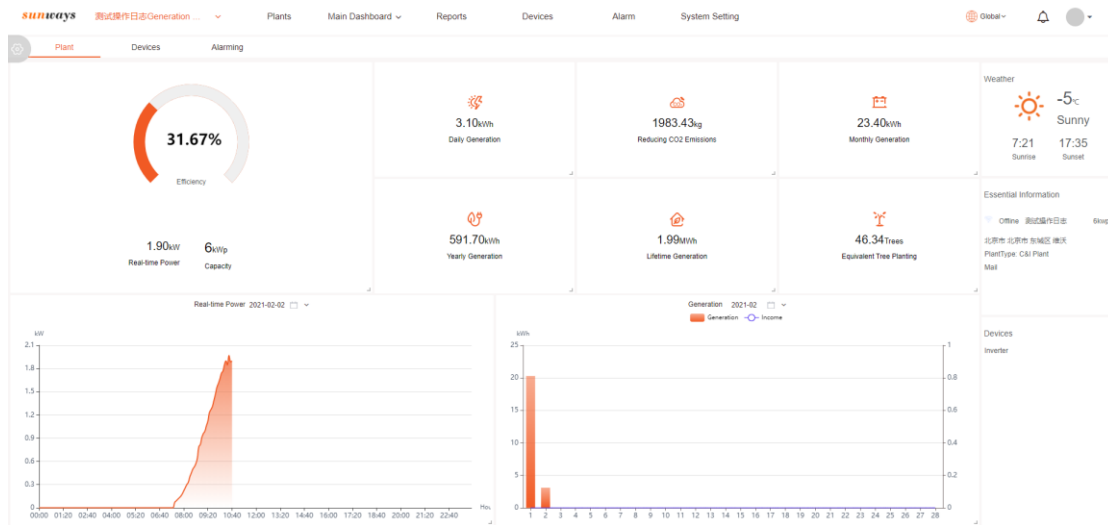
- Plant Name:
- Owner Mail: (Note: The initial password for end-user APP login is ST123456)
- Country:
- Location:
- Address:

Buttons: Cancel, OK

Note: If the email entered in the plant creation step was already registered by the end-user, the newly created plant will automatically appear to the end user's account. Otherwise, the system will automatic create a new end-user account with the account entered email and password ST123456.

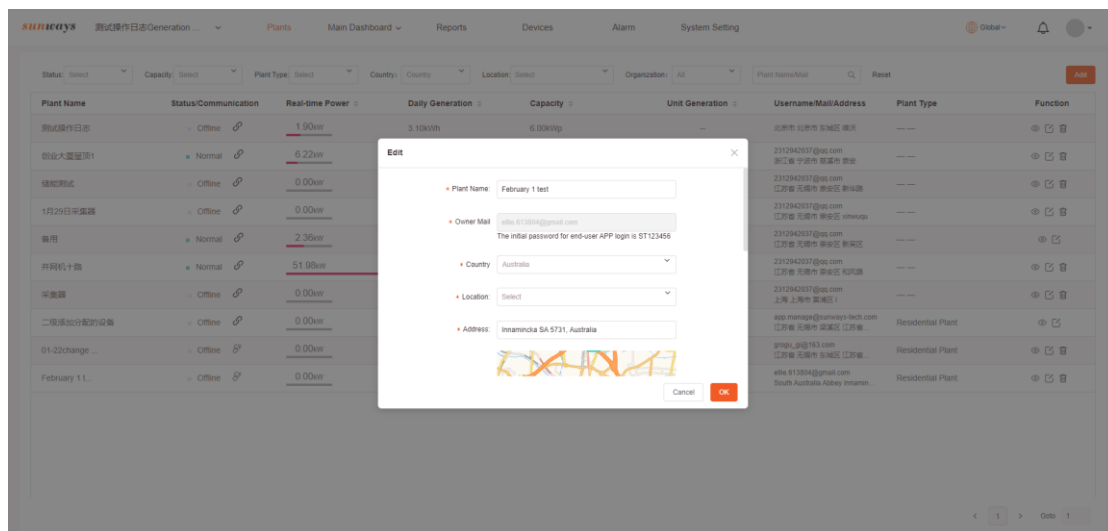
4.3 Detailed plant information

Click the icon in the function column to view the detailed plant information. See details in section [4.6 Detailed plant information](#).



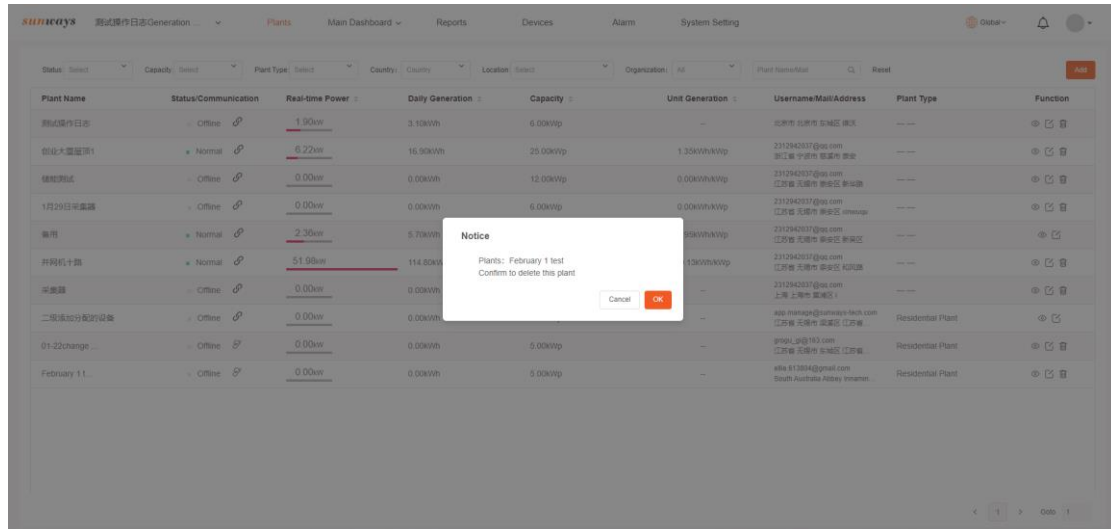
4.4 Edit plant

Click the icon in the function column to edit the plant information.



4.5 Delete plant

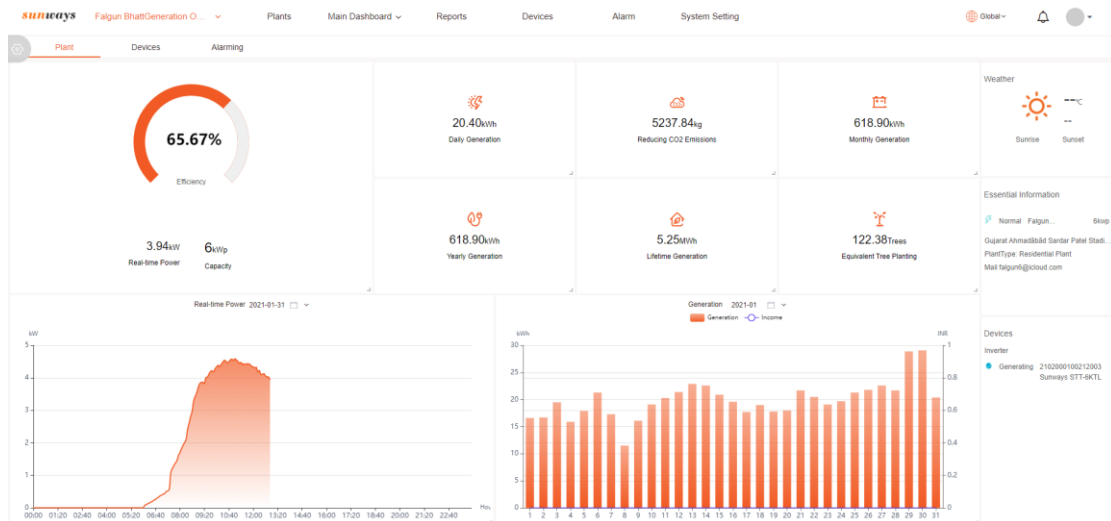
Click the icon in the function column to delete plant(Which account creates which account allows to delete it).



4.6 Detailed plant information

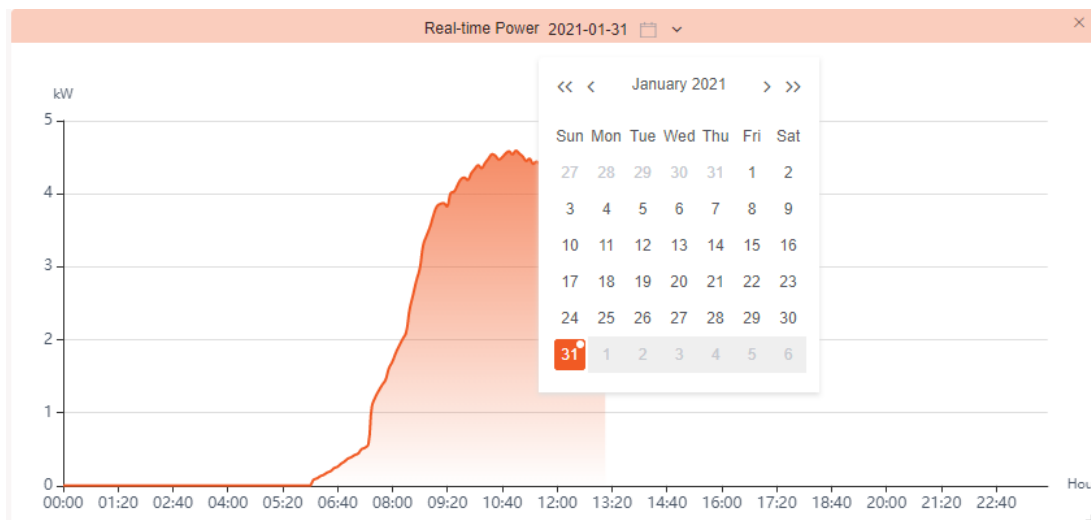
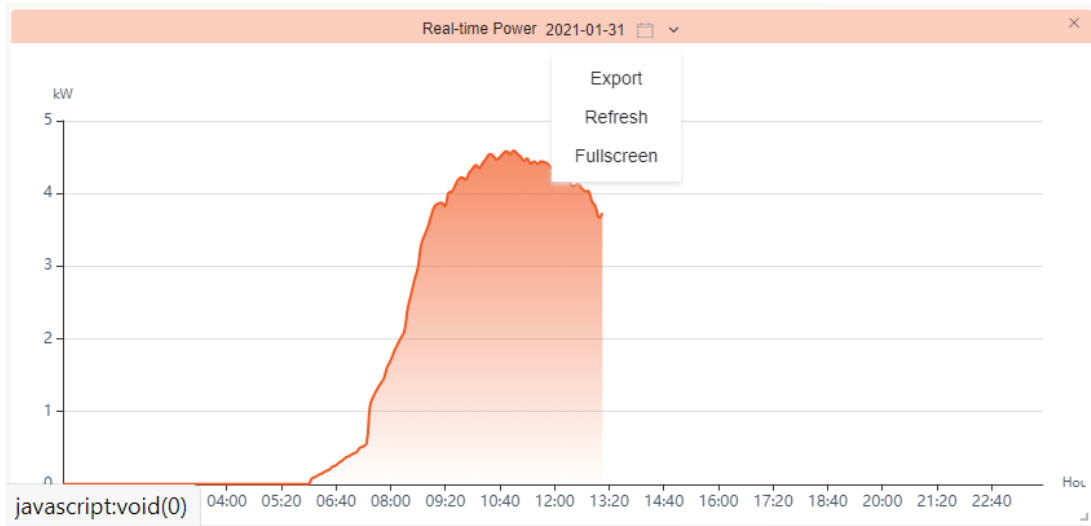
4.6.1 Single Plant Homepage

As mentioned in section 4.3 [Detailed plant information](#), click the icon can go to the detailed interface of a single plant where information such as Efficiency, Real-time Power, Generation bar chart, and other information is displayed.





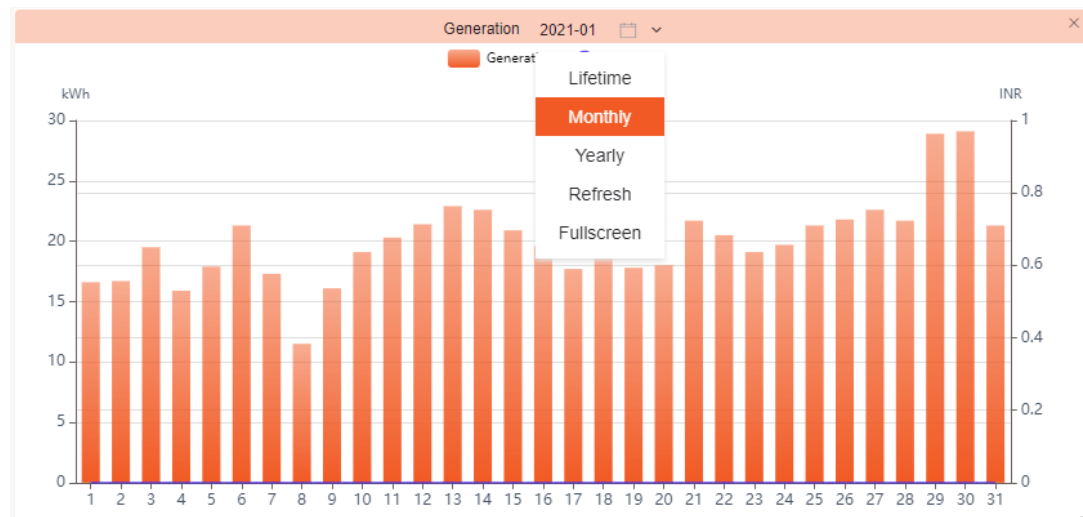
4.6.1.1 Real-time Power

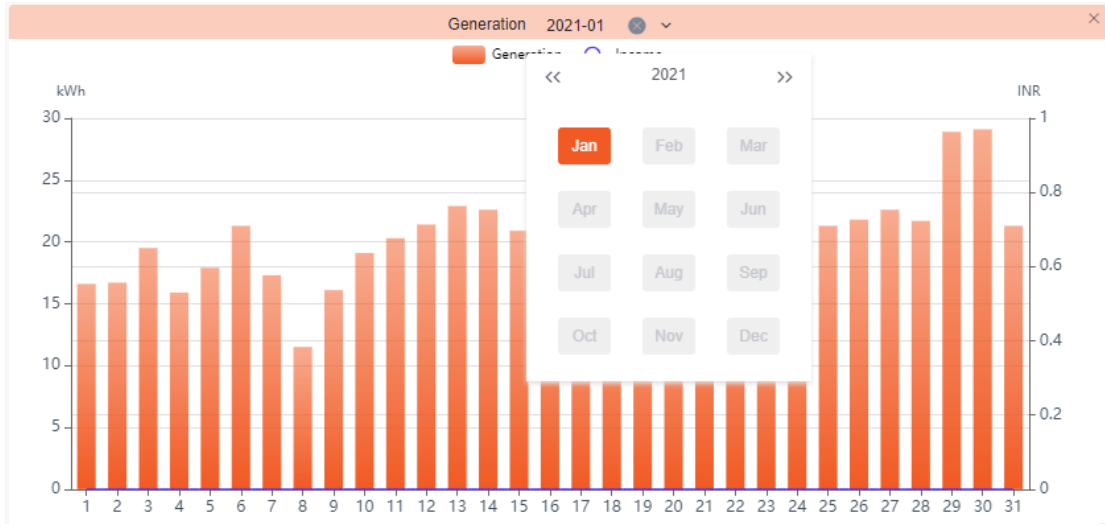
Click the icon to select Export the generation data, Refresh the page, or set this data block to Fullscreen. Click the calendar icon to check the other day's generation.



4.6.1.2 Plant Generation Data

Plant generation data can be viewed based on the time unit “Monthly”, “Yearly” and “Lifetime”. Click the icon  to switch the time unit and click the icon  to select the desired period.

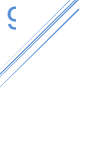




4.6.2 Plant Devices

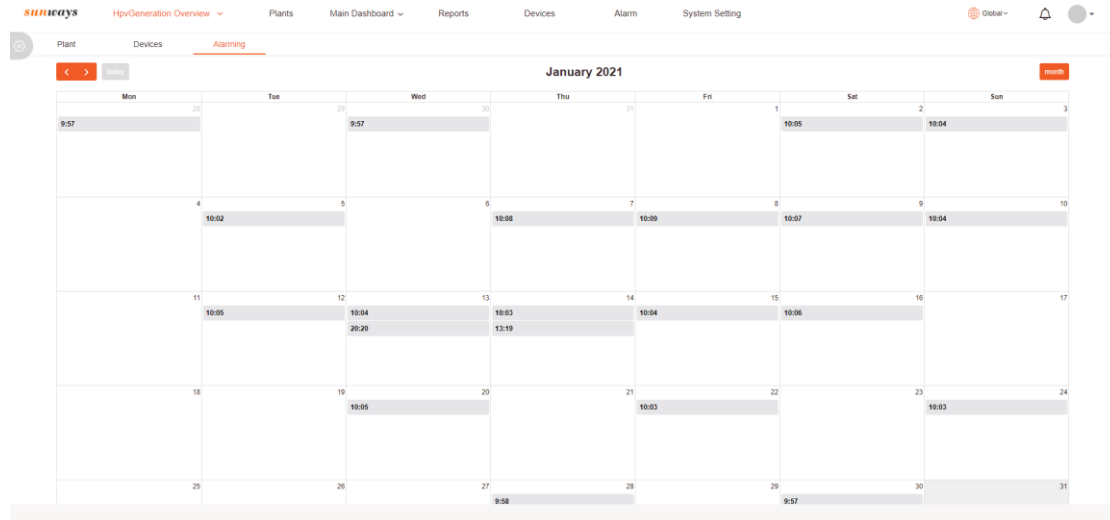
Click "Devices" on the right side of the plant to enter the device details interface. The interface will display the information such as Inverter list, Inverter basic information, and inverter specific parameters that include Real-time Power/Generation, DC Current, DC Voltage, AC Current, AC Voltage, Frequency.





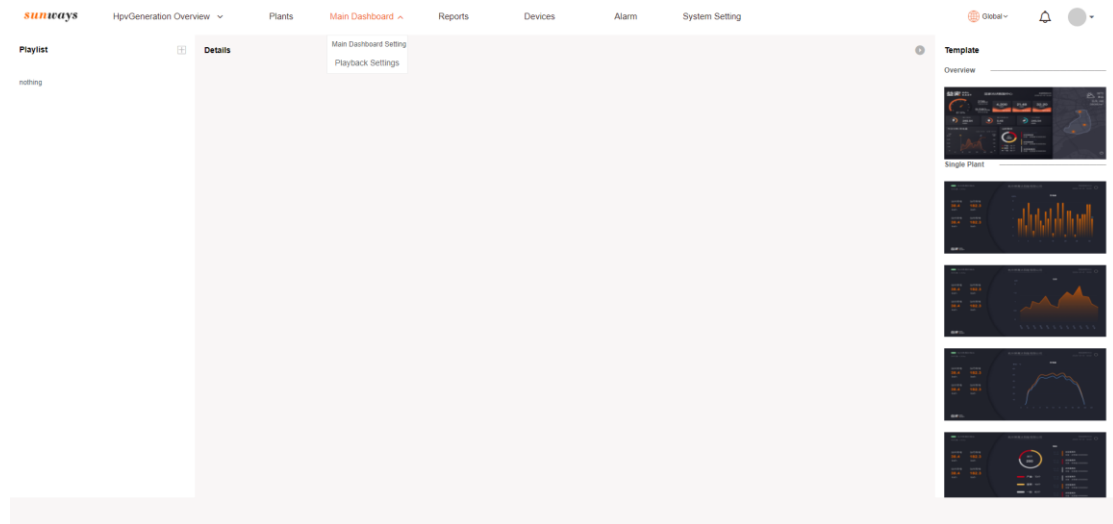
4.6.3 Alarming

Click "Alarming" to view the list of history alarms in this plant and click the gray time bar to check the detailed information of the alarm.



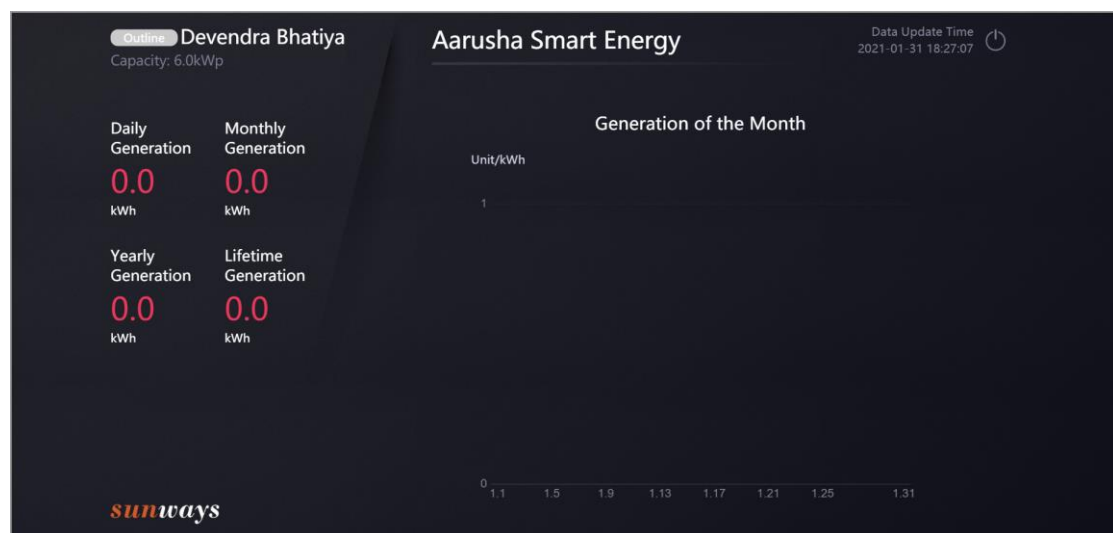
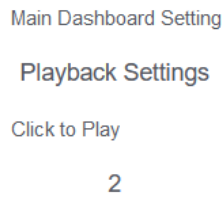
5 Main Dashboard

1. Click "Playback Settings" under the menu "Main Dashboard" to enter the main dashboard setting page, move the cursor to cards in the "Template" list and click "+" button to create your main dashboard.



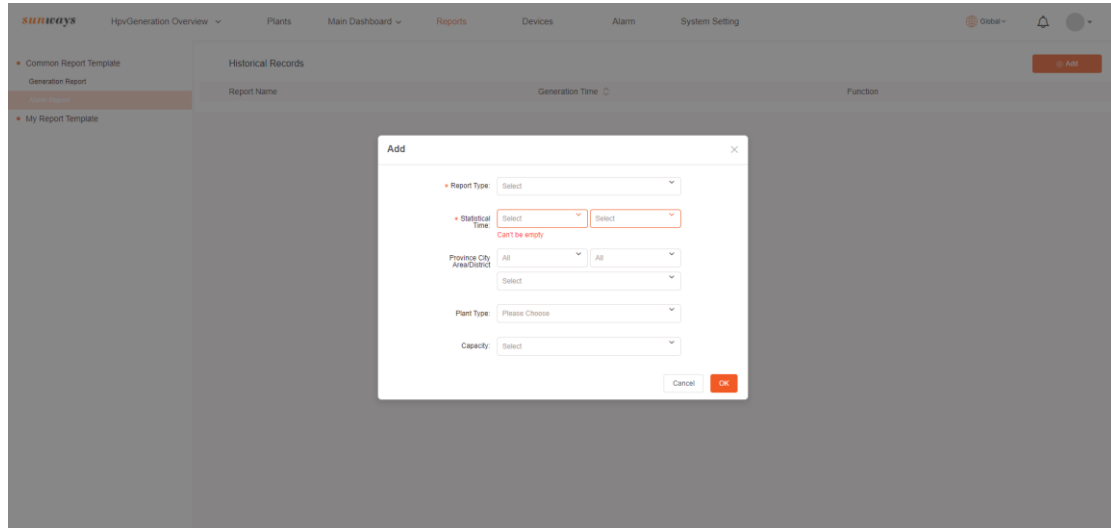
2. After a template is done, click the name of the template under the main dashboard menu to play this template in fullscreen.

Main Dashboard ^

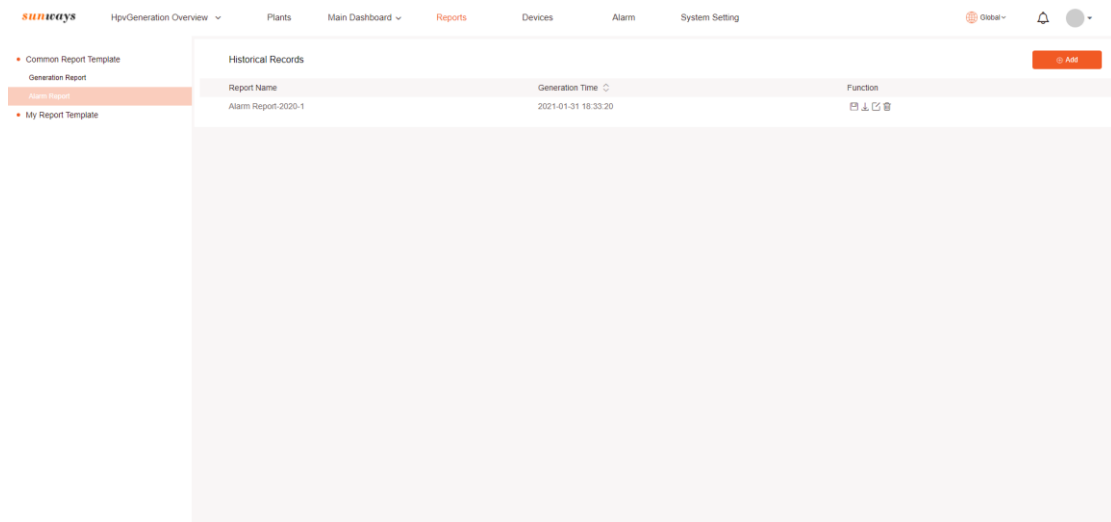


6 Reports

1. Click the “Reports” button to enter the report page, click "Add" and make selections according to your preference on the pop-up page, click “Ok” an report will be generated.

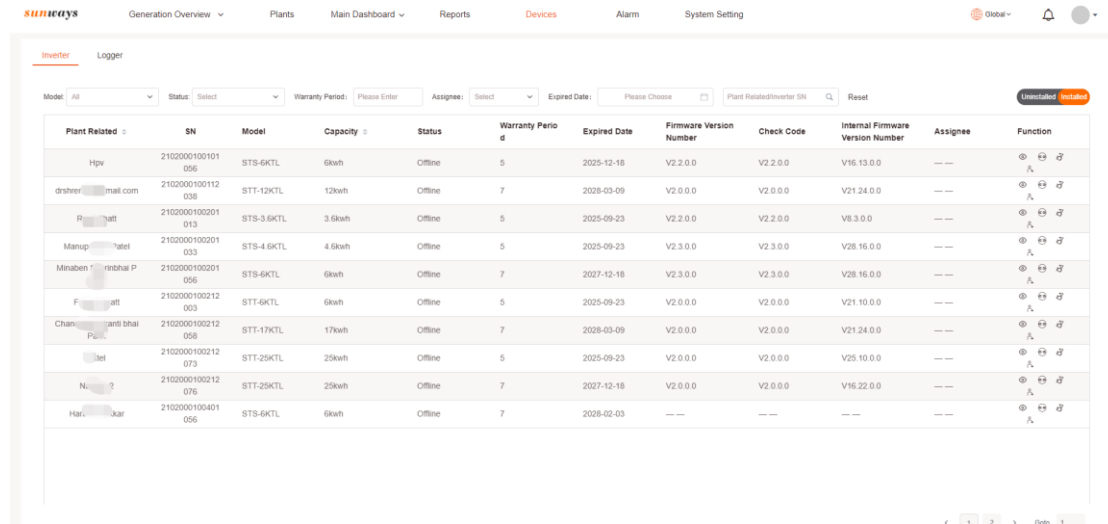


2. Click the "📄" icon to save to the report template. Click the "↓" icon to download the report in Excel format. Report editing and deletion are also supported.




7 Devices

Click "Devices" to enter the interface of the inverter which includes Plant Related, SN, Model, Capacity, Status, Warranty Period, Expired Date, Firmware Version, Check Code, Internal Firmware Version, Assignee, Function. Logger relative information also can be viewed by clicking the "Logger" button.




7.1 Devices Search Bar



Search category: You can search by Model, Allocate Status, Warranty Period, and Expired Date, and the devices which meet your search conditions will be automatically displayed.

Exact search: Search by entering the exact inverter SN and click the search icon  to view the result.

7.2 Device Category Switching


Click the button “  Logger ” to check the list of devices allocated to your account.

7.3 Installation Status List Switching

Click the button “   ” to check the list of installed devices and uninstalled devices separately.

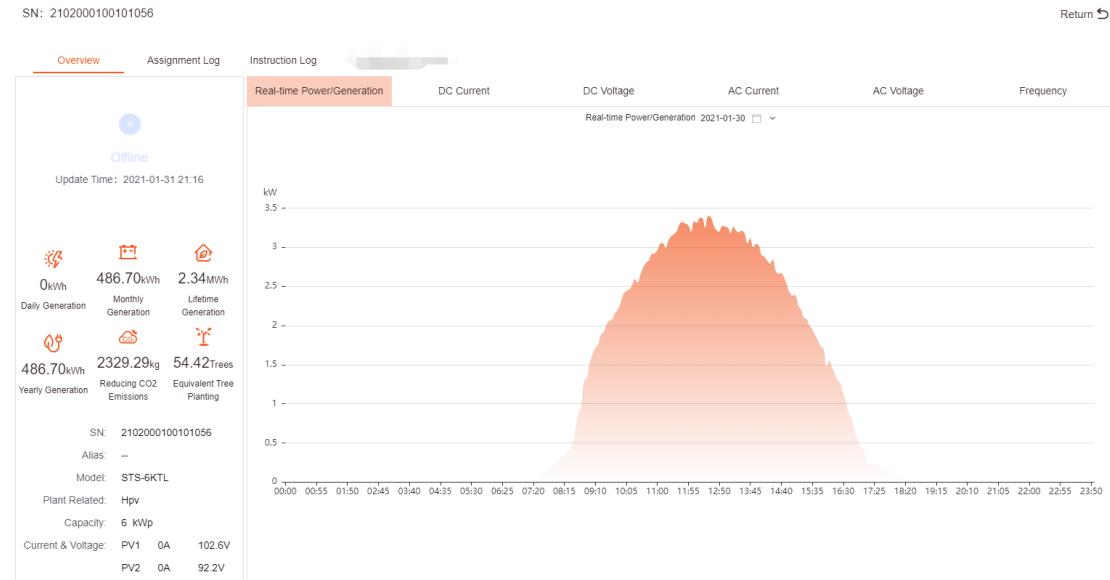
- Installed: Devices which have been added to the end-user’s plant.
- Uninstalled: Devices which haven’t been added to the end-user’s plant.

7.4 Detailed Device Information

Click the icon “  ” to enter the detailed device interface where information such as Overview, Assignment Log, Instruction Log, and Configuration records are displayed.

7.4.1 Overview

Click “Overview” to enter the corresponding interface where information such as Real-time Power/Generation, DC Current, DC Voltage, AC Current, AC Voltage, Frequency, and other information is displayed.



7.4.2 Assignment Log

The records of this device’s assignment can be viewed on this page.

Click “Assignment Log” to enter the corresponding interface where information such as Time, Operation Type, Operator, Assignee is displayed.

SN: 2102000100101056 Return ↶

Overview
Assignment Log
Instruction Log

Time	Operation Type	Operator	Assignee
No Data			

7.4.3 Instruction Log

The records of the issued instructions of this device can be viewed on this page.

Click “Instruction Log” to enter the corresponding interface where information such as Time, Instruction Content, Register Header Address, Parameter Value, and Status is displayed.

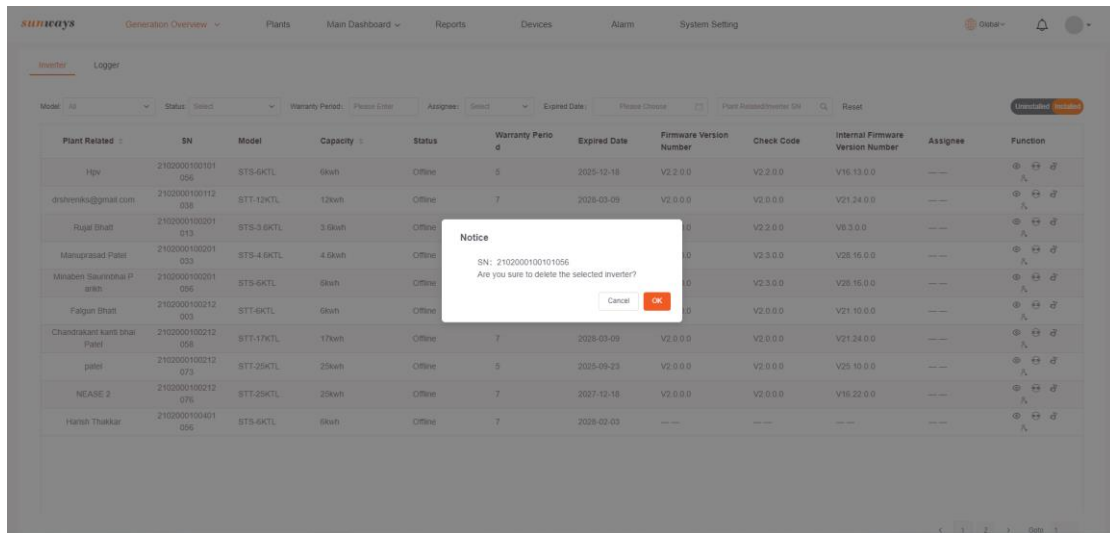
SN: 2102000100101056 Return ↶

Overview
Assignment Log
Instruction Log

Time	Instruction Content	Register Header Address	Parameter Value	Status
No Data				

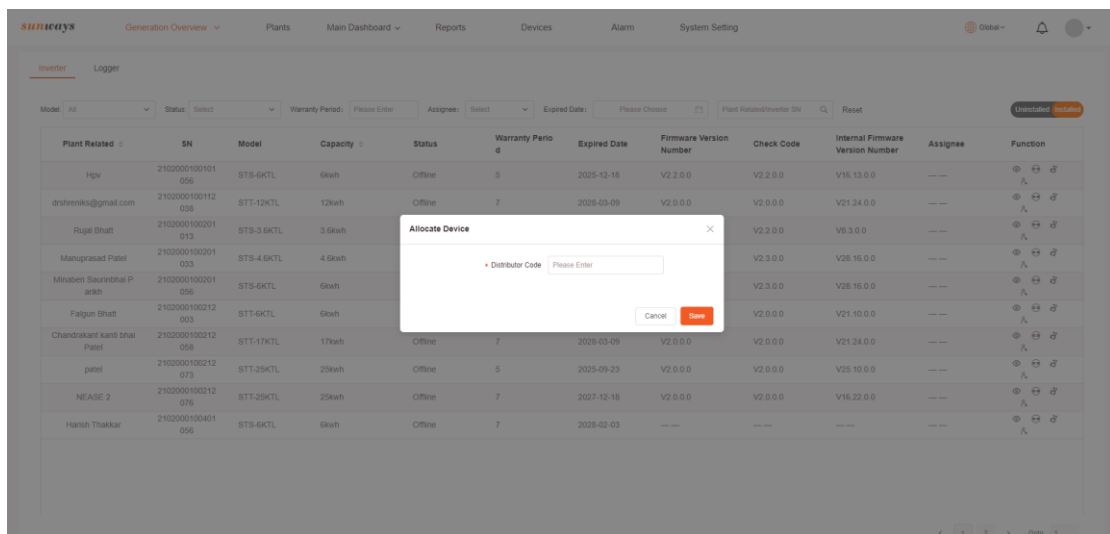
7.5 Unbind

Click the icon “” can unbind the device from the associated plant.

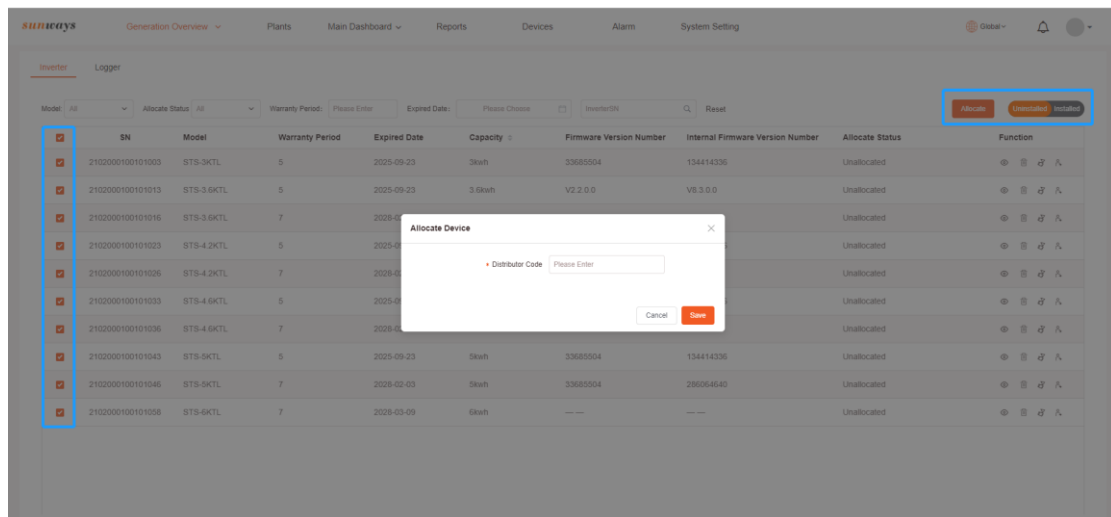


7.6 Allocate

Click the icon “” can allocate this device to the distributor/installer who purchased this device.



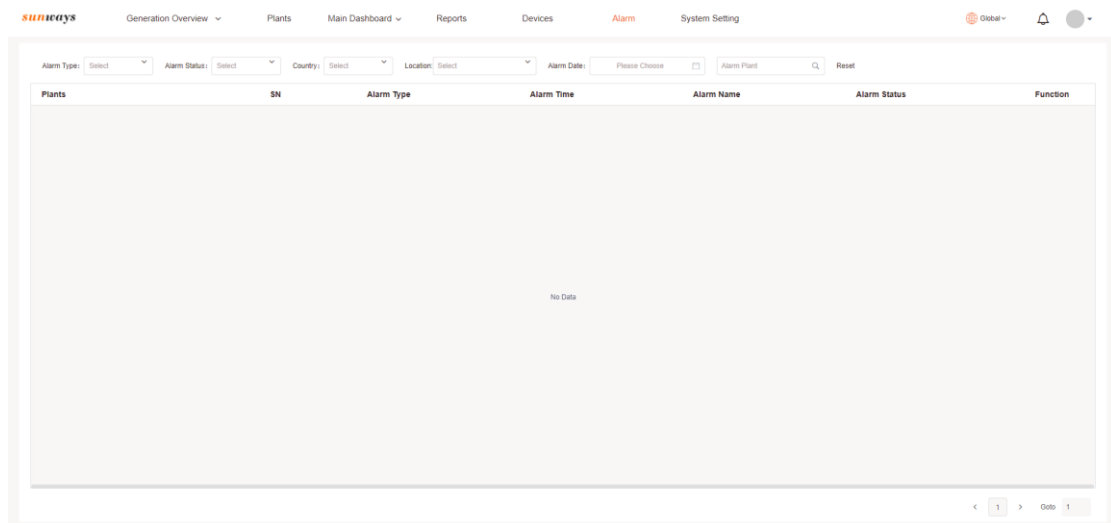
Note: Please confirm the distributor code you entered is correct while allocating the devices.



Note: Uninstalled devices allow batch allocating and installed devices don't.

8 Alarm

Click "Alarm" to enter the corresponding interface where information such as Plants, SN, Alarm Type, Alarm Time, Alarm Name, Alarm Status, and Function is displayed.



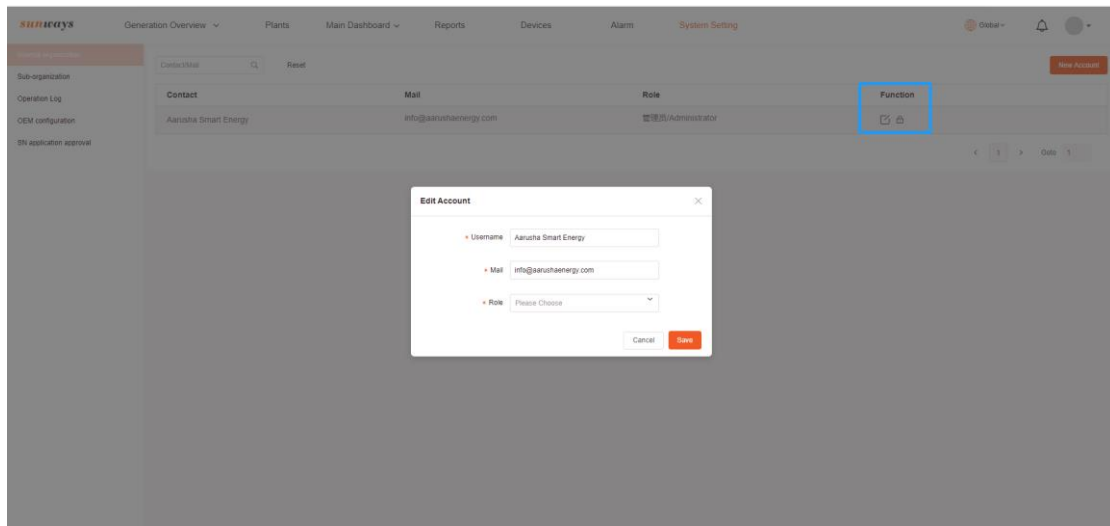
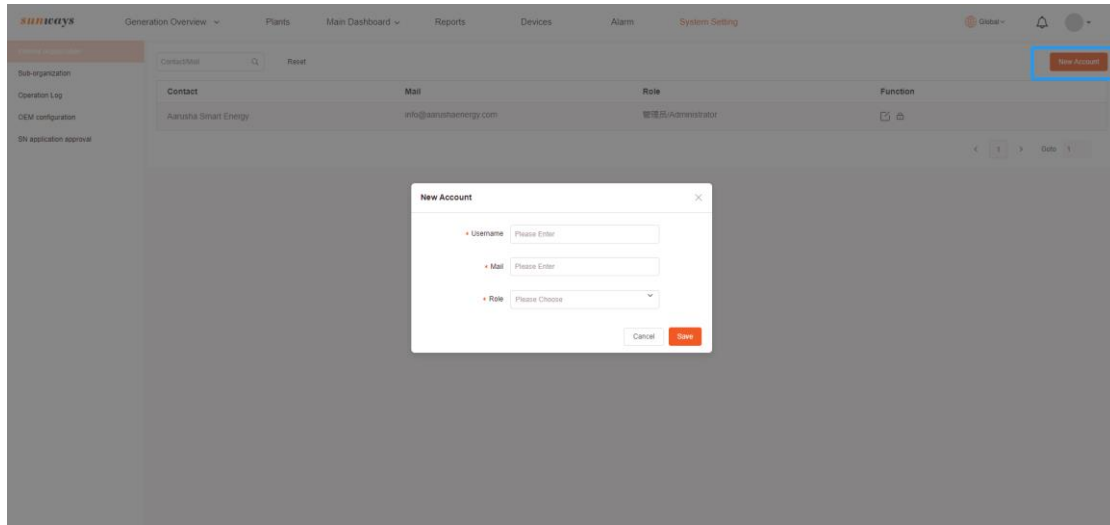
9 System Setting

Click "System Setting" to manage Internal organization, Sub-organization, OEM configuration, SN application approval.

9.1 Internal organization

This menu is designed for the distributor/installer's internal team management, and the Administrator account is permitted to create a new account for other team members by clicking the button "New Account". The administrator account also

allows to edit, delete and reset and other members' accounts.



Note: The default password of the account created under internal-organization is 123456.

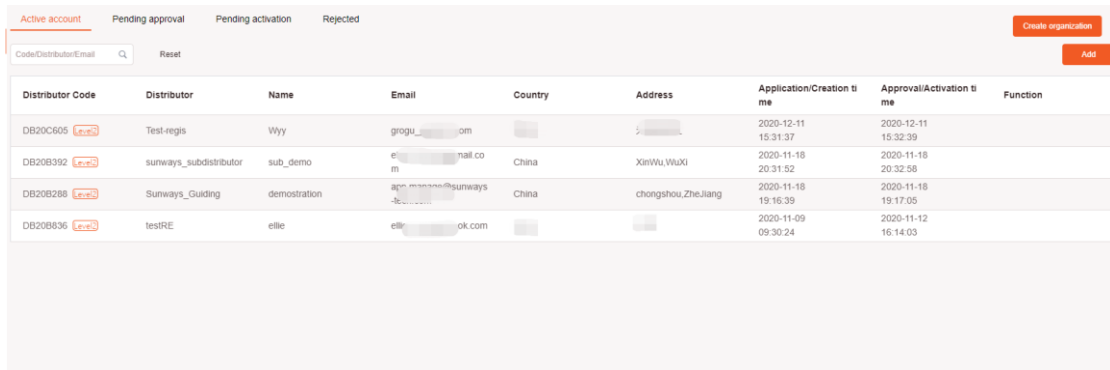
9.2 Sub-organization

This menu is designed for the distributor to display or manage its sub-level distributors and installers. There're four segments in this menu:

- Active account: Used to display the accounts which approved or activated.
- Pending approval: The account application that is done by the distributor or installer itself will be displayed in this menu waiting for approval, and after the application is approved it will move the menu "Active account".
- Pending activation: The sub-level account created by the distributor or installer needs to be activated by the sub-level account owner through email, and it will be displayed in this menu before the account is activated.

Note: The activation must be done within 7days after created, otherwise the account will be closed.

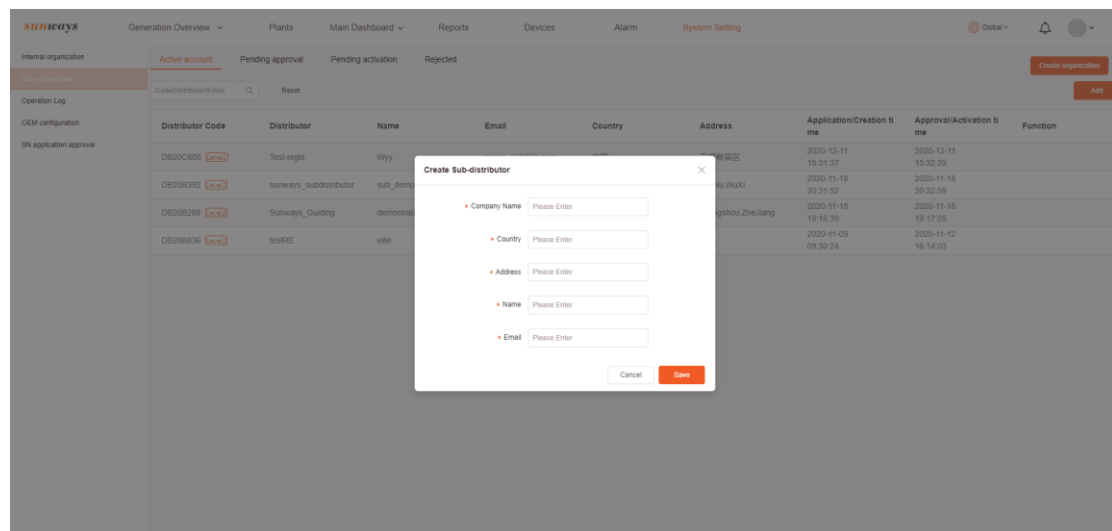
- Rejected: Rejected account will be displayed in this menu.



Distributor Code	Distributor	Name	Email	Country	Address	Application/Creation time	Approval/Activation time	Function
DB20C605	Test-regis	Wyy	grogu_@.com			2020-12-11 15:31:37	2020-12-11 15:32:39	
DB20B392	sunways_subdistributor	sub_demo	e@.mail.co	China	XinWu,WUxi	2020-11-18 20:31:52	2020-11-18 20:32:58	
DB20B288	Sunways_Guiding	demonstration	ap@.sunways-	China	chongshou,ZheJiang	2020-11-18 19:16:39	2020-11-18 19:17:05	
DB20B836	testRE	ellie	ellie@.ok.com			2020-11-09 09:30:24	2020-11-12 16:14:03	

9.2.1 Create Sub-distributor

The “Administrator” account allows managing the sub-level distributor or installer account which includes creating and approving.

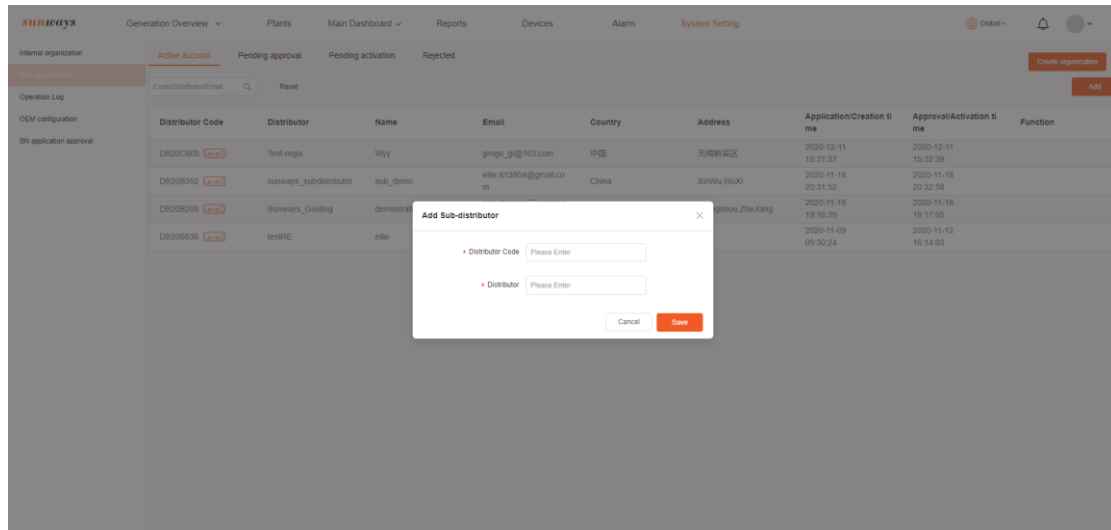


Note: The default password of the account created under the sub-organization is STDE1993, and the sub-level distributor/installer has to access the link in their email for account activation.

9.2.2 Add Sub-distributor

If you have a distributor or installer who already has an account in Sunways monitoring system, you can directly add their account to your sub-organization by using their distributor code, and their account will be displayed in the list of “Active account” after completed.

Note: The addition of sub-distributor has to be processed in the administrator account.



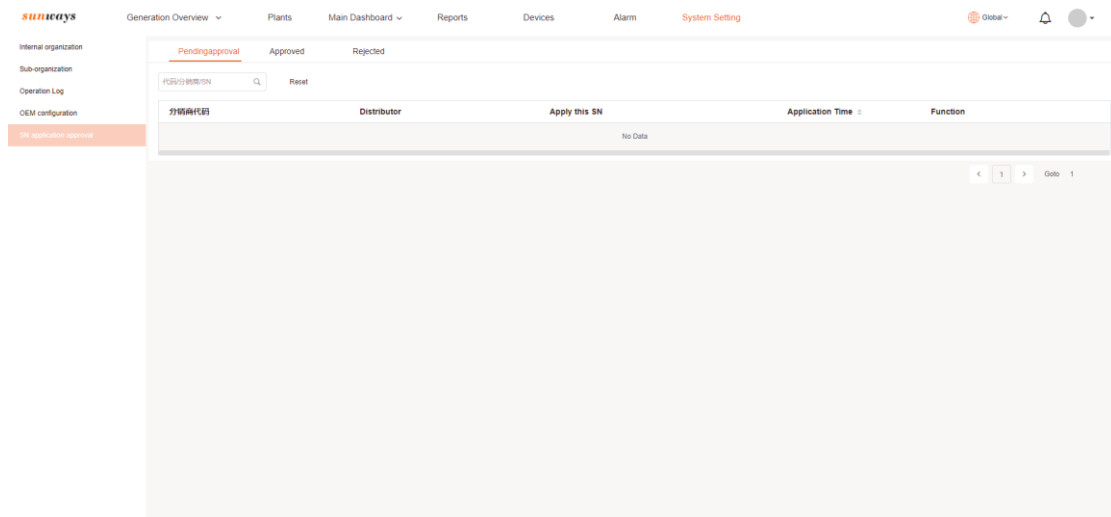
9.3 OEM configuration

OEM customer account configuration menu. Please operate under the guidance of Sunways team.

9.4 SN application approval

The distributor has to allocate the SN of all devices to its sub-level distributor or installer account according to the actual orders at the time of delivery. If the distributor forgot to allocate the SN, the sub-level customer will send you a SN application request which will be displayed in this list in the monitoring system.

If the applied SN is confirmed to sell to this customer, please approve it within a week, and otherwise, you can reject it.



---END---