WEB
User Manual

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1 About This Manual

1.1 Purpose

This manual provides an overview and operation steps for using the M-Cloud web platform, aiming to help you use the platform effectively. Hereinafter, unless otherwise stated, the platform will be referred to as M-Cloud or Web.

1.2 Audience

This manual is intended for distributors and installers.

1.3 Scope of Application

This manual applies to micro inverters and gateways.

1.4 Symbols

NOTE: This symbol indicates additional information for emphasis or supplement to the main text.。

1.5 Revision History

Here are the main changes between this version and the previous one.

Version	Date	Description
V2.0	2025.05	Update

2 Product Information

2.1 M-Cloud Introduction

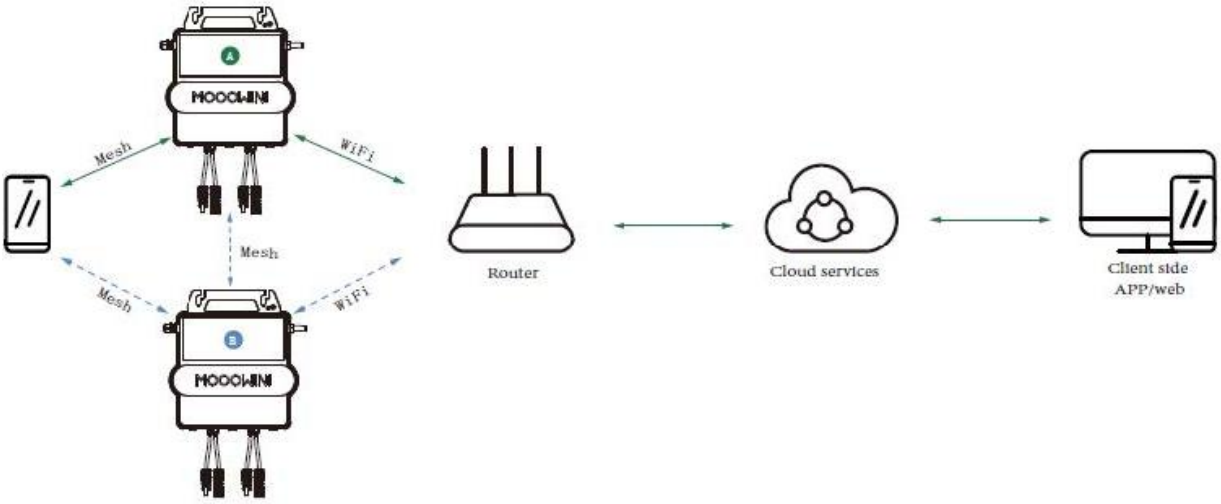
M-Cloud is an intelligent platform for monitoring and managing your photovoltaic system. It offers functions such as device operation tracking, visual layout, remote parameter settings, alarm information, power generation, and revenue analysis. The platform also ensures remote operation and maintenance (O&M) to optimize overall efficiency.

M-Cloud can be viewed on mobile applications and web ends, with the interface varying according to your role. The Installer interface is for installers and distributors, providing customized functions.The Owner interface is for end-users, focusing on ease of use and simplicity. This manual mainly introduces using the APP on mobile devices. For detailed web operation information, refer to the "M-Cloud (Web) User Manual" (Global Edition) V202520。

2.2 System Composition

A typical MOCOWINI micro inverter system consists of three main components: micro inverter, gateway, and M-Cloud. The gateway can be fixed in the micro inverter.

The inverter converts DC power to AC power and sends performance data to the gateway. Then the gateway transmits this data to M-Cloud. Finally, M-Cloud allows you to monitor the system's performance online and provides diagnostic tools for effective system management.。



3 Registration & Login

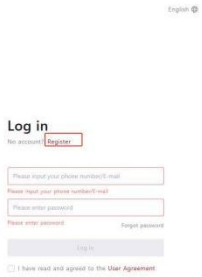
3.1 Login Page

Enter the URL below to open the Web login interface:

https://mocowini.inteless.com/login

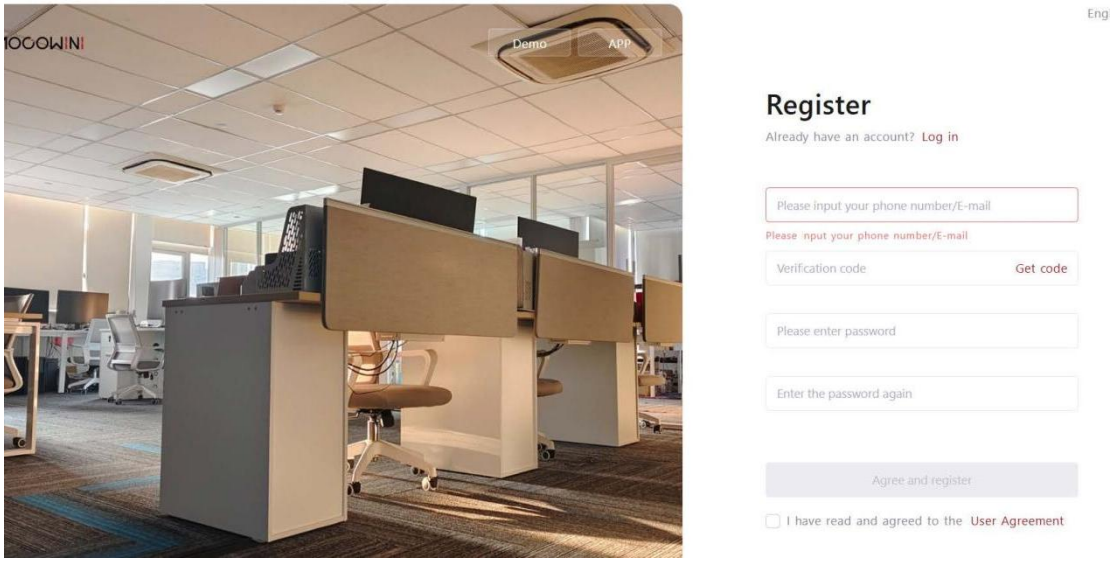
3.2 Registration

Click "Register" on the right side of the page to enter the registration page.

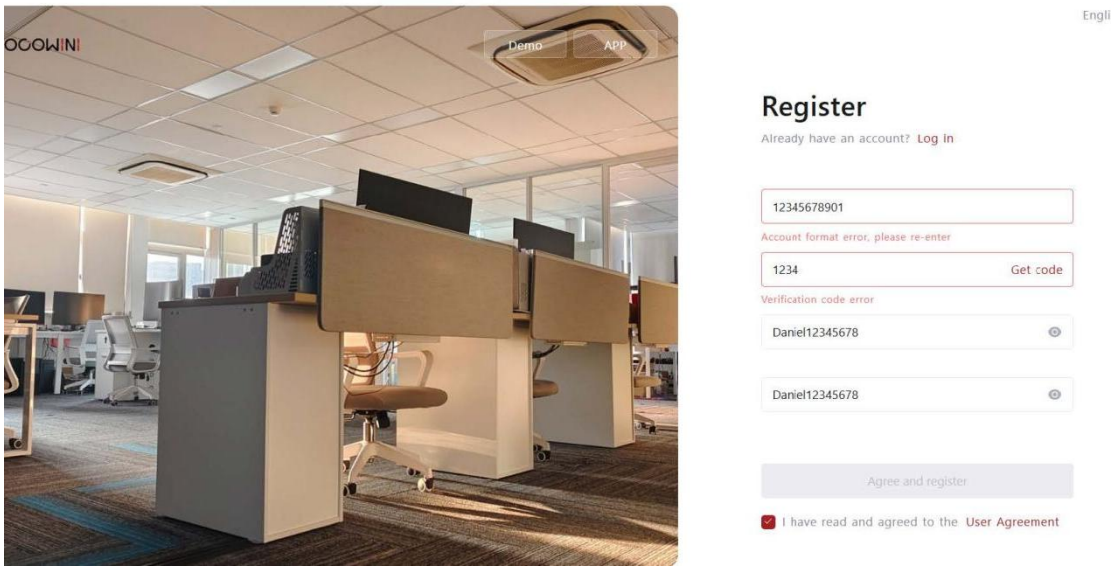


3.2.1 Mobile Number Registration

After entering the registration page, fill in your mobile number, click "Get Code" to receive a verification code on your phone. Fill in the password as required, repeat the password, check "I have read and agreed the User Agreement," and finally click "Agree and Register" to complete the registration.

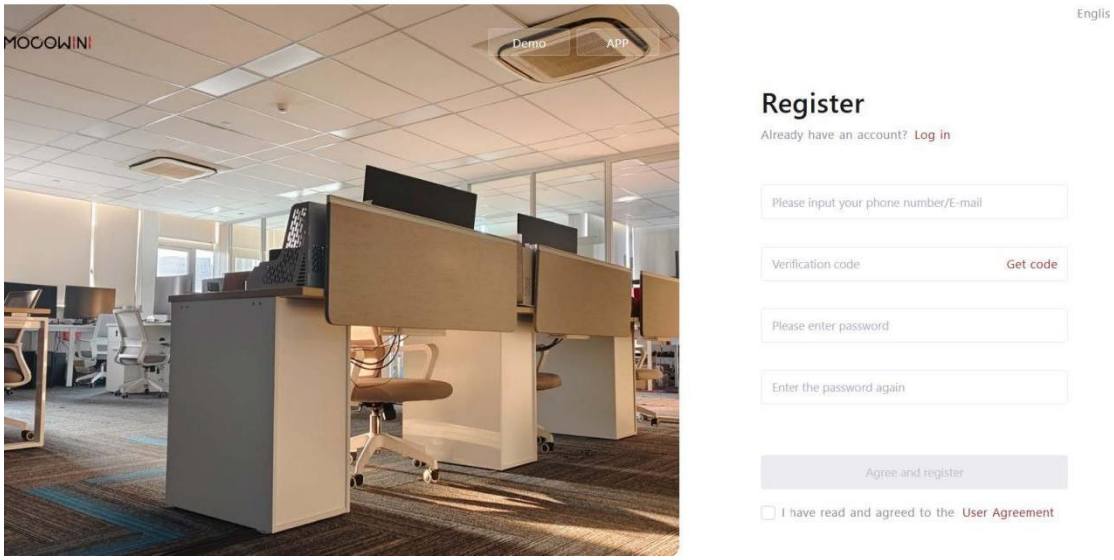


If you are worried about repeated password writing errors, you can click the "eyes" on the right side of the password input box to see directly.

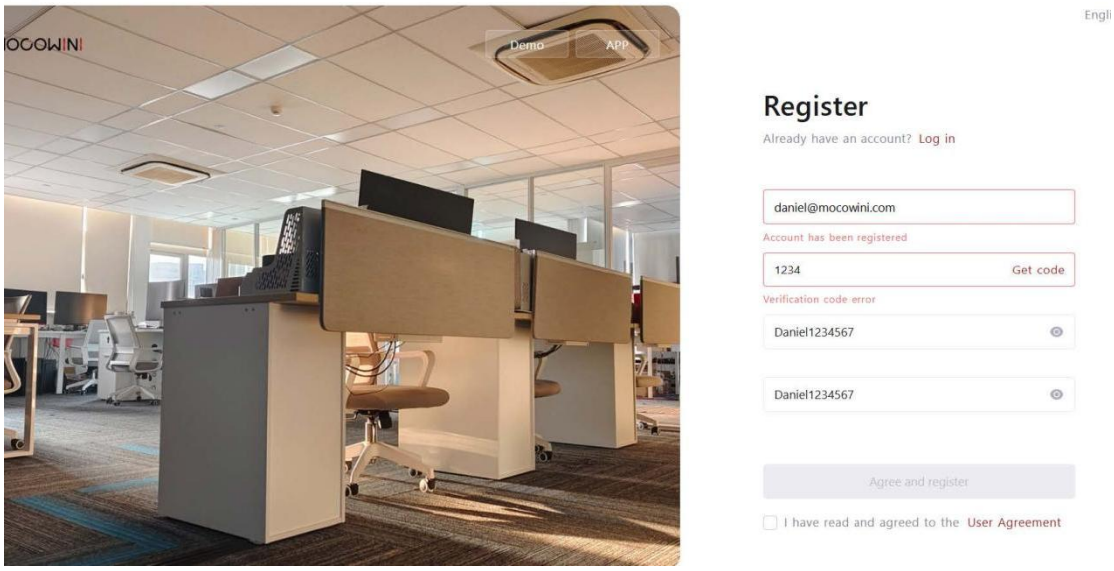


3.2.2 Email Registration

After entering the registration page, fill in your email account, click "Get Code" to receive a verification code in your email. Fill in the password as required, repeat the password, check "I have read and agreed the User Agreement," and finally click "Agree and Register" to complete the registration.



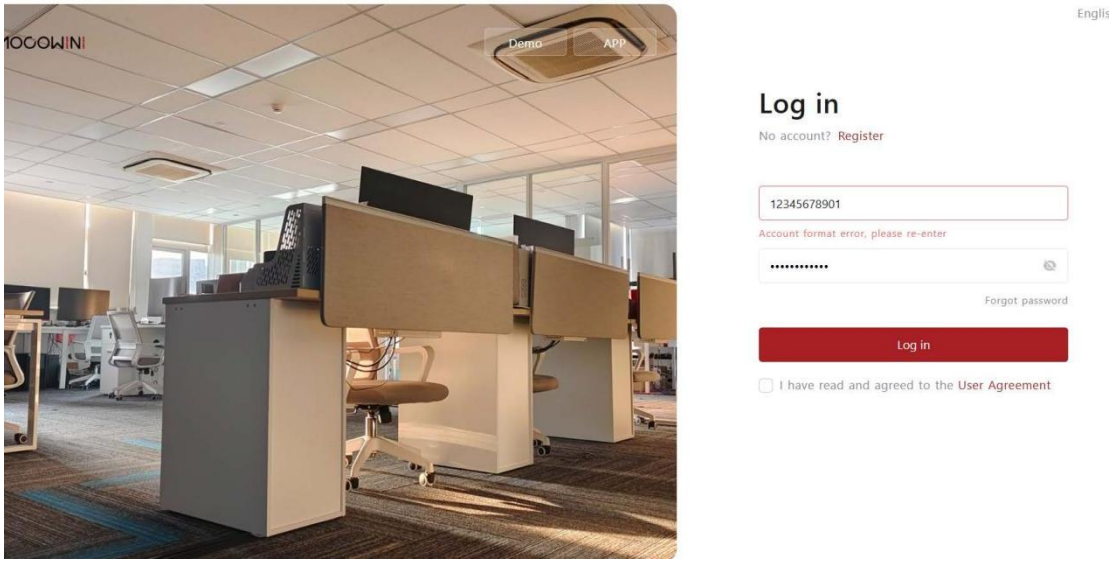
If you are worried about repeated password writing errors, you can click the "eyes" on the right side of the password input box to see directly.



3.3 Login

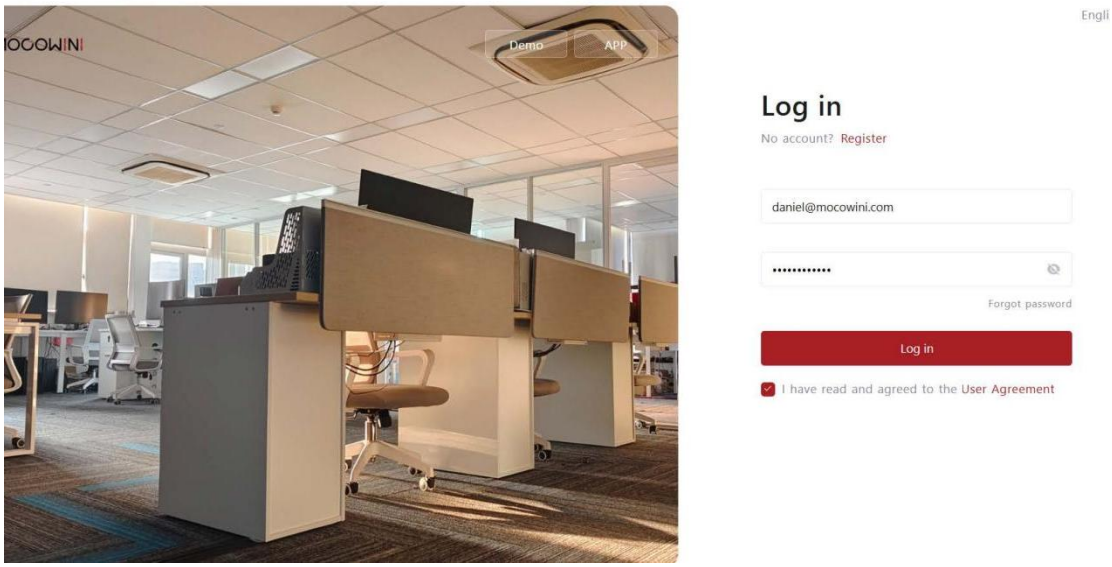
3.3.1 Mobile Number Login

On the login page, enter your mobile number, registered password, check "I have read and agree to the user agreement," and finally click "Log in" to complete the login.



3.3.2 Email Login

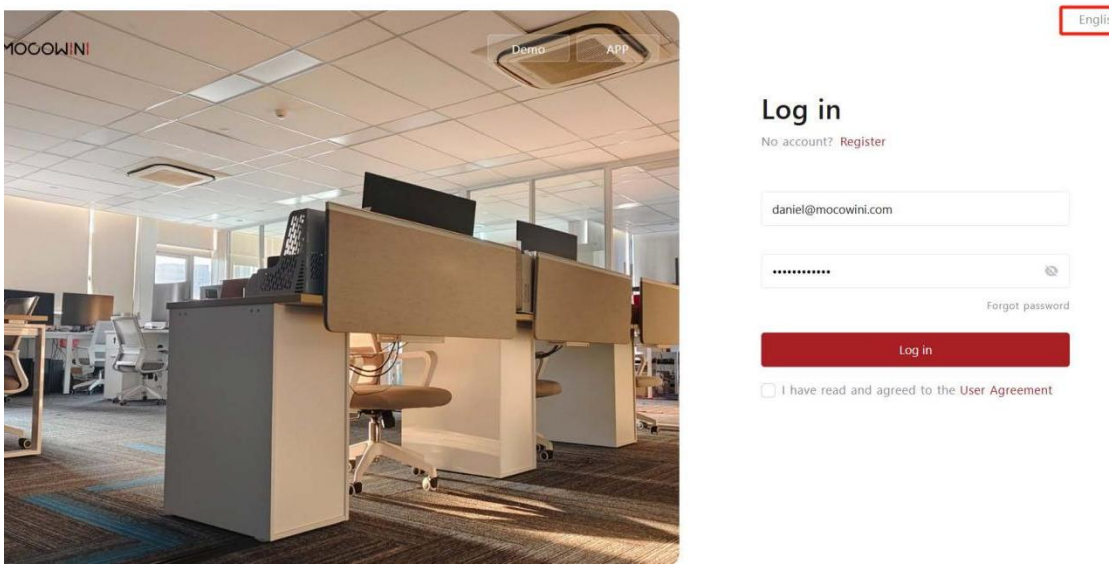
On the login page, enter your email account, registered password, check "I have read and agree to the User Agreement," and finally click "Login" to complete the login. Remember to include the suffix, such as @qq.com for QQ email or @163.com for 163 email.



3.3.3 Other Functions

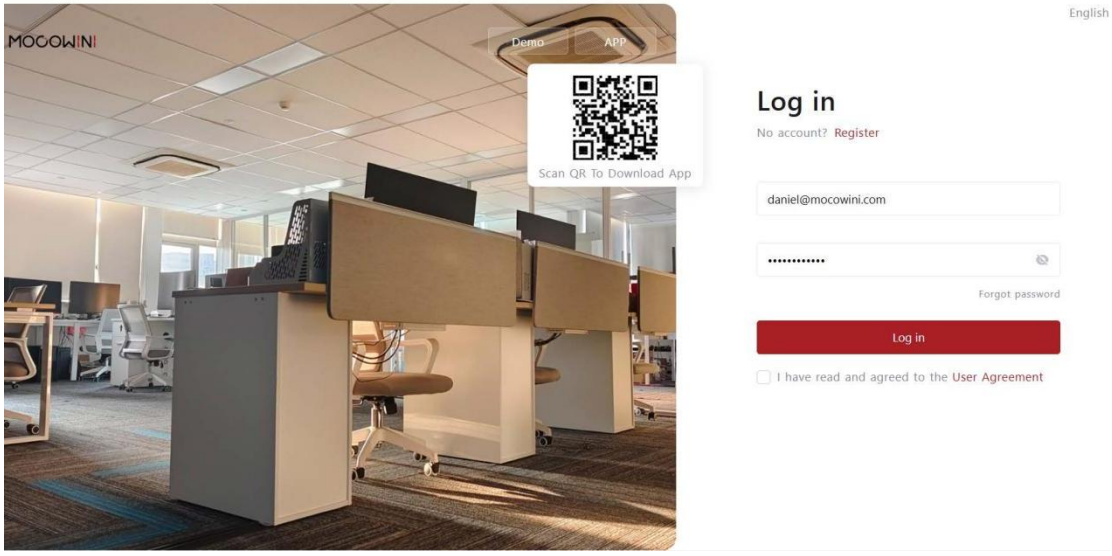
Language Function

In the top right corner of the login page, the default language is Chinese, and you can choose other languages like English.。



App Download

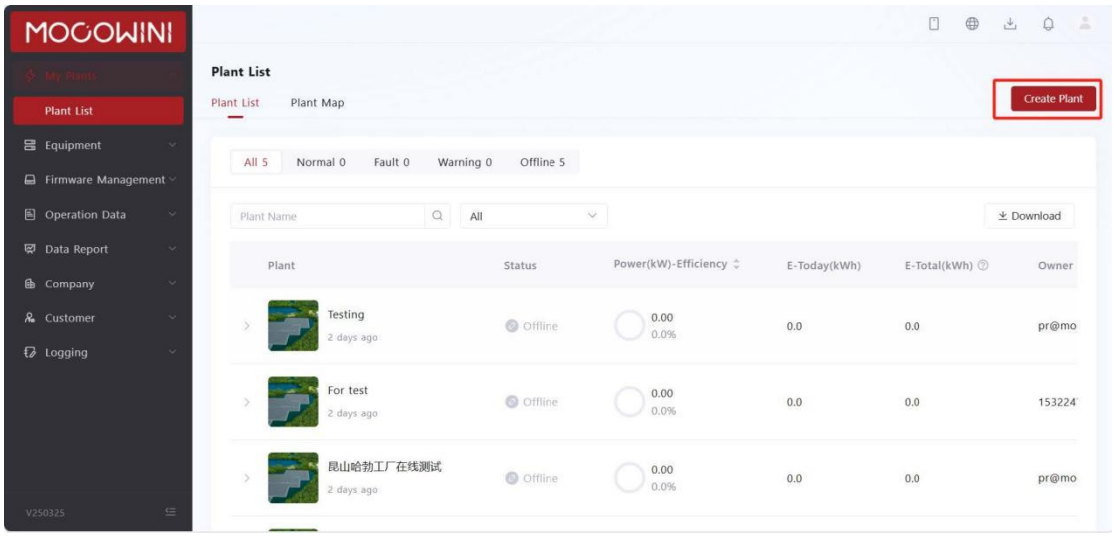
Clicking "APP" on the right side of the page will show a dropdown with a QR code, which can be scanned using a browser, WeChat, or other smart scanning methods.



4 My Plant

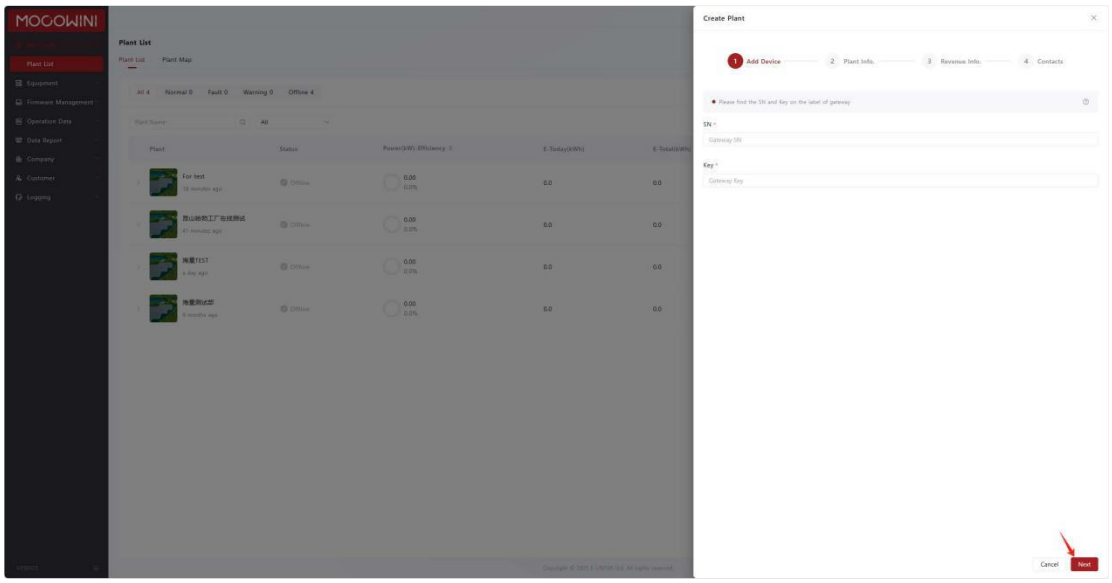
4.1 Creating a plant

After logging in, you'll enter the "Plant List" interface by default. Click "Create Plant" in the top right corner to create your own plant.



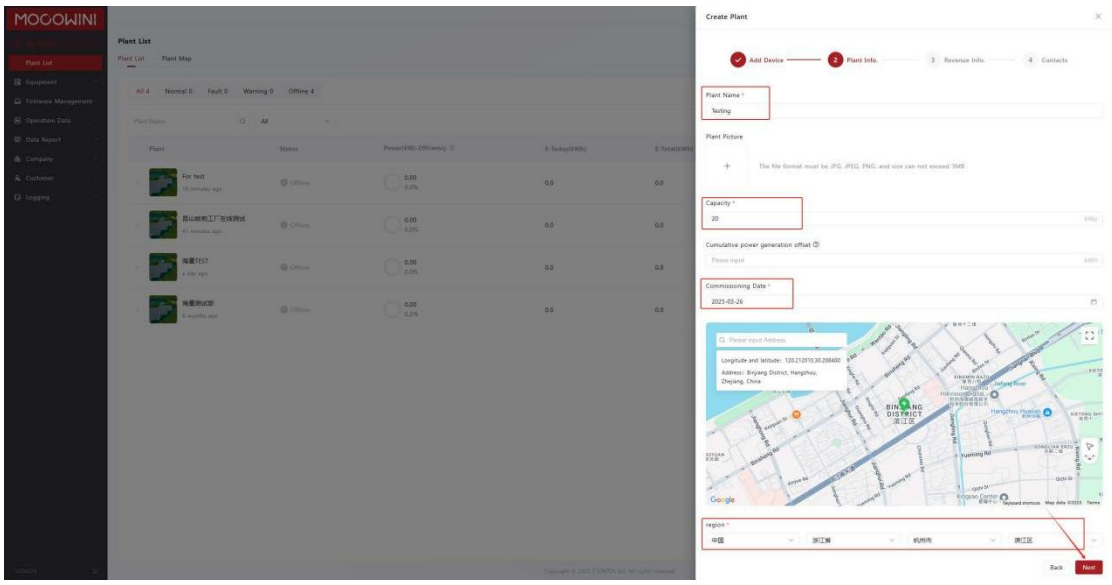
4.1.1 Binding Equipment

Enter the data gateway's serial SN and Key, click "Next" in the bottom right corner, and proceed to the next step.



4.1.2 Plant Information

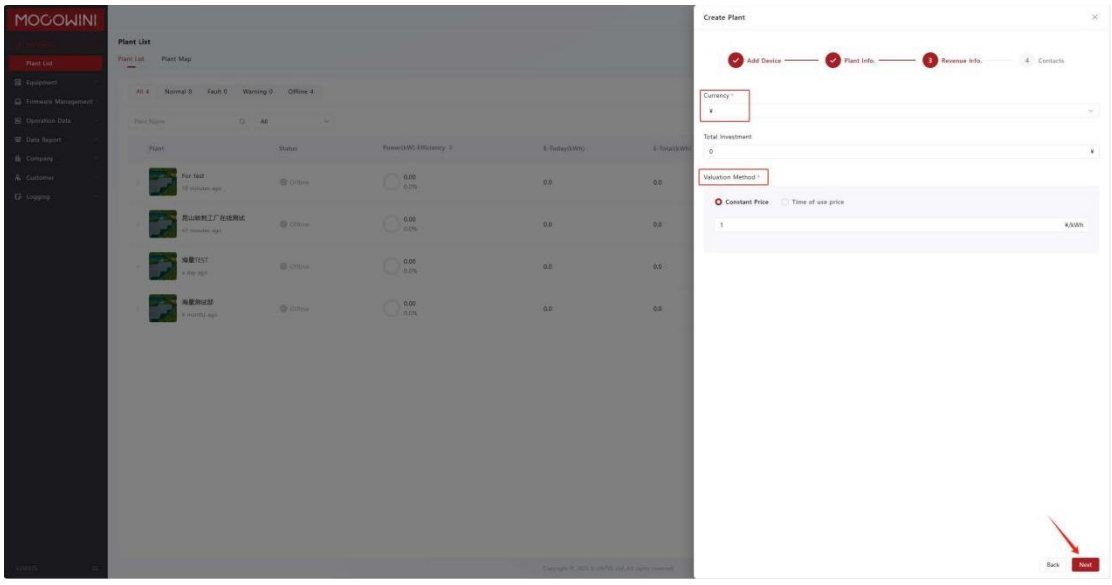
On the "Plant Information" page, input the required information. After filling in the items marked with "*", click "Next" in the bottom right corner to proceed to the next step.



Note: You need to check the box below the "Region" to proceed to the next step. If the plant name doesn't meet the requirements and needs modification, there's a tutorial later in the document.

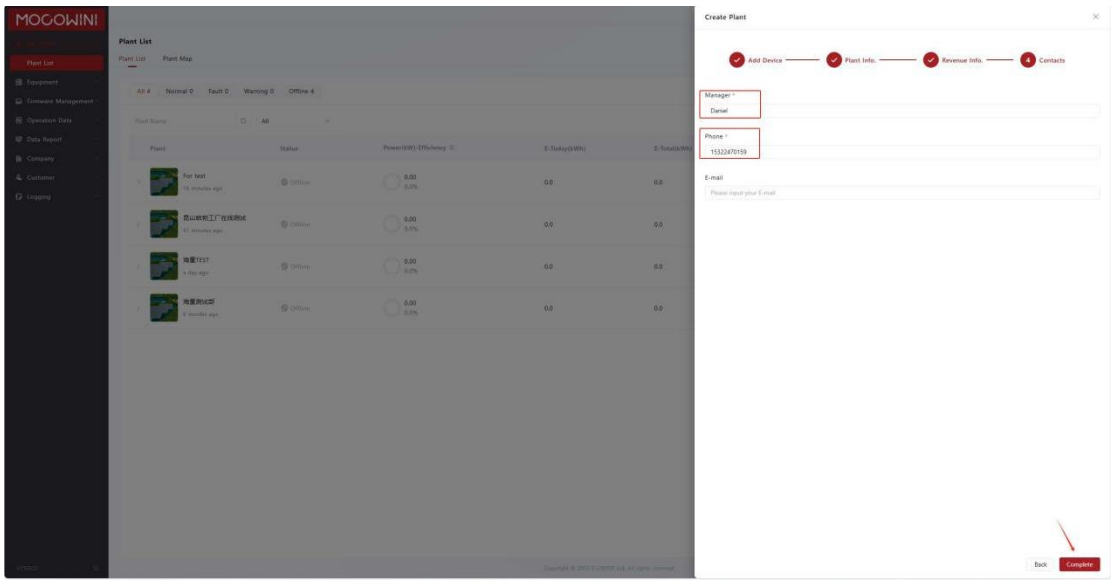
4.1.3 Revenue Information

After reaching the "Revenue Information" page, select the "Currency" (default is "¥" for Chinese Yuan) and the "Valuation Method" (default is "Constant Price"). Fill in the required information and click "Next" in the bottom right corner.



4.1.4 Contact Person

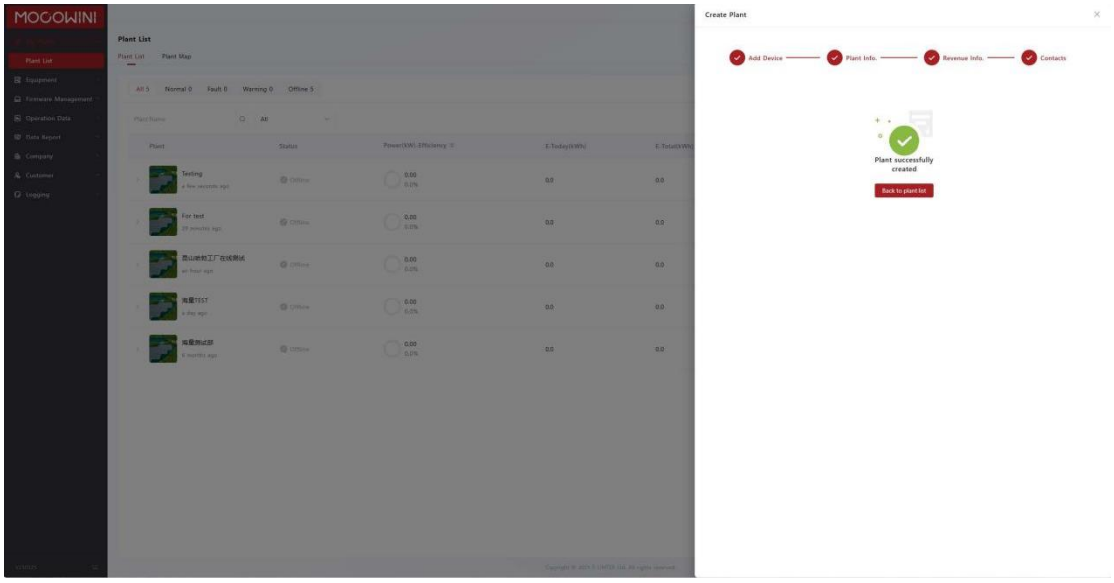
Finally, fill in the contact person's phone number for the plant, then click "Complete" in the bottom right corner to finish creating the . Currently, only mobile numbers can be entered.



NOTE: Please fill in the contact person's phone number correctly; otherwise, it will be difficult to find the contact person if issues arise.

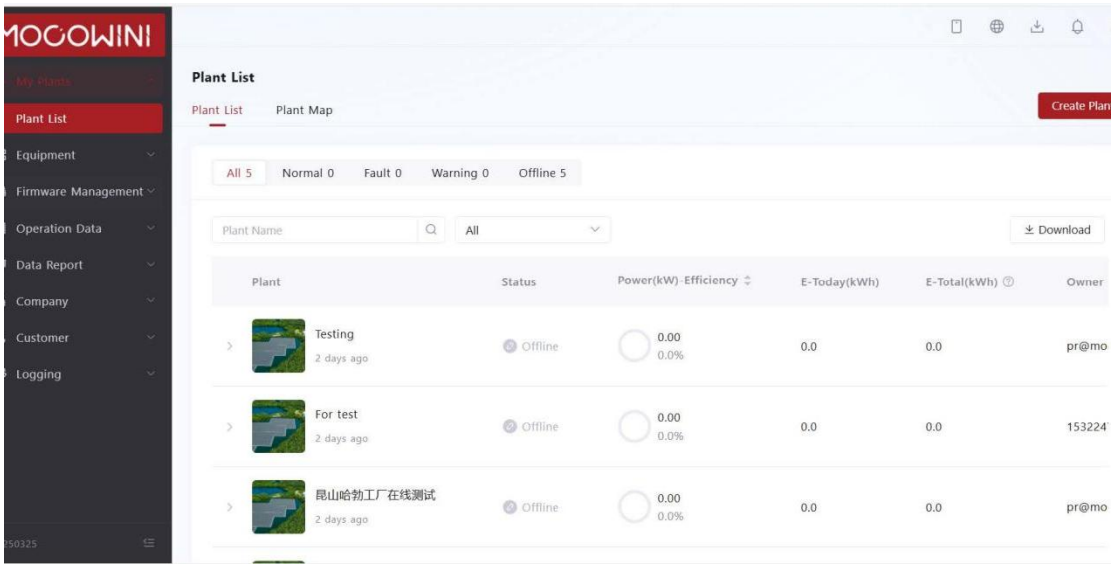
4.1.5 Completing Creation

After completion, a prompt "Plant Successfully Created" will appear.



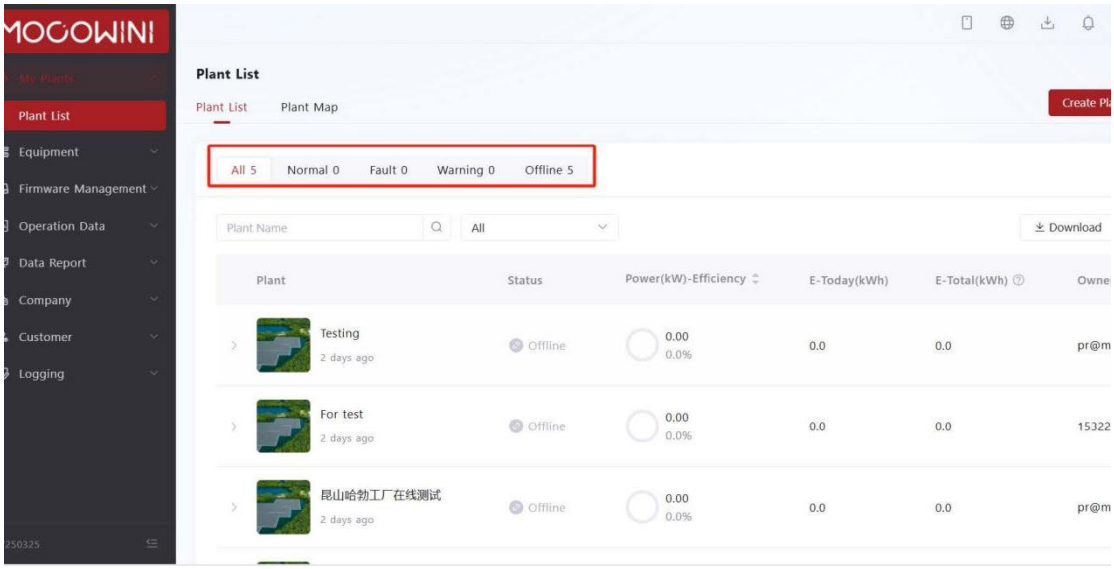
4.2 Plant List

After logging in, you'll enter the "Plant List" interface by default, where you can see the plants you've created.



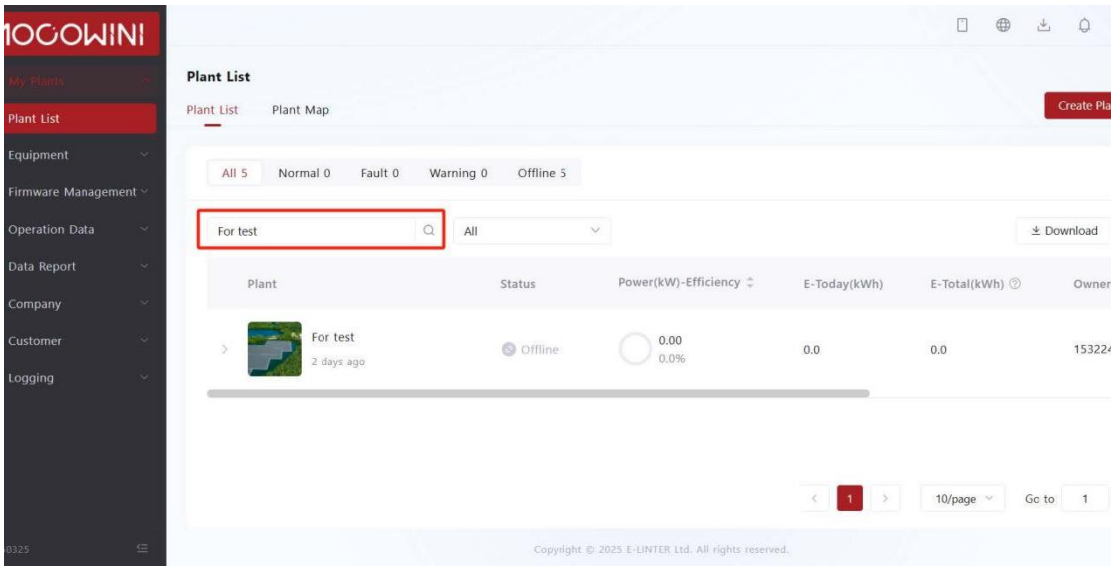
4.2.1 Classification

In the plant list, classify the plants by their "Status" into "All," "Normal," "Fault," "Warning," and "Offline."

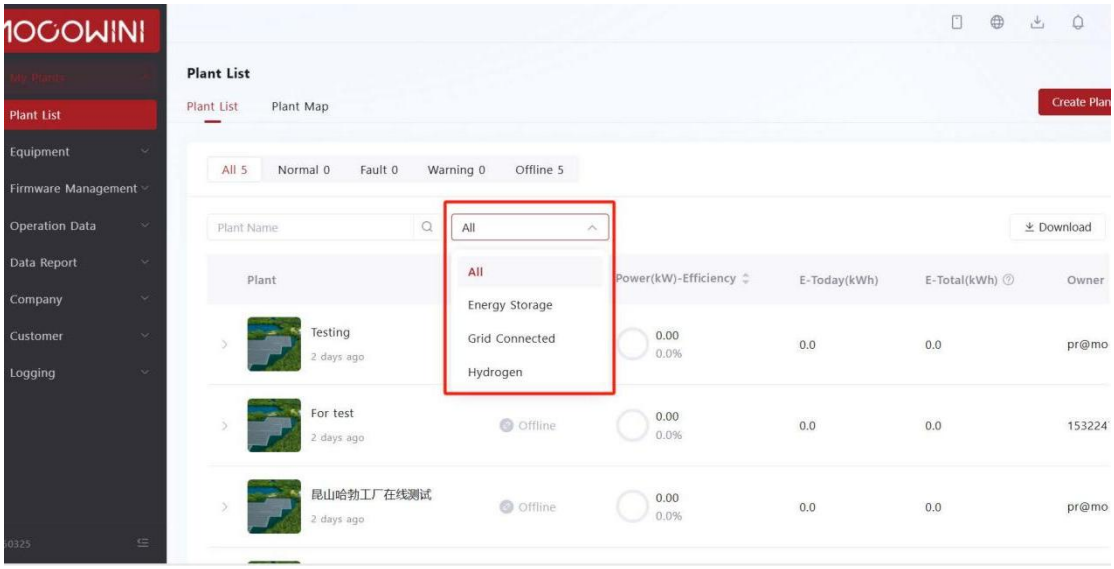


4.2.1 Searching for Plants

Enter a keyword in the search bar to find plants containing that keyword.



In the dropdown on the right, you can select the plant type, which includes "All," "Energy Storage," "Grid-connected and Hydrogen."

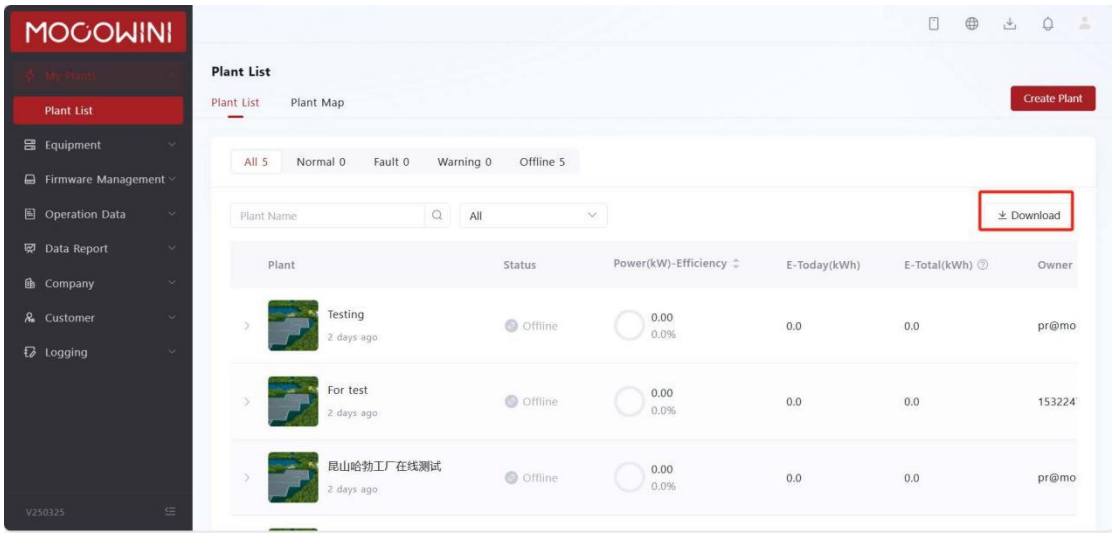


4.2.2 Sorting

You can sort the plants by selecting "Power (kW) - Efficiency" or "Creation Time" from the column names.

4.2.3 Downloading Date

Currently, the platform supports downloading power generation data for plants. Click "Download" on the right side, and you can find the generated spreadsheet in the "Download Center" in the top right corner.



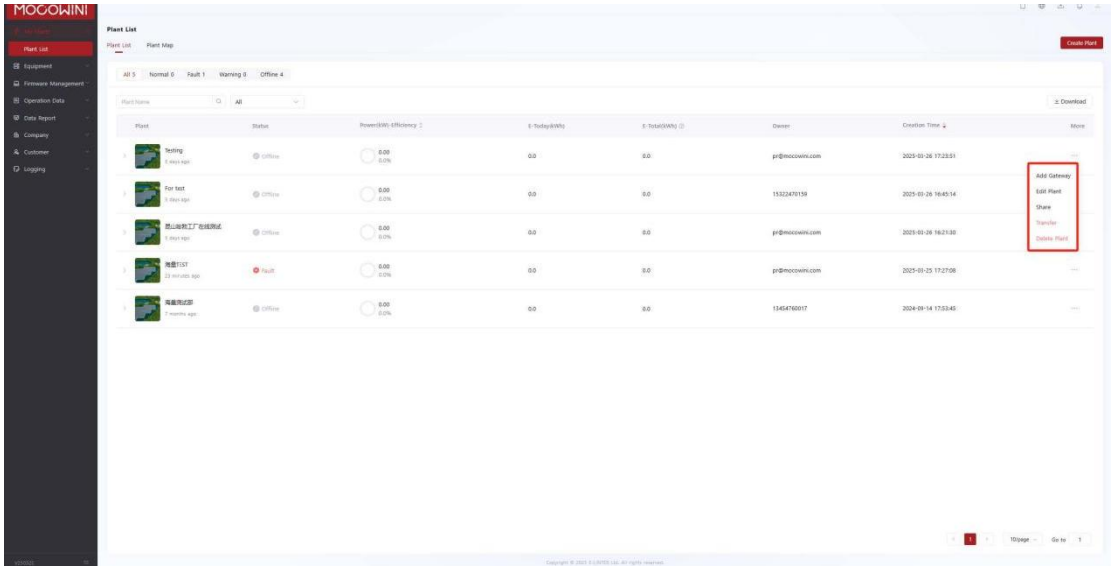
Enter the "Download Center," locate the generated spreadsheet, and click "Download" to save it locally.

After the local excel is opened, the figure is as follows:

	A	B	C	D	E	F
1	Plant	Generation(kWh)				
2	Testing	0.00				
3	For test	0.00				
4	昆山哈勃工厂在线测试	0.00				
5	海量TEST	0.00				
6	海量测试部	0.00				
7						
8						
9						

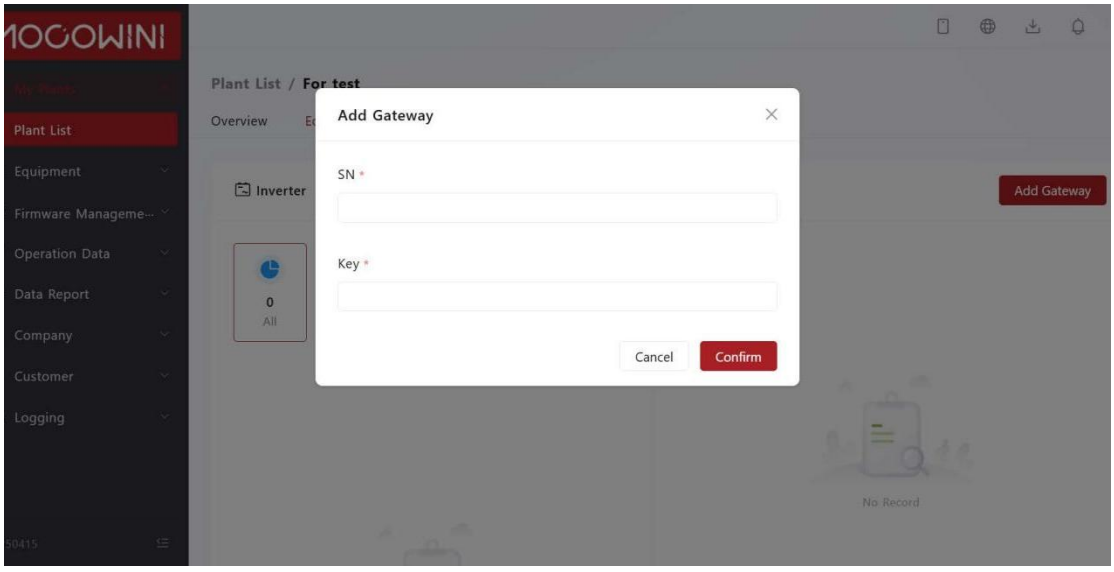
4.2.4 Plant Operations

Supported operations for Plant include: adding gateways, editing Plant information, sharing Plant, transferring plants, and deleting Plant.



4.2.4.1 Add Gateway

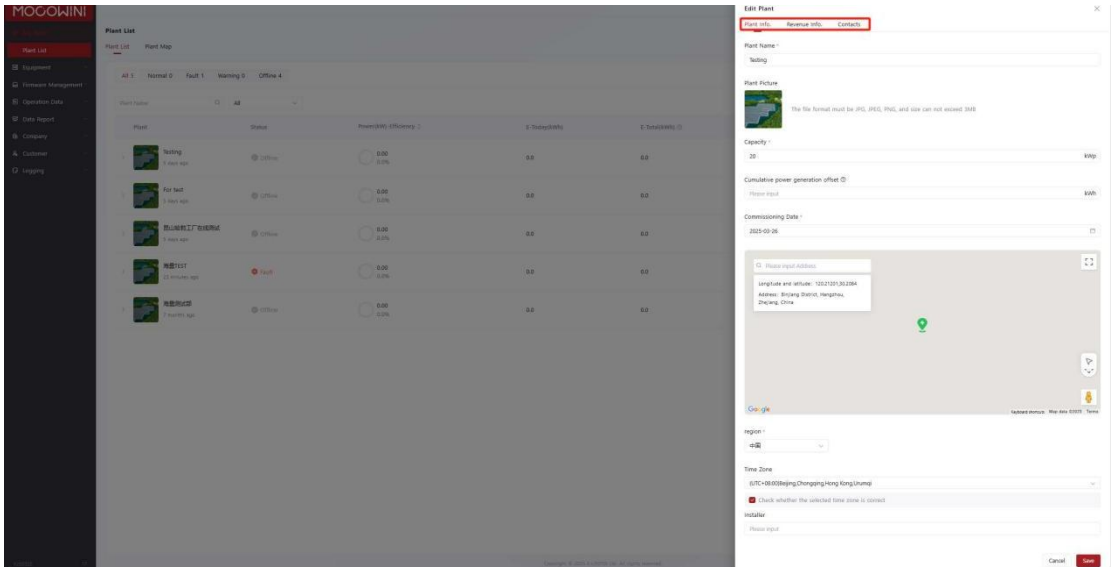
Click "Add Gateway" to input the data Gateway's SN and Key



4.2.4.2Edit Plant

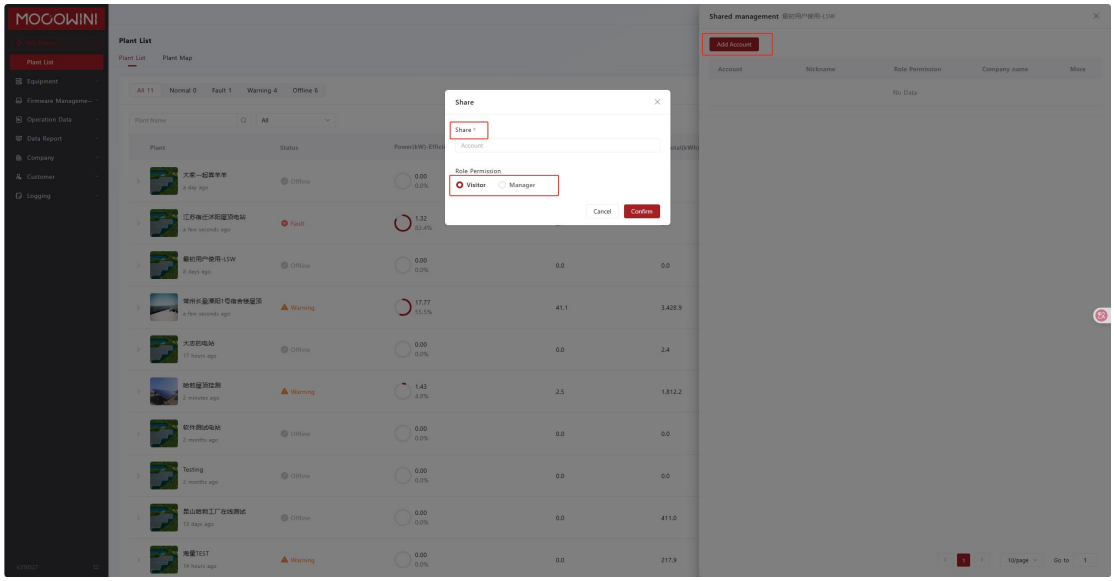
Click "Edit Plant" to modify the plant's " Plant Information," "Revenue Information," and

"Contacts." After completing the changes, click the "Save" button in the bottom right corner.

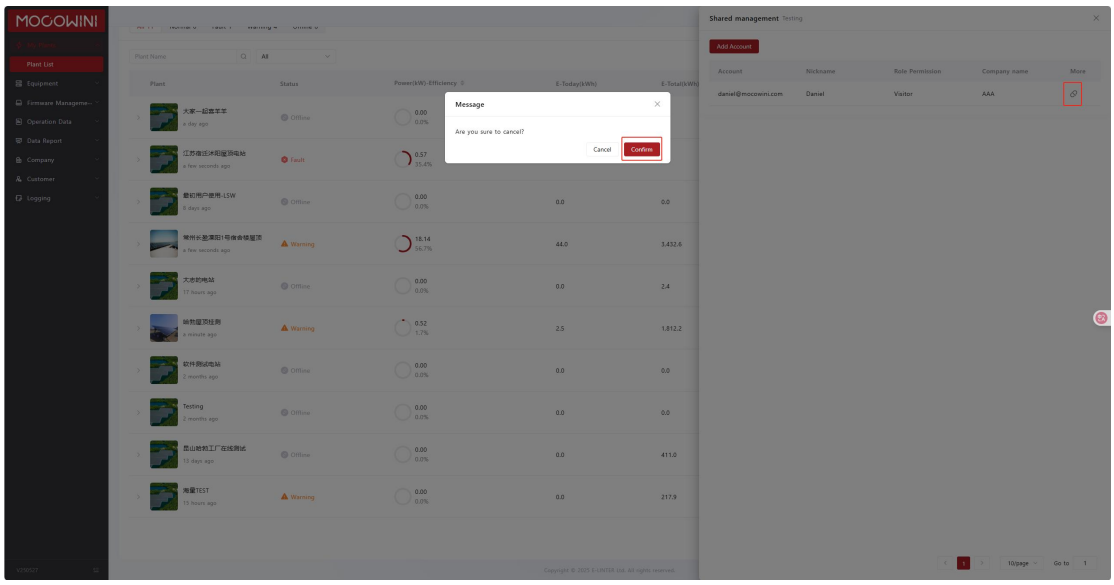


4.2.4.3 Share Plant

Click "Share plant," then "Add Account," and assign the corresponding "Visitor" or "Manager" permissions.

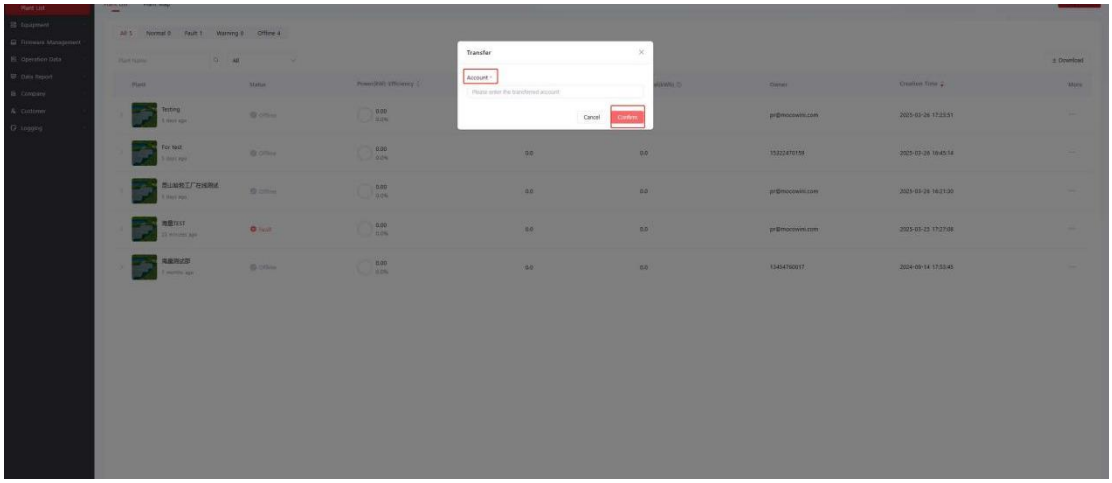


To remove an account, click the "More" button to the right of the account and then "Confirm."



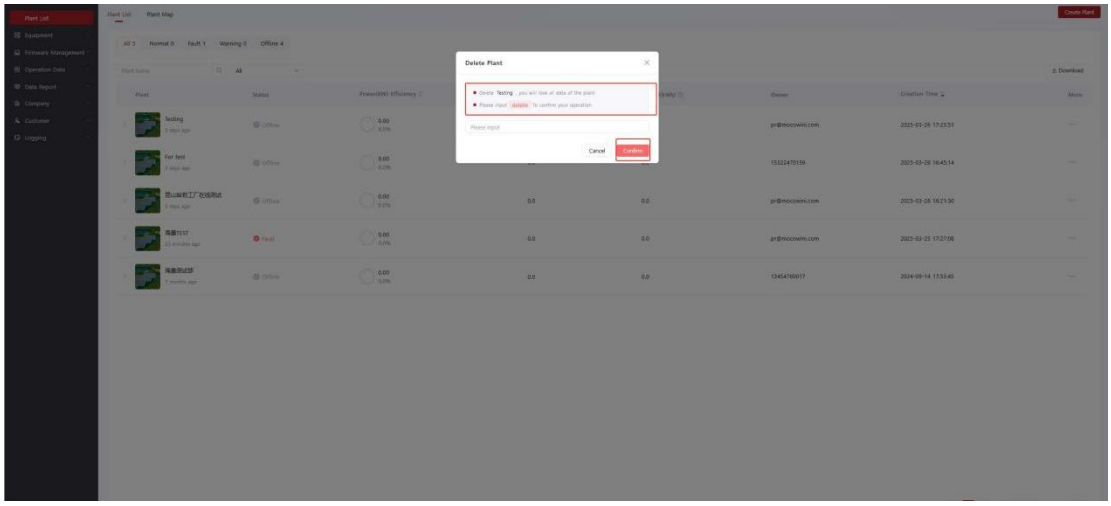
4.2.4.4 Transfer Plant

Click "Transfer Plant," enter the transferee's account information, and complete the transfer.



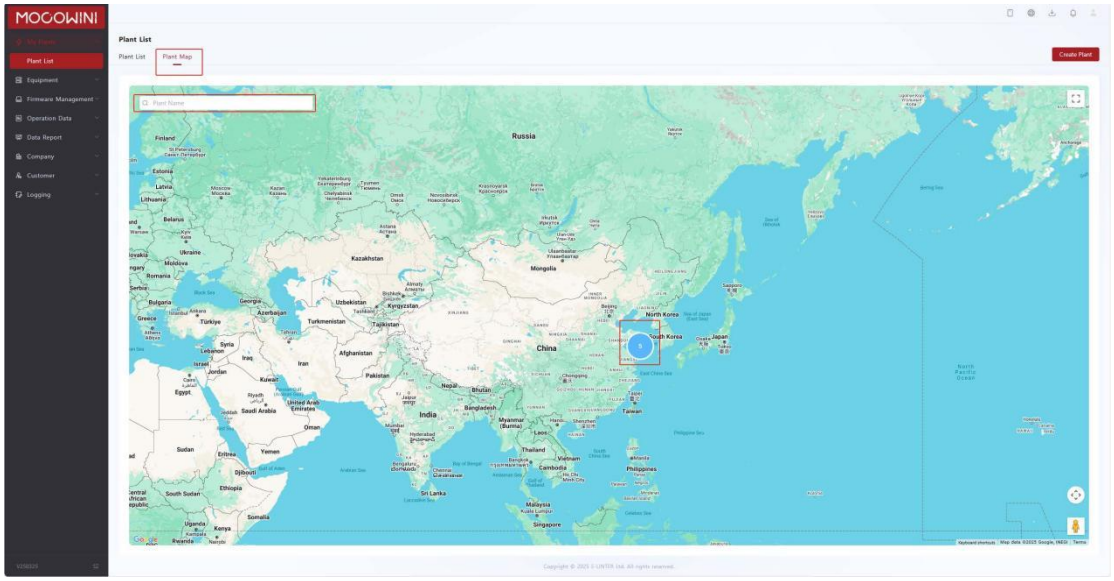
4.2.4.5 Delete Plant

Click "Delete Plant," enter "delete" as required, and complete the deletion.

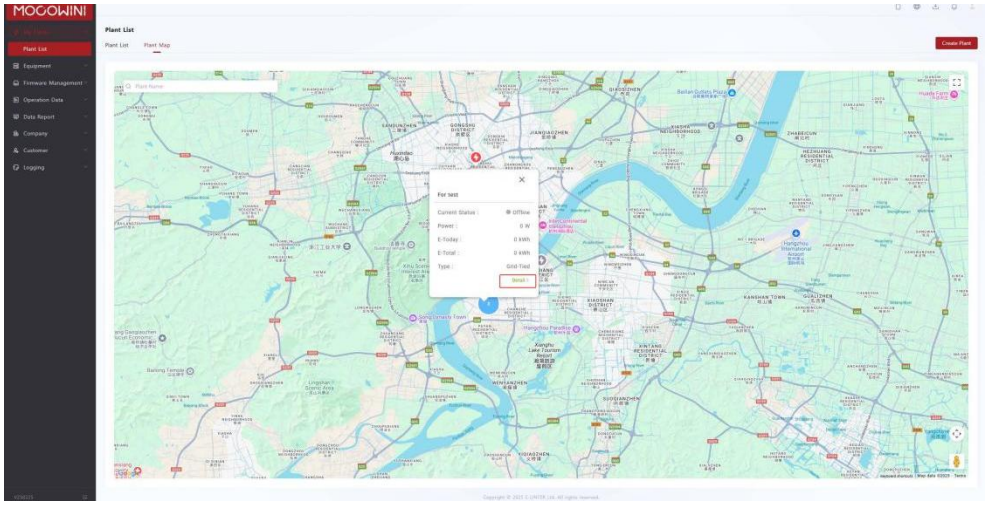


4.3 Plant Map

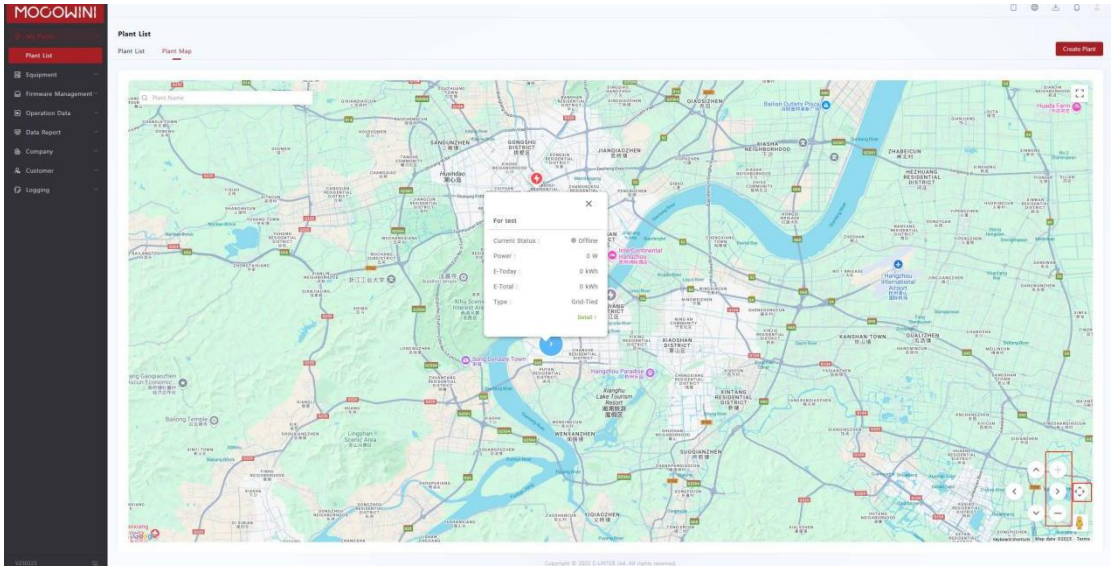
Click "Plant Map" to view the distribution of plant.



Clicking the icon "5" zooms in the map for a detailed view. Clicking on a plant shows partial information, and clicking "Details" opens a new tab with the plant's details.



You can also use the "+" and "-" in the bottom right corner to zoom in and out of the map.

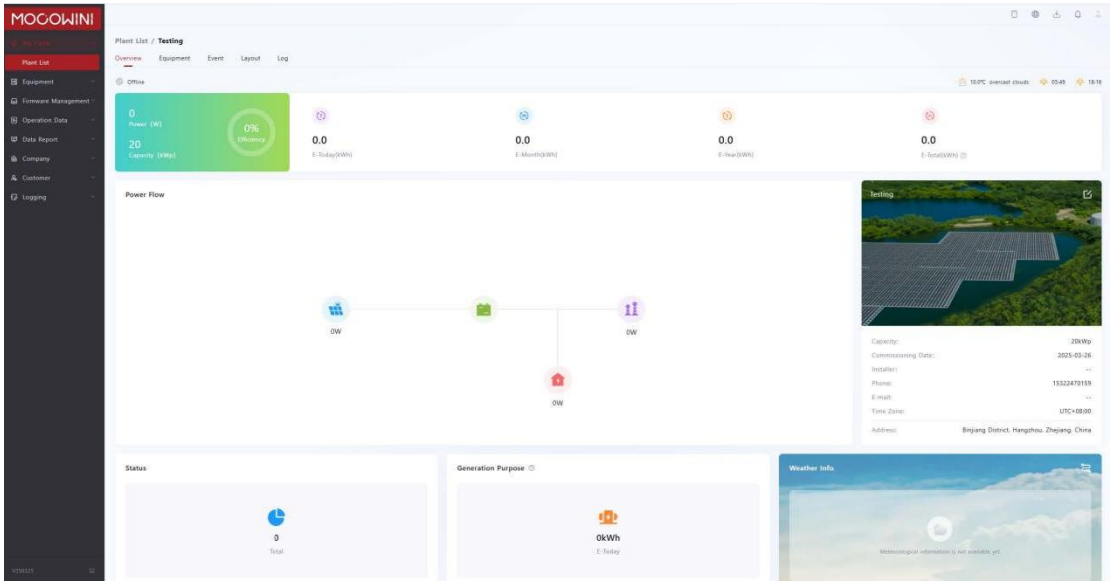


4.4 Plant Details

4.4.1Overview

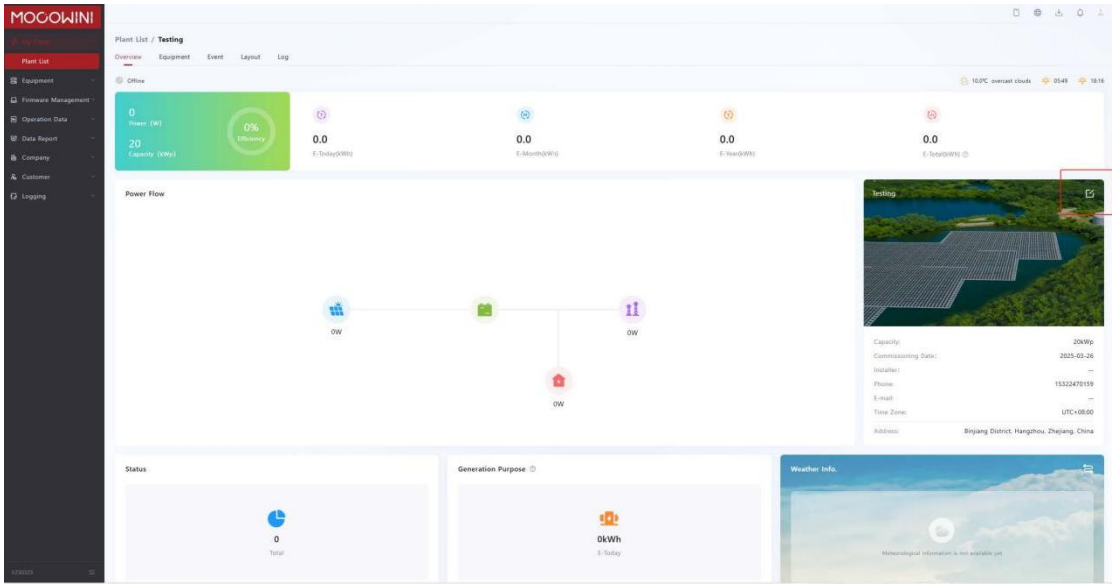
4.4.1.1UI Display

On the overview page, you can see the power generation and status of the devices.

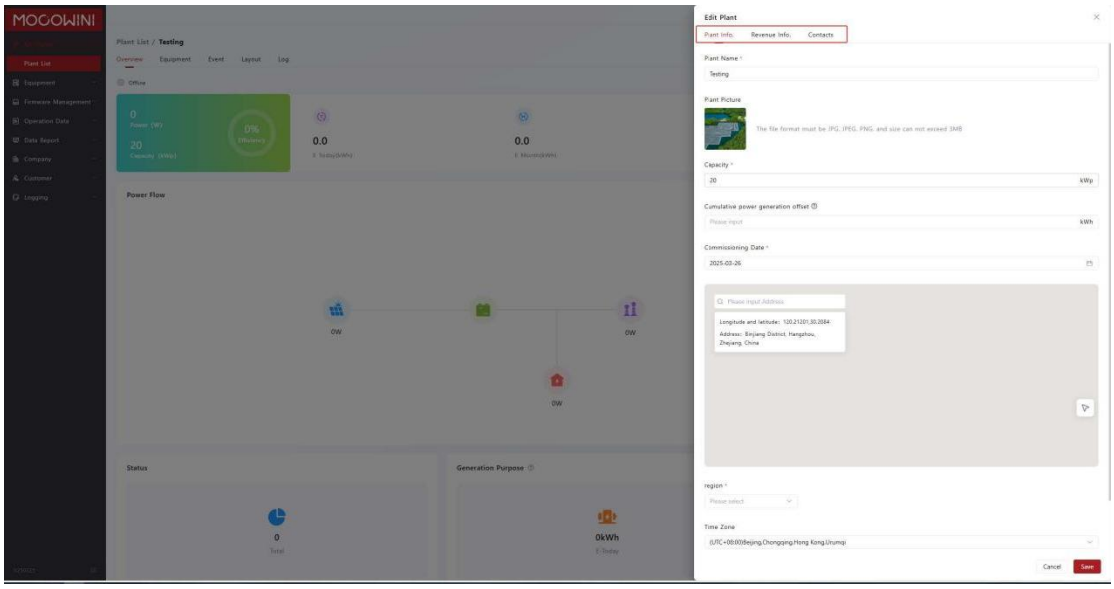


4.4.1.2Plant Renaming

There is an editable place in the upper right corner of the picture on the right, click to modify the information of the plant, as shown in the figure:

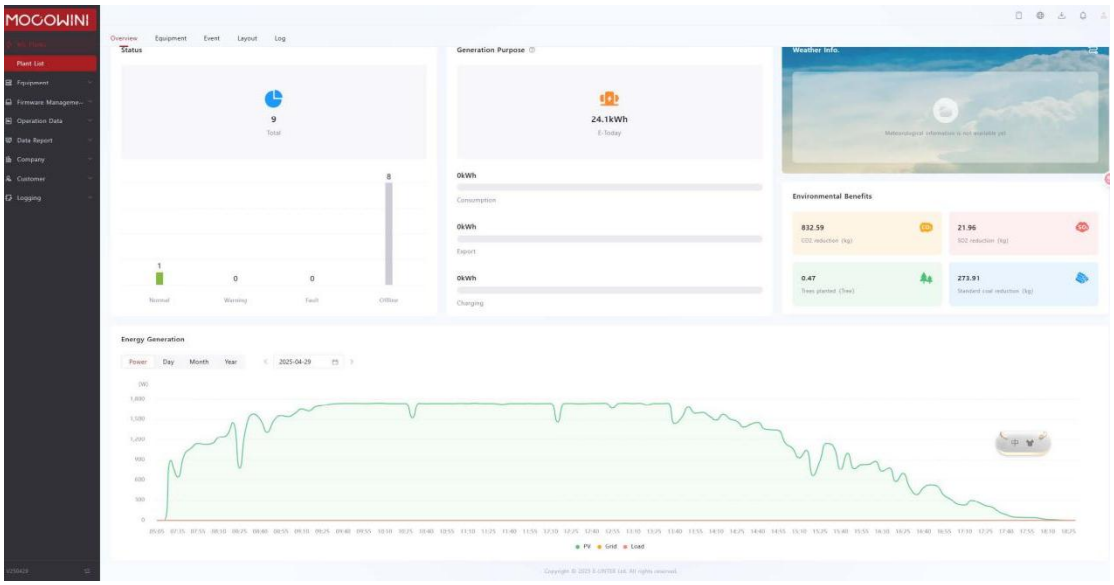


After clicking, you can modify the information of the plant according to the steps in 4.1 Creating the Plant, as shown in the figure:

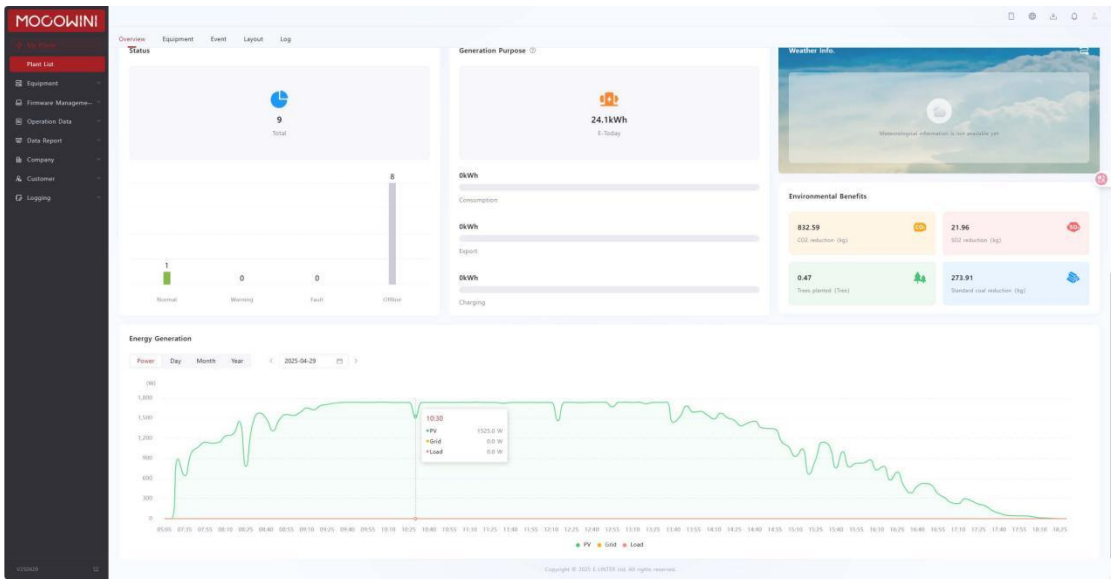


4.4.1.3 Generator chart

Slide down in the overview to see the power generation situation, you can select "day", "month", "year" to view, but also select a day to view, as shown in the figure:

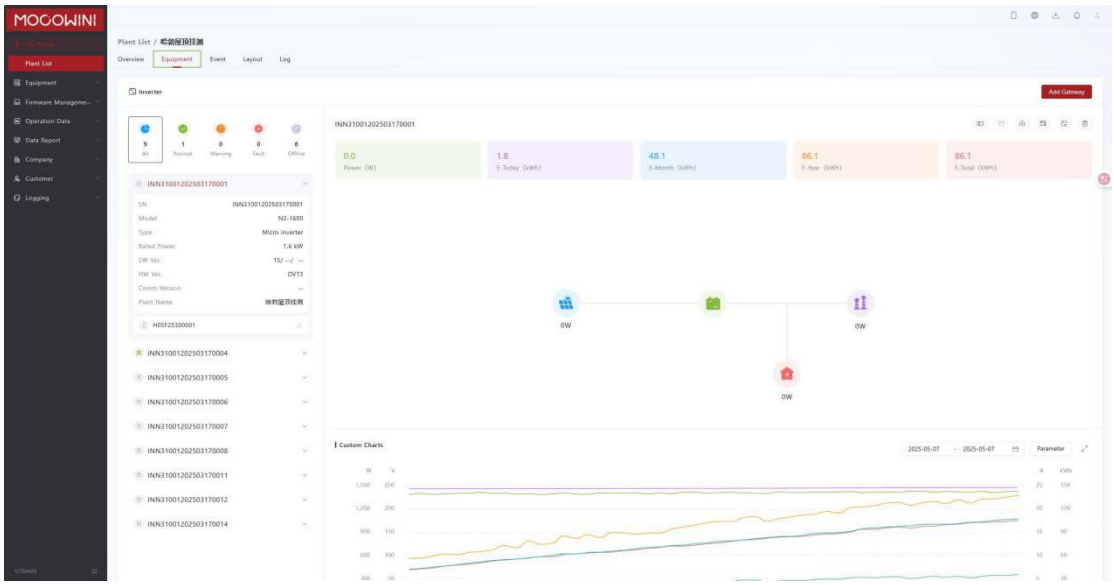


When the mouse is over the power generation information, you can see the detailed information, as shown in the figure:



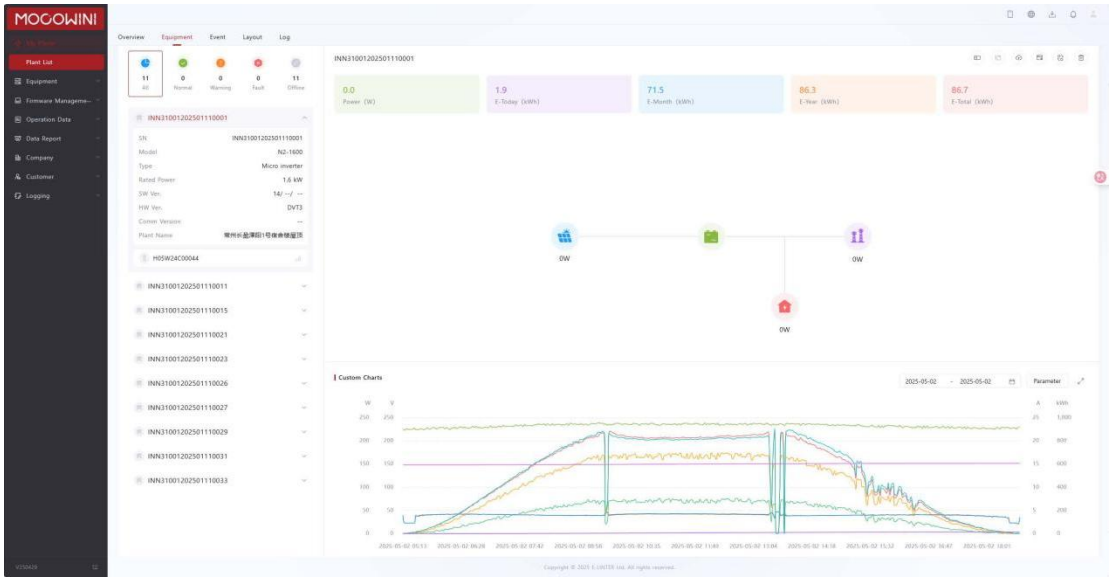
4.4.2 Epuipment

Click "Equipment" to see the information of all micro-inversions under the current plant, as shown in the figure:



4.2.2.1 Microinverter Selection

Click on different microinverter, you can automatically open the drop-down box, and then see the power generation and custom ICONS, as shown in the figure:

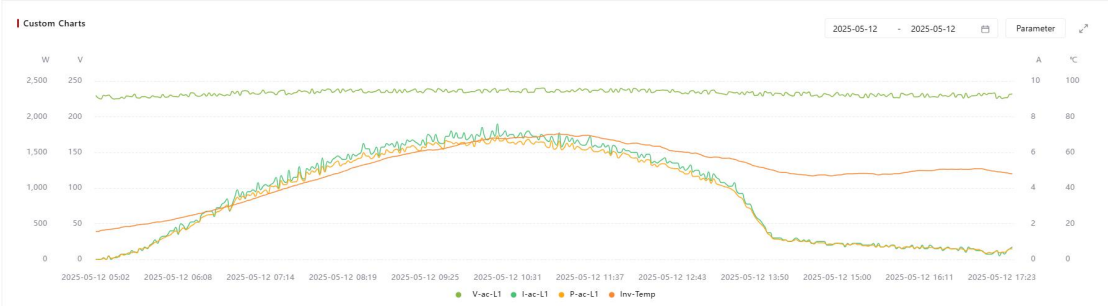


4.2.2.1.1 Date Selection

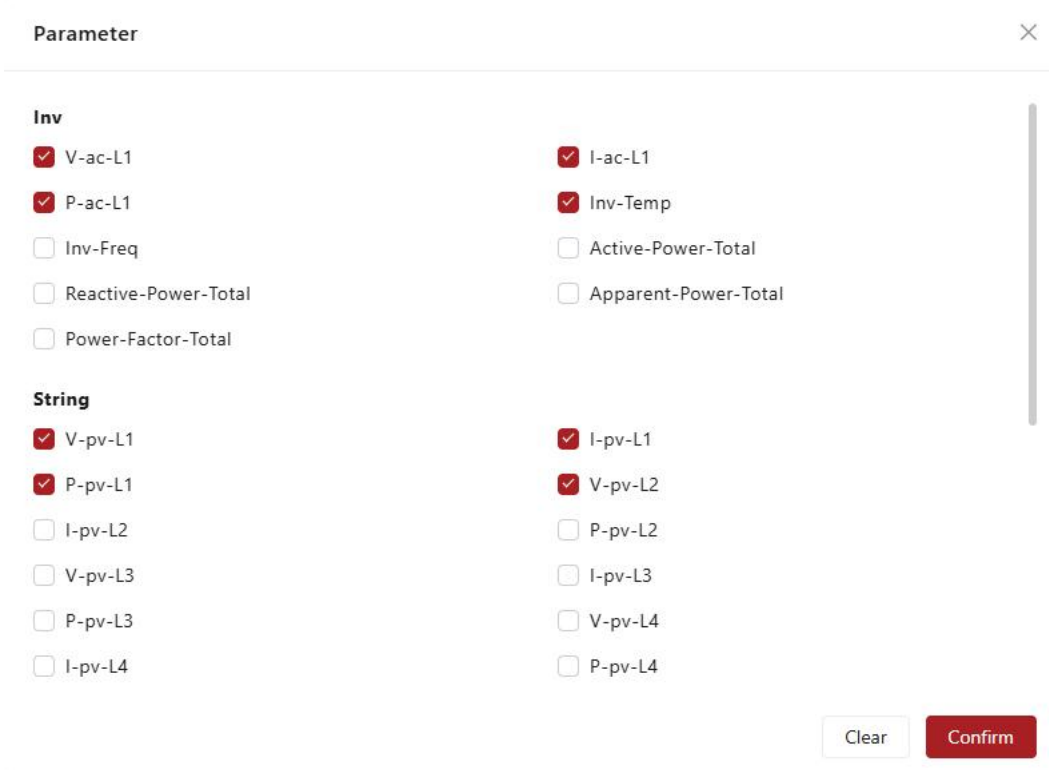
In the custom icon, click the calendar in the upper right corner to select the date you want to view, as shown below:

4.2.2.1.2 Parameter Selection

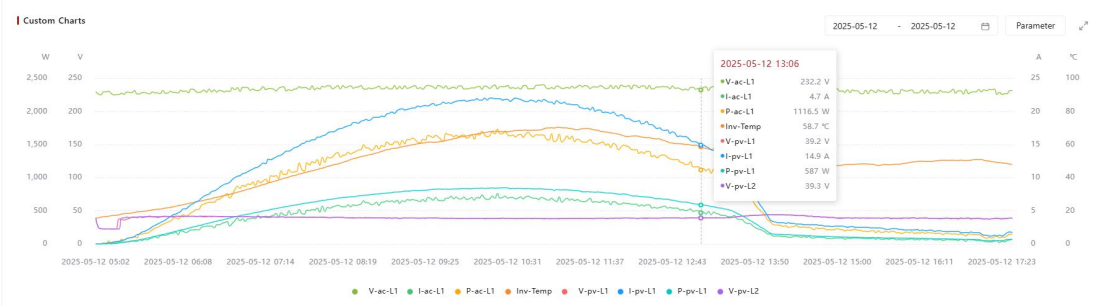
Click "Parameter selection" to select and view the parameters of the current micro-inverse, as shown in the figure:



Select what to display, as shown below:

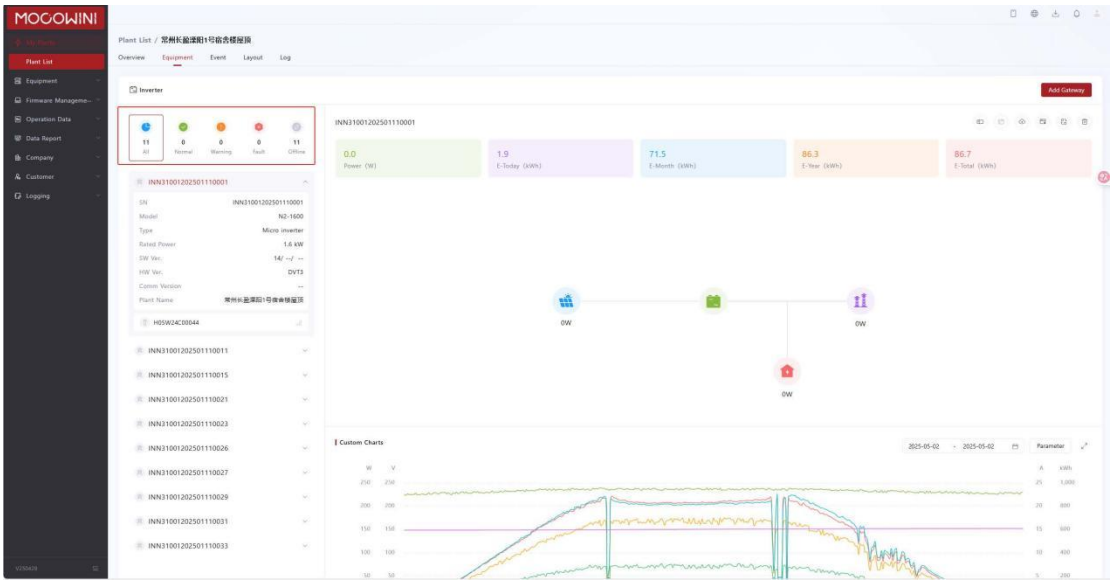


After the selection is complete, place the mouse on the icon to display it, as shown in the figure:



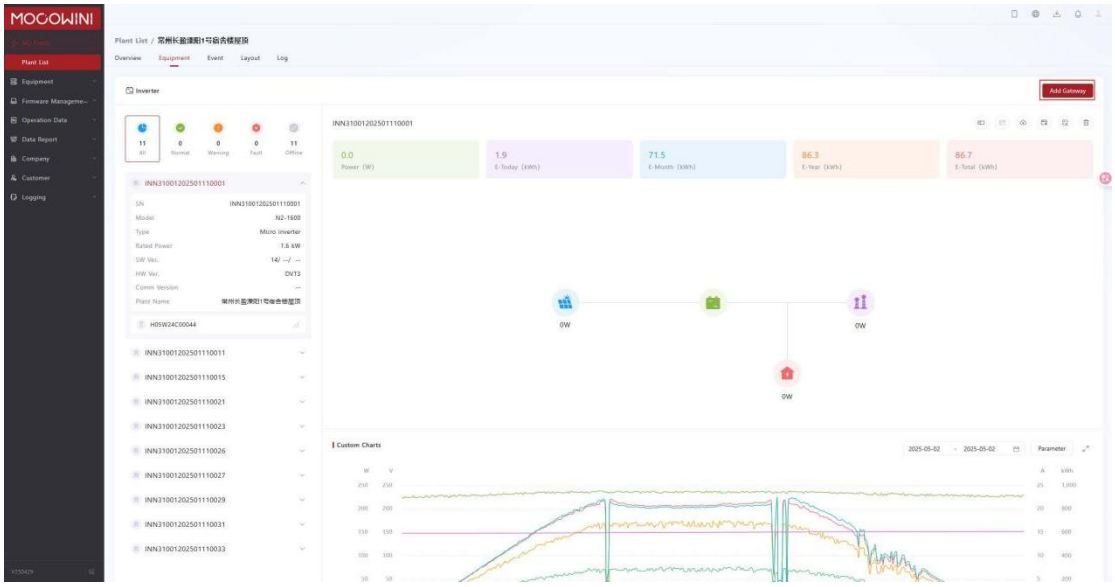
4.2.2.2 Microinverter Classification

In the plant, micro-inverters are divided into "normal", "alarm", "fault" and "Offline", which can be classified and viewed by clicking the corresponding status, as shown in the figure:

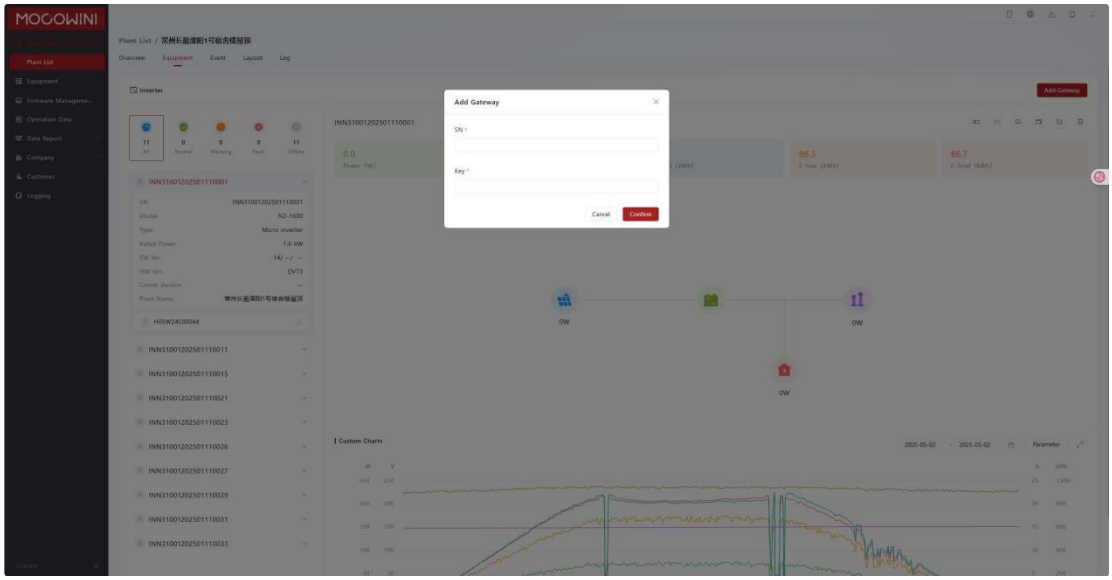


4.2.2.3 Add Gateway

There is a "Add Gateway" button in the upper right corner, as shown below:

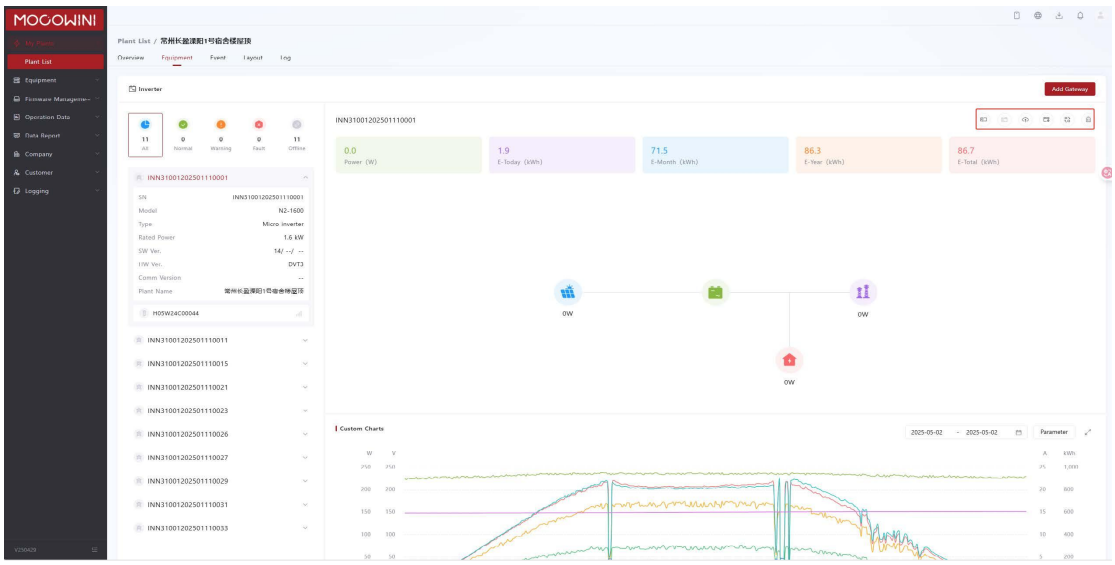


Click "Add Gateway", there is a drop-down box, select "gateway", enter the gateway "serial number" and "registration code" to complete. As the picture shows:



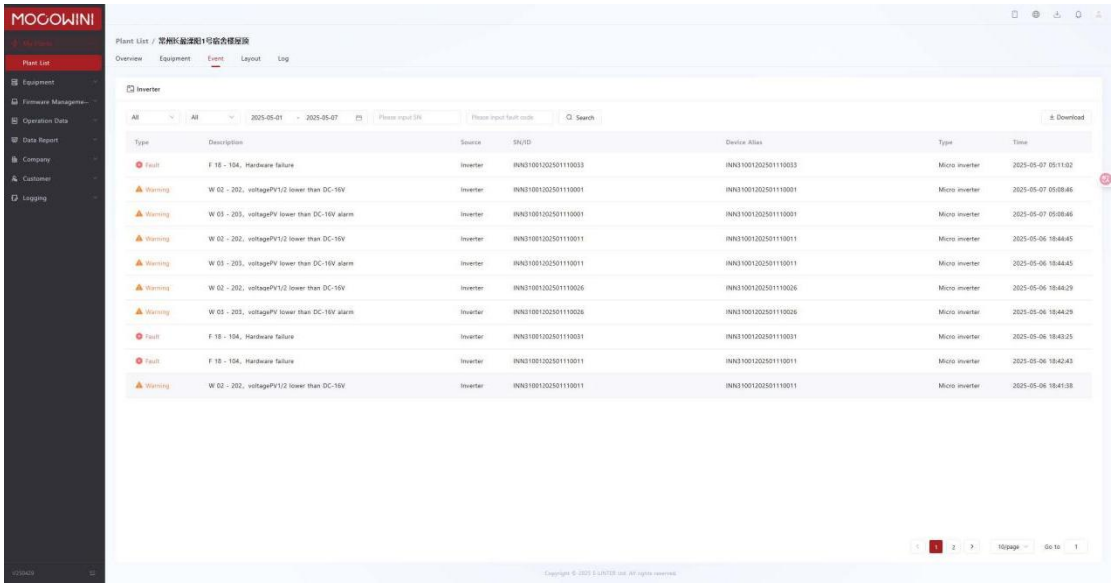
4.2.2.4 Other Function

In the detail interface of microinverters, there are functions to perform more operations on microinverters in the upper right corner; "Set alias", the user can set the name of the microinverter;
"Remote debug", the maintenance personnel can debug the microinverter operation;
"Upgrade", maintenance personnel can upgrade the microinverter operation;
"Parameters Setting", maintenance personnel can set the grid connection function of microinverter;
Gateway replacement: Replace the serial number of the gateway.
Delete: Deletes the current microinverters



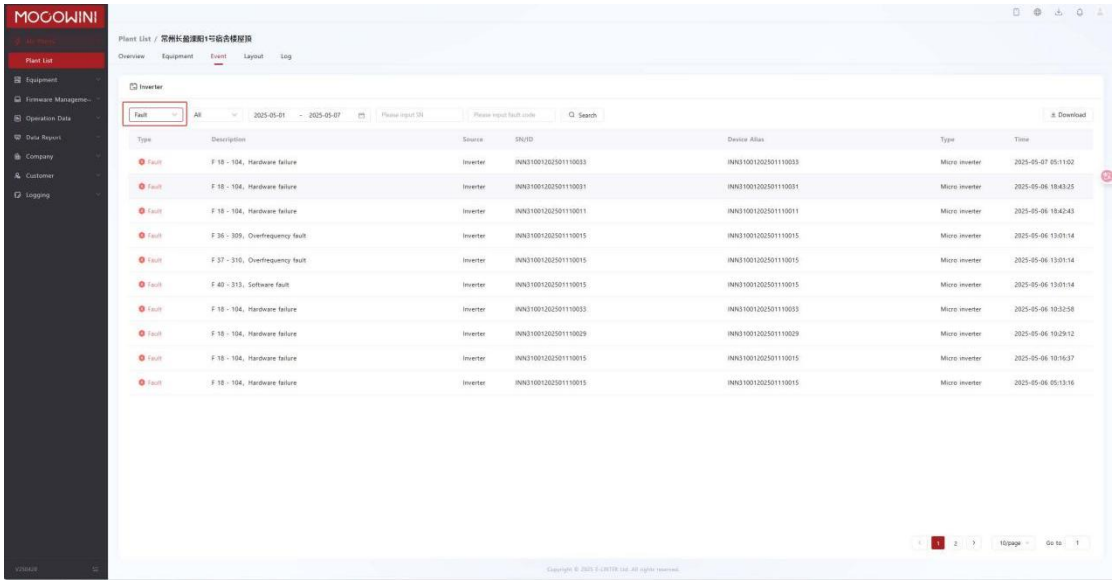
4.4.3 Event

In the event, the default state looks like this:



4.4.3.1 Filter Event

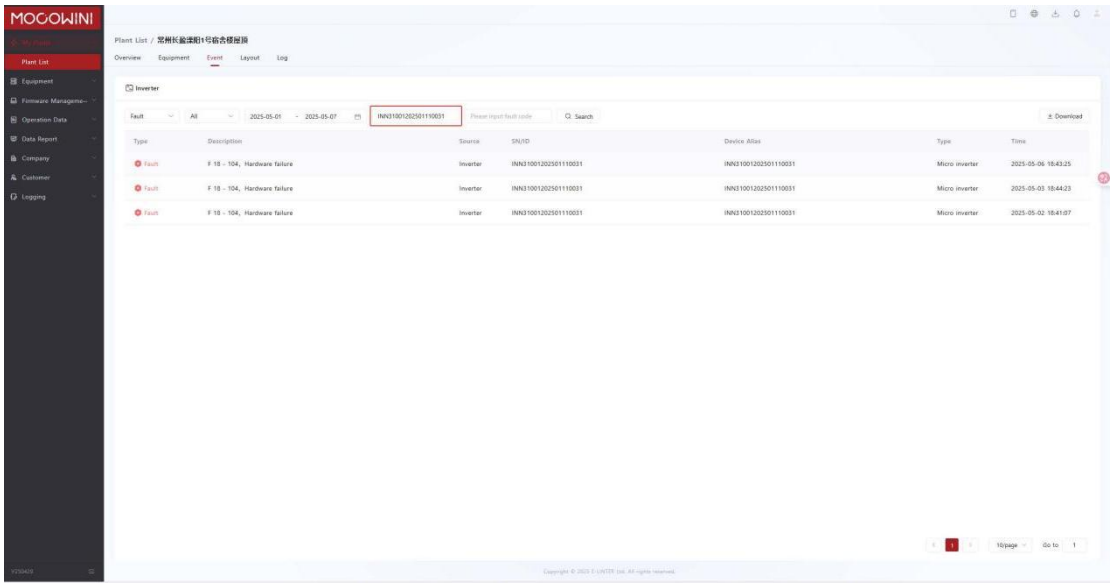
Event category, micro-inverse category, and event can be selected for screening, as shown in the figure:



4.4.3.2 Query Event

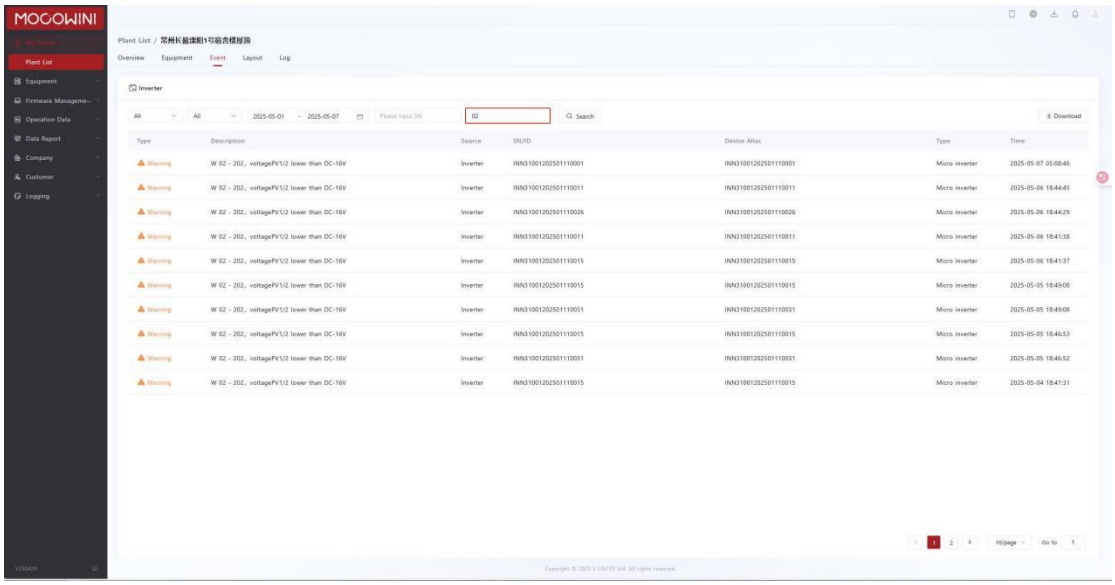
You can query events by searching for serial numbers or fault codes.

Serial number You need to enter a complete serial number to query, as shown in the figure:

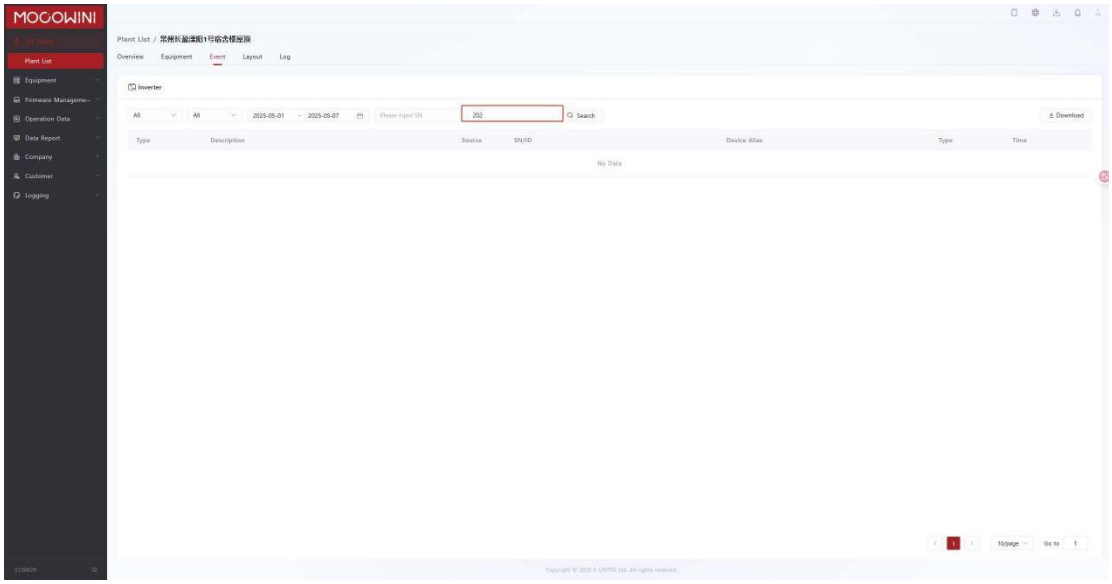


The fault code must be differentiated according to different events. The alarm fault must be entered with a digit, for example

In W 02-202, the input voltage of port PV1/2 is lower than DC-16V Alarm, enter 2 or 02 in the search box to obtain the result.

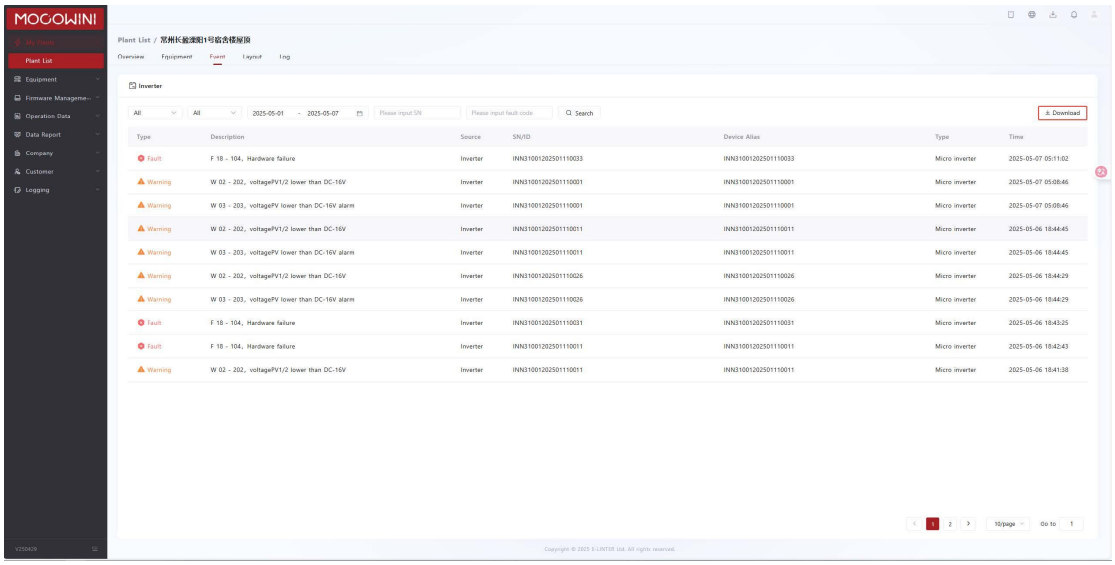


If you enter the number "202", the search results are empty.

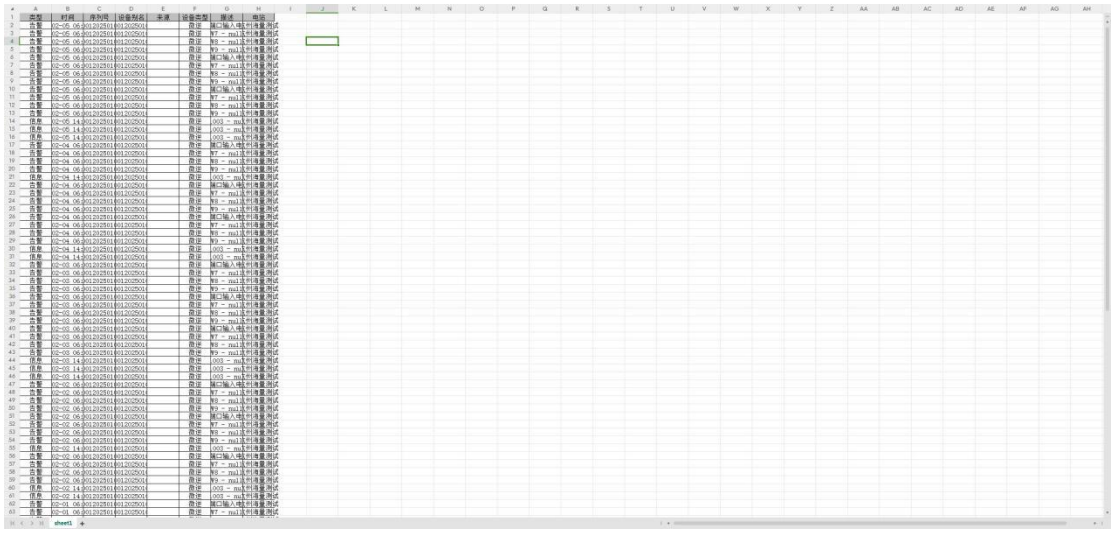


4.4.3.3 Download

Click "Download" on the right to download all events in the current plant to the local, in the format of "xlsx". As the picture shows:



When the download is complete, open the file. As shown in the figure：



4.4.4 Layout

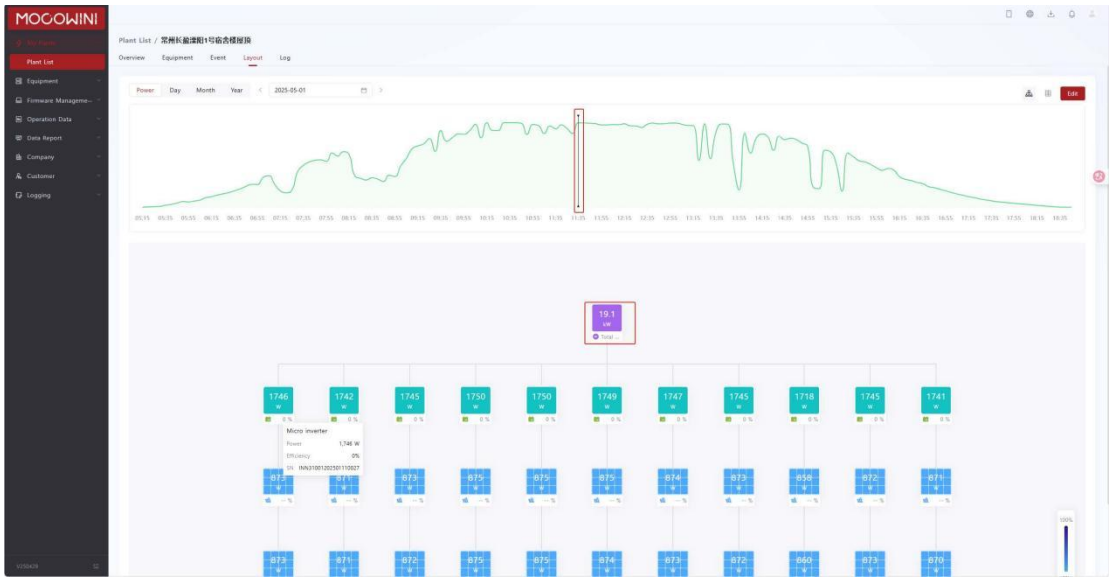
The default interface is shown as follows:

4.4.4.1 Layout Classification

You can view the categories by Power, Year, Month, and Day.

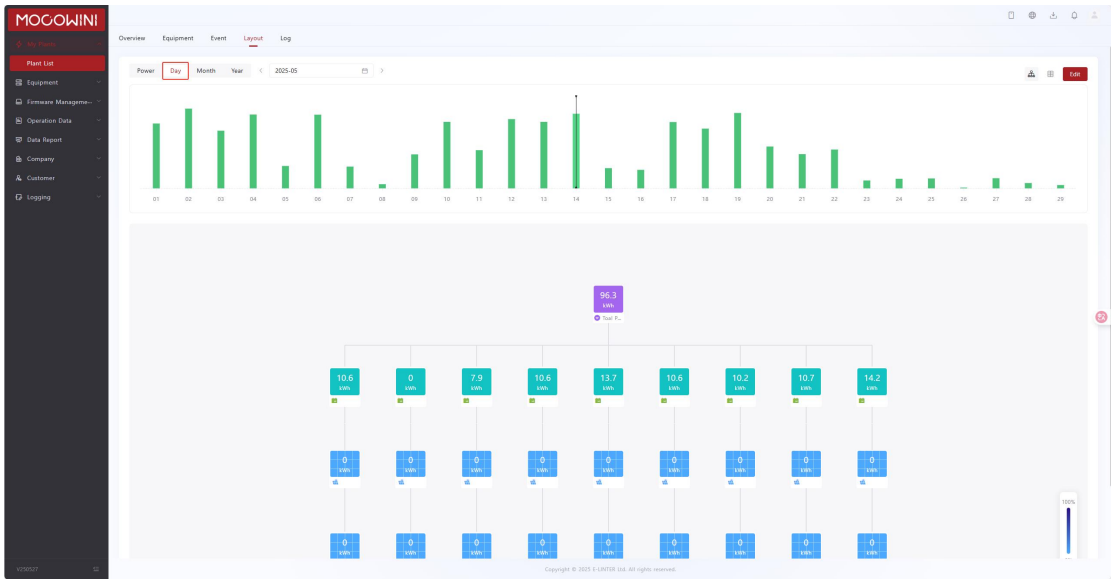
When Power is used for viewing, the data to be viewed is the data of the selected day.

You can slide this line by clicking the mouse. When you stop, you can see the total power "27.9W" in the matrix below.



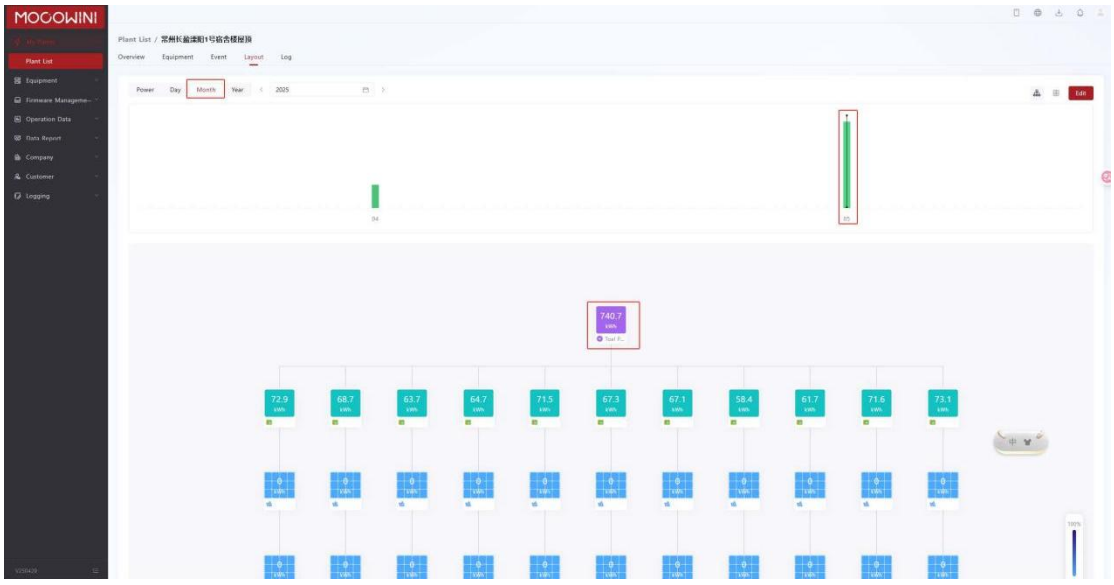
When you view using Day, the data you view is the data of a selected day in January.

By clicking on a day, you can see the total power generation of the day. As shown in the figure:



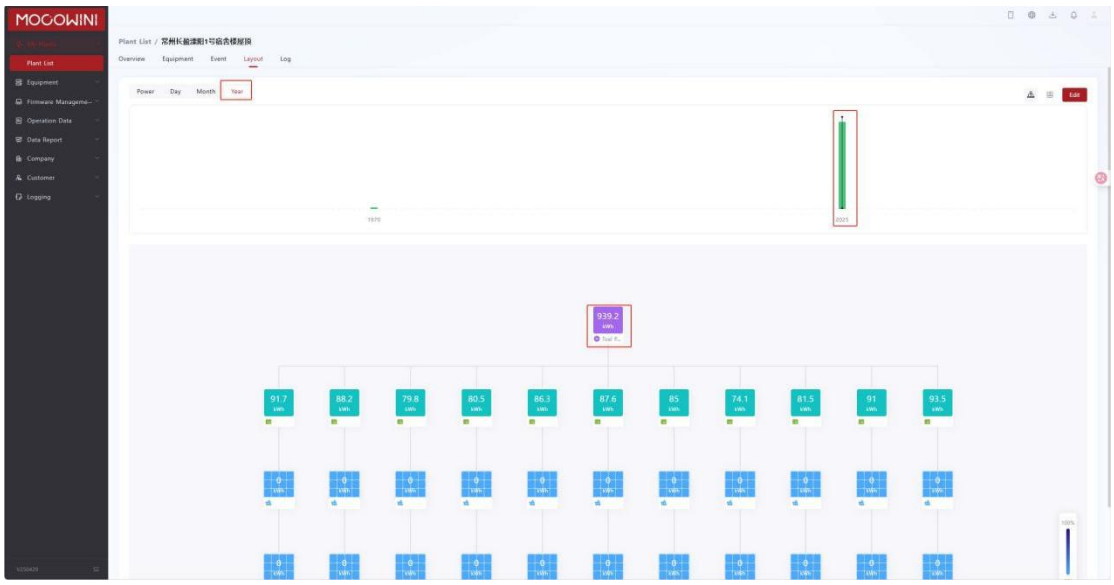
When you view using Month, the data you view is for a month of the selected year.

By clicking on a month, you can see the total power generation for that month. As shown in the figure:



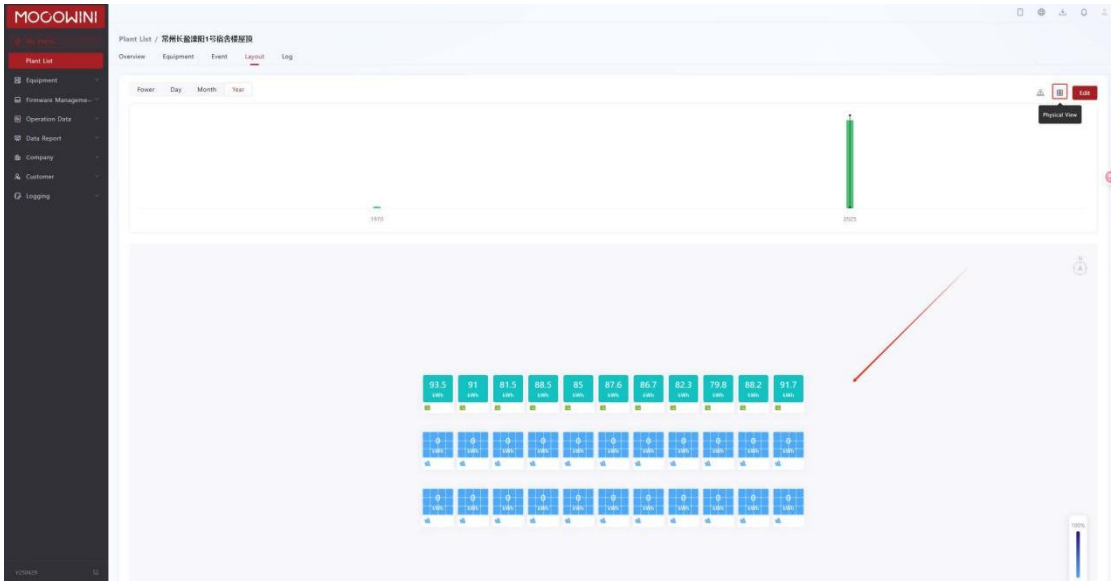
When year is used for viewing, the data viewed is the data for a particular year for all selected events.

By clicking on a year, you can see the total power generation for the year. As the picture shows:



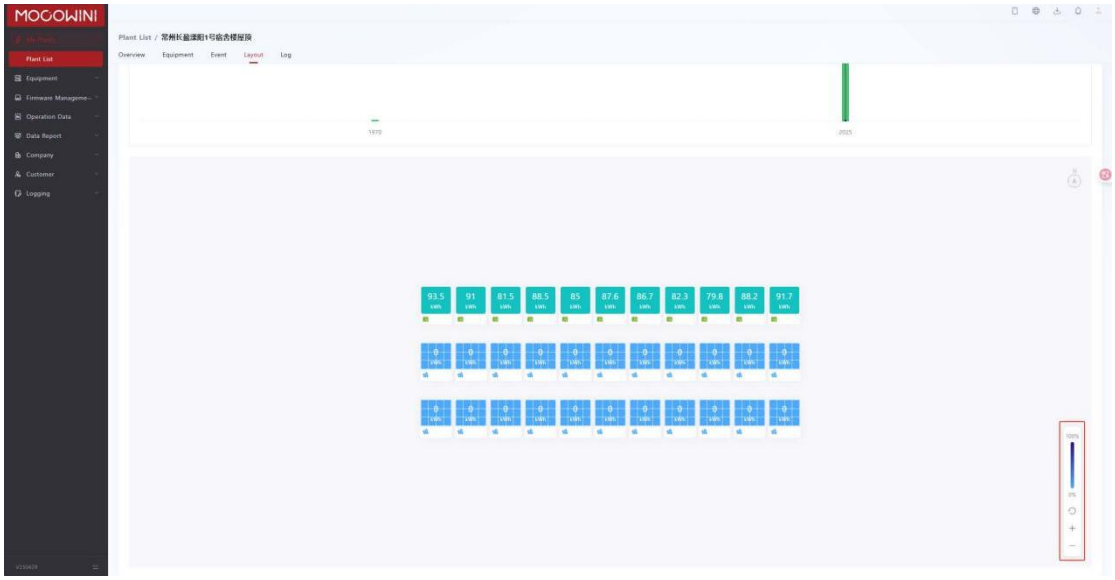
4.4.4.2 Modifying View

Adjust the view, the default state is "logical view", you can change to "physical view", as shown in the figure:



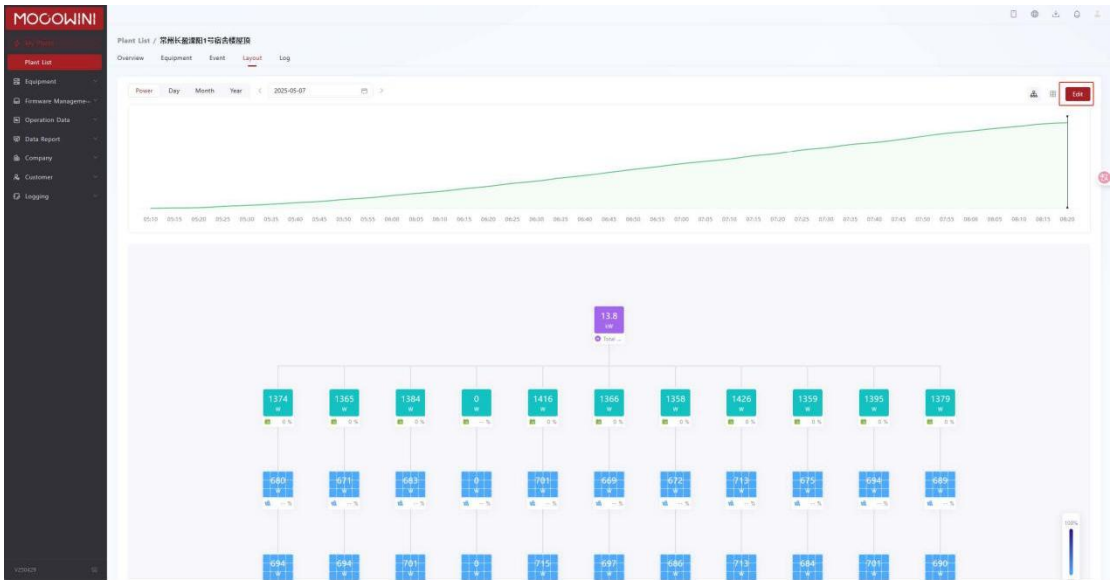
4.4.4.3 Modifying View Size

In the lower right corner of the view, there are "+" and "-" to adjust the size of the view, and there is a reset symbol to restore the view size to the default, and the color cannot be adjusted. As shown in the figure:

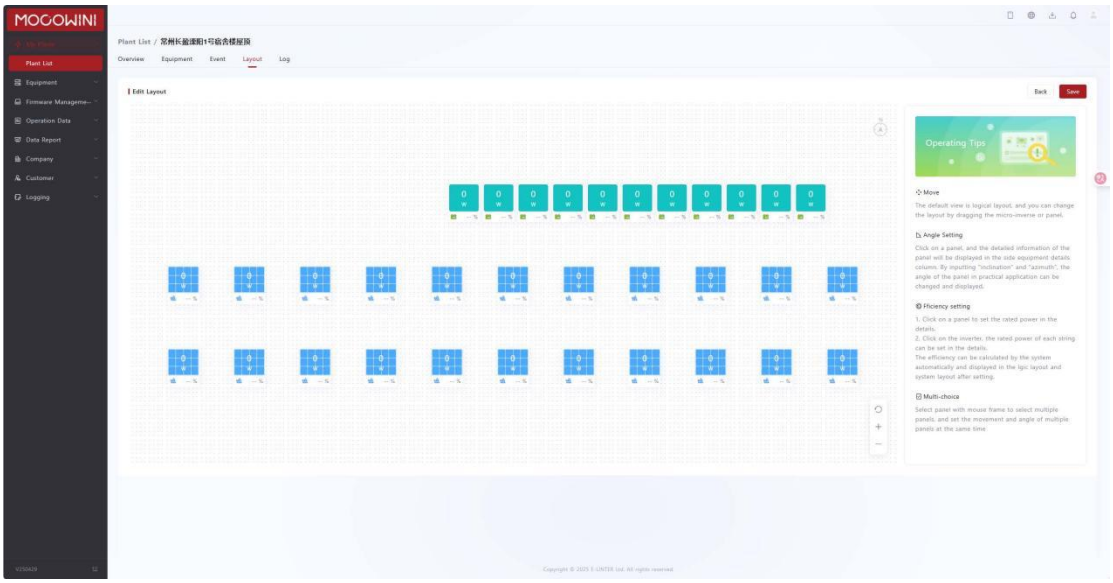


4.4.4.4 Edit

Click "Edit" on the right to modify the view, as shown in the figure:

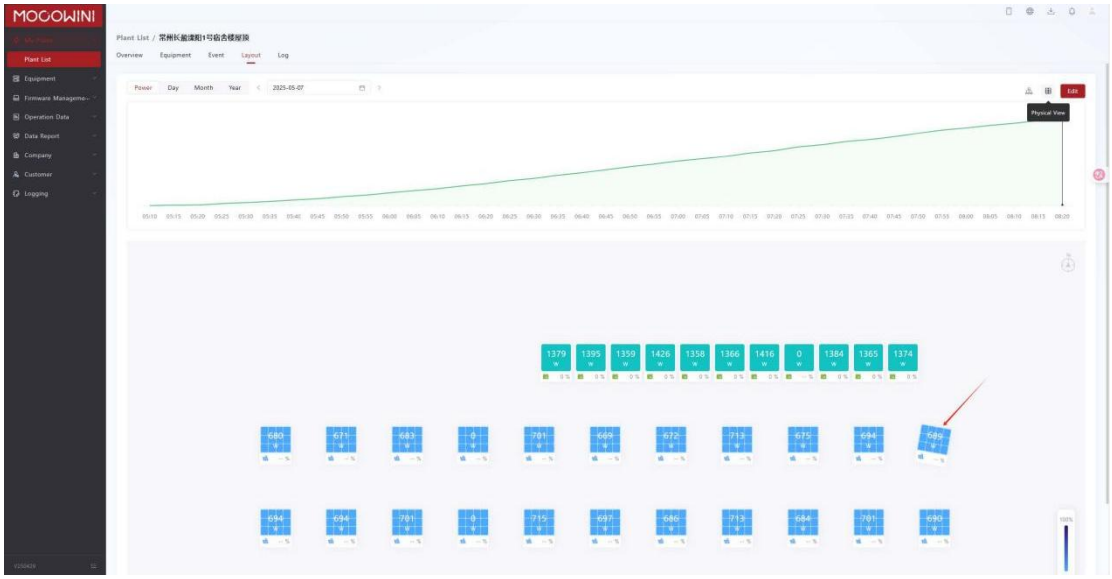


The microinverter module of the view can be modified and the Angle adjusted, as shown in the figure:



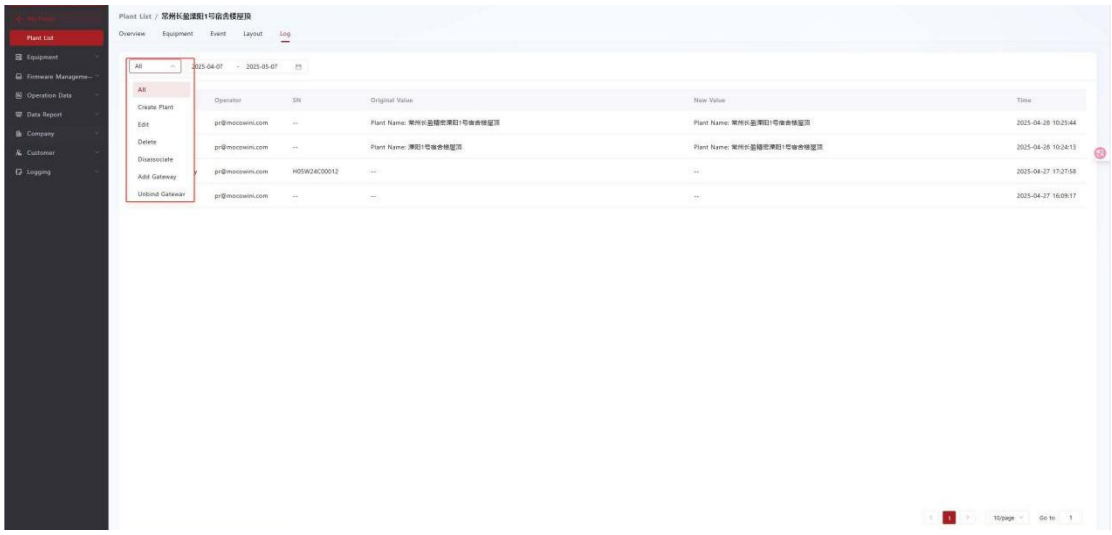
After clicking a panel, you can see the details of the device, as shown in the figure:

After the Settings are completed, click "Apply" and then click "Save" to see it in the "Physical view" of the layout.



4.4.5 Log

After selecting a time period, you can view the records of the corresponding operations performed on the plant, as shown in the figure:

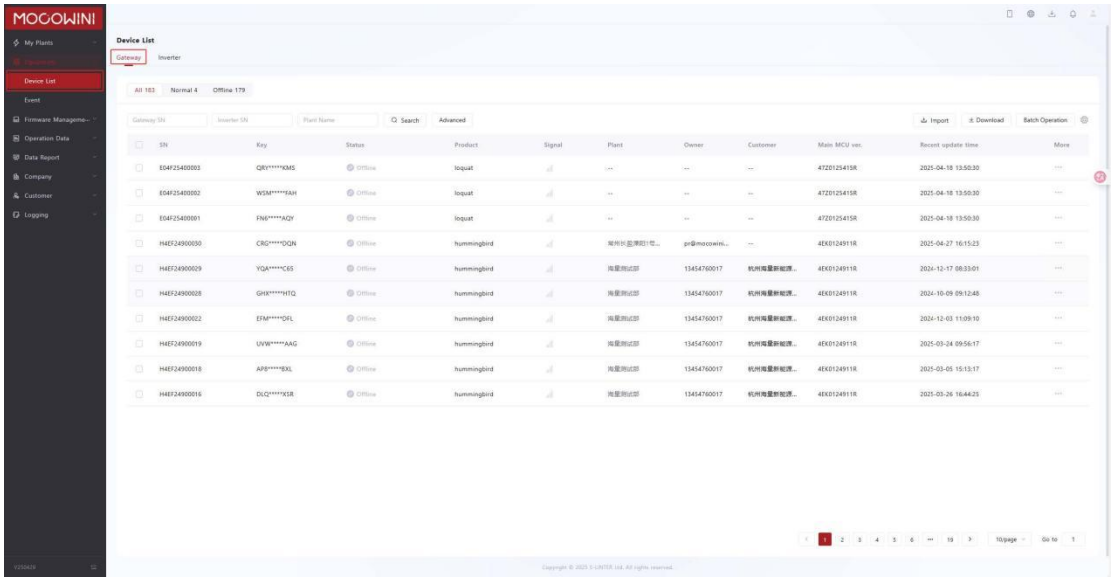


5 Equipment

5.1 Device List

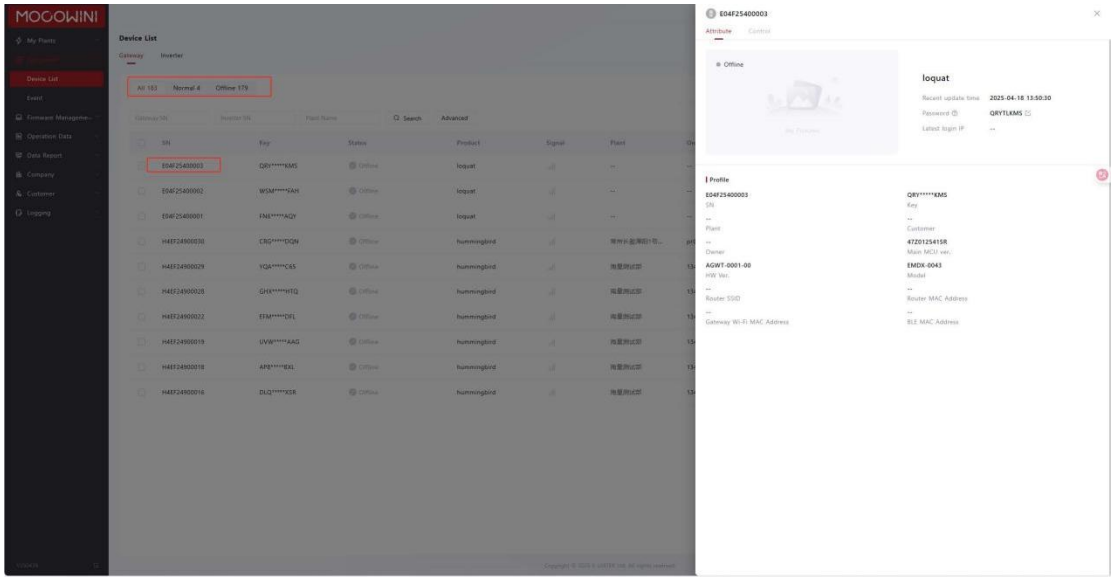
5.1.1 Gateway

After clicking "Device List" in "Device Management", you can see the collector information page in the default state, as shown in the figure:



5.1.1.1 View Gateway by Category

In the gateway status, there are three states: "All", "Normal" and "Offline". Click the corresponding category to see the corresponding collector information. Click the serial number of the gateway to see the details of the gateway, as shown in the figure:

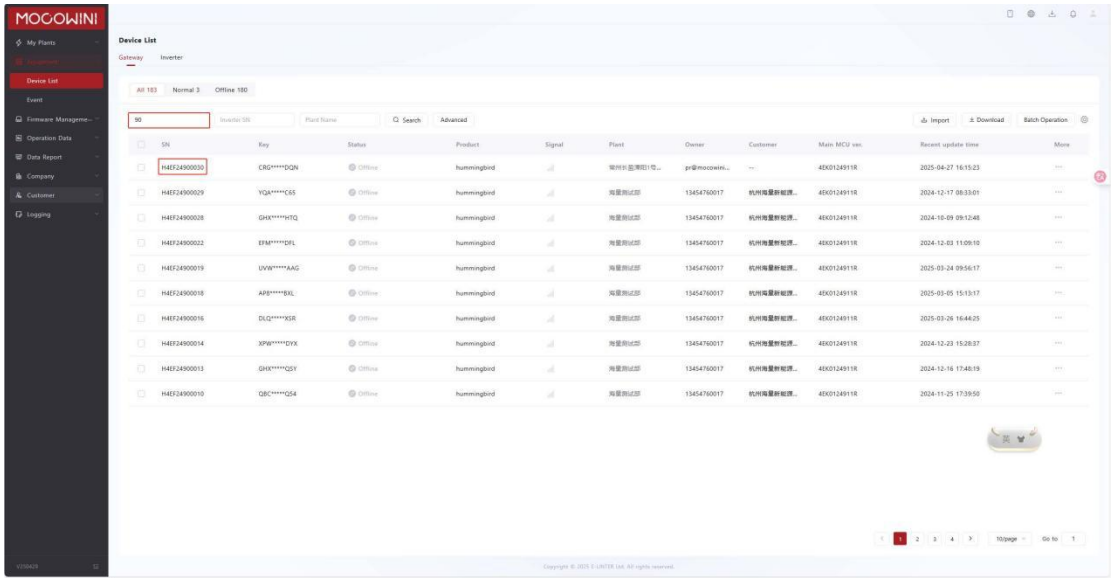


In the lower right corner, you can also select the number of collectors presented on a page, you can select 10 / page, 20 / page, etc.

5.1.1.2 Search Gateway

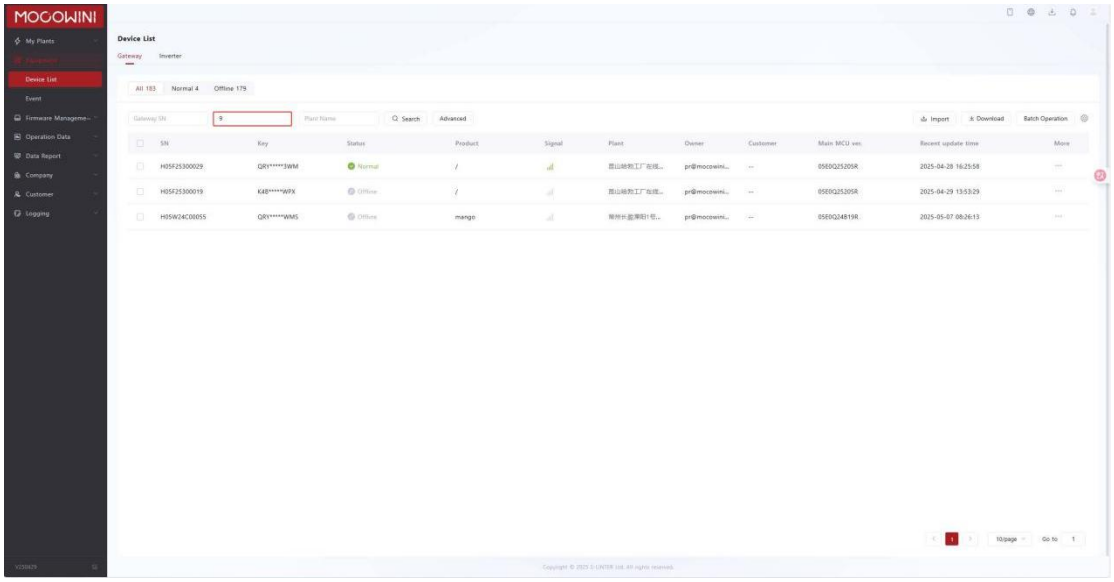
5.1.1.2.1 General Search

By the gateway serial number search device, only need to enter a key number to perform a fuzzy search can appear, for example "H4EF24900030", enter "90" or 9" in the search box, you can filter out all gateway with "90" or "9", as shown in the figure:

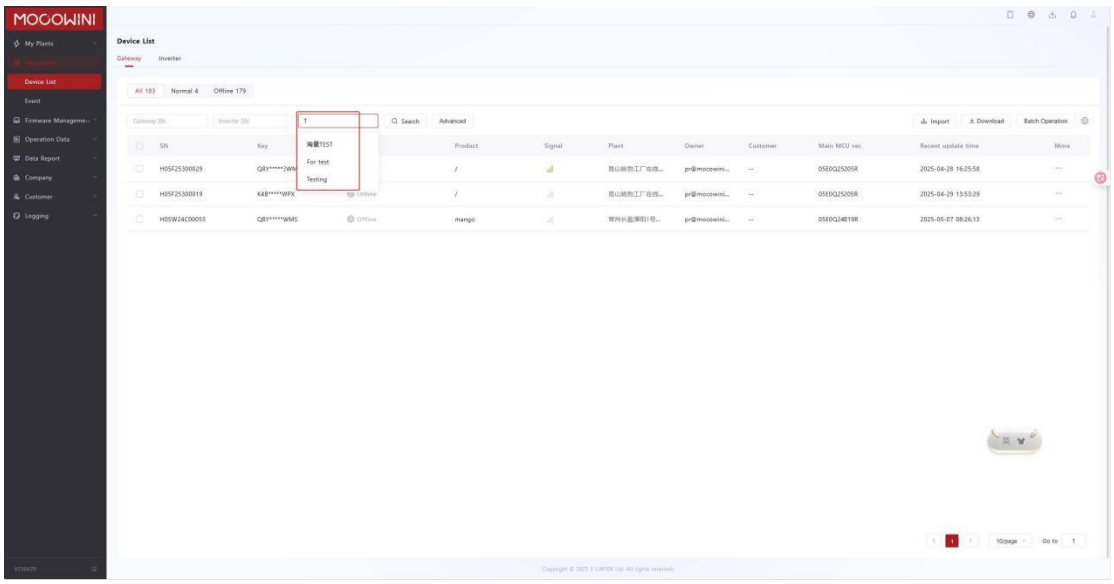


Now show the gateway that found "90".

Search the gateway by the inverter serial number, and only need to enter the key numbers to carry out fuzzy search, as shown in the figure:



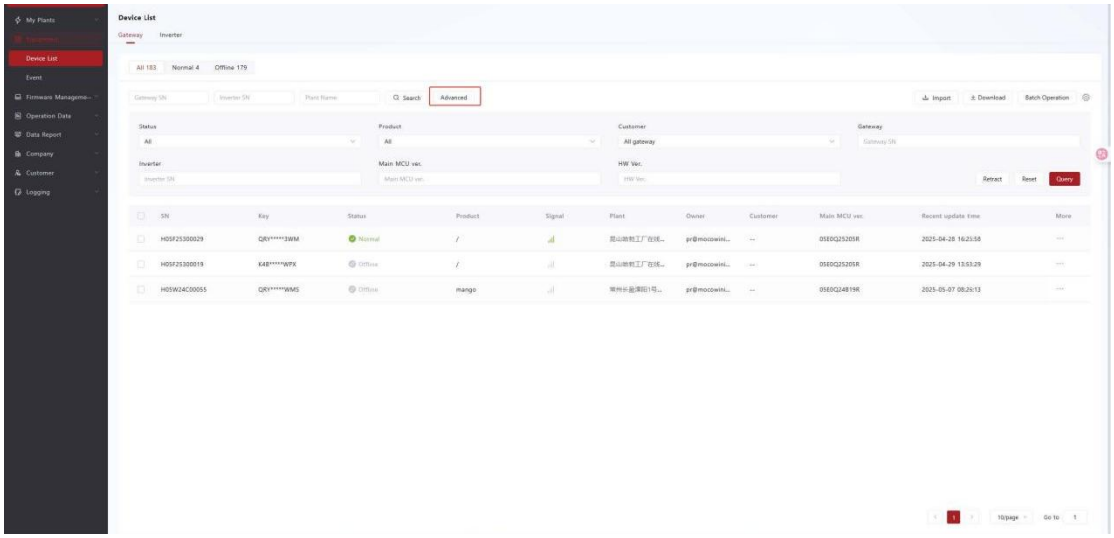
Search the gateway by the name of the plant. By entering key words, the system will automatically pop up a drop-down box for users to choose, as shown in the figure:



You can also click the search plant to jump to the corresponding plant.。

5.1.1.2.2 Advanced Search

By clicking "Advanced", you can see the following filtering information, as shown in the figure:

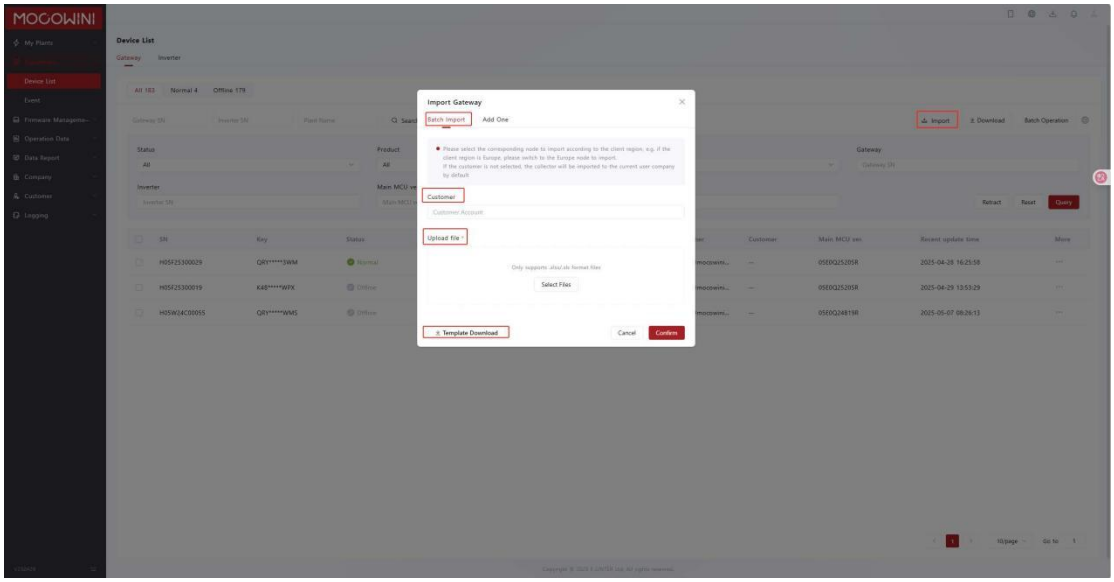


The search logic is the same as above.

5.1.1.3 Import Gateway

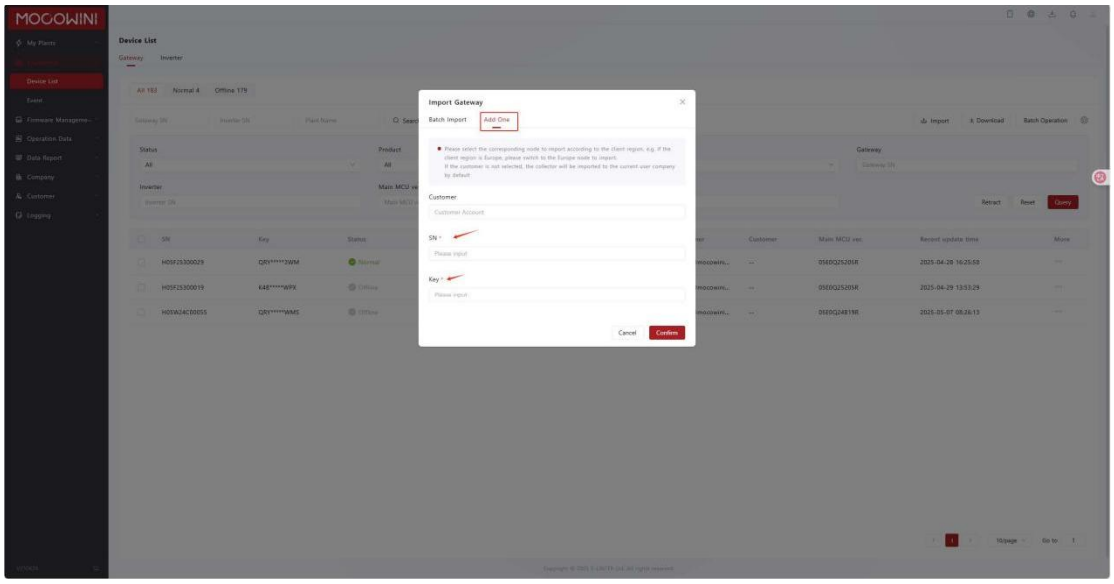
5.1.1.3.1 Batch Import

Click "Import" on the right and select "Batch Import". If there is no "Customer name", the template will be automatically added to the current account. You can click "Template Download" in the lower left corner to download the template, as shown in the figure:



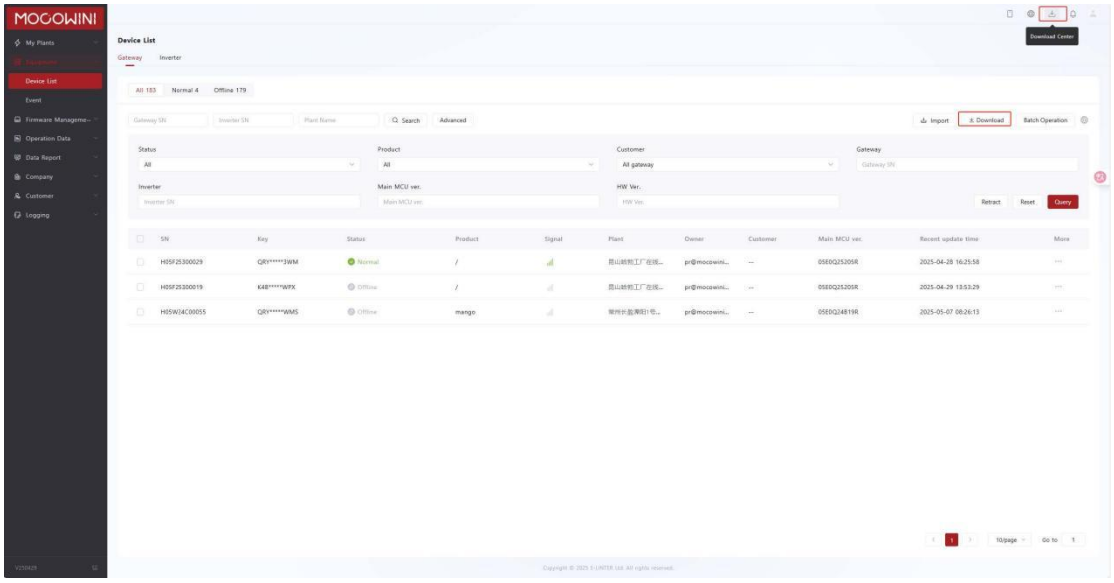
5.1.1.3.2 Add One

On the right of "Batch Add" there is "Add one", you can enter the serial number and registration code of a microinverter, as shown in the figure:

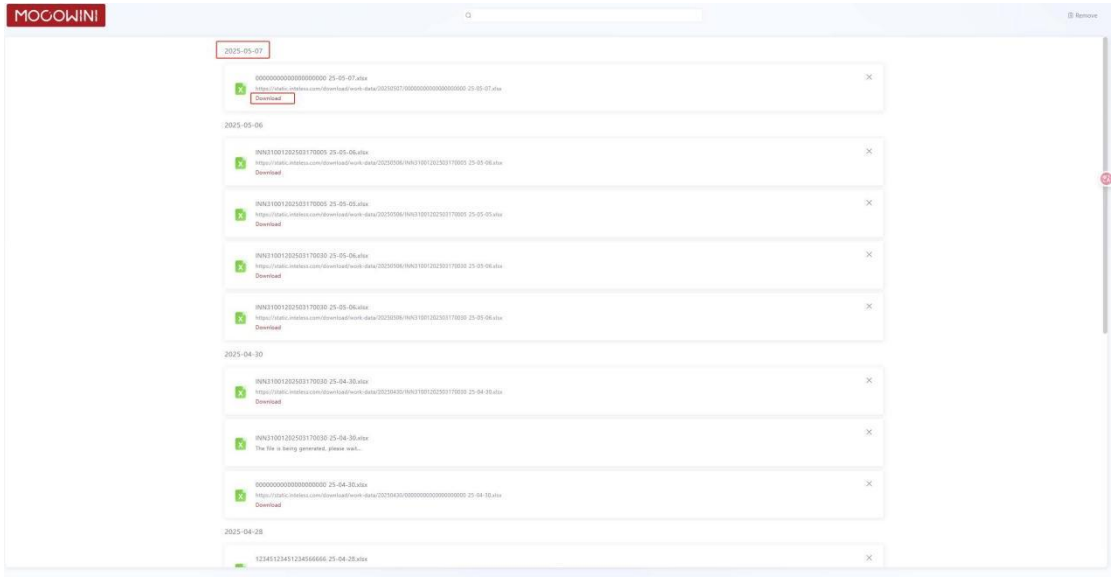


5.1.1.4 Download

Click "Download" on the right, you can click the "download center" in the upper right corner, you can add a new TAB page, in the TAB page you can see the first suffix is "xlsx" file, click download, you can see the content in the local, as shown in the figure:



In the "Download Center", you can see the files classified by time, click "Download", as shown in the figure:



5.1.1.5 Other Function

Batch operation, click "Batch operation" on the right side to "batch restart" the gateway;

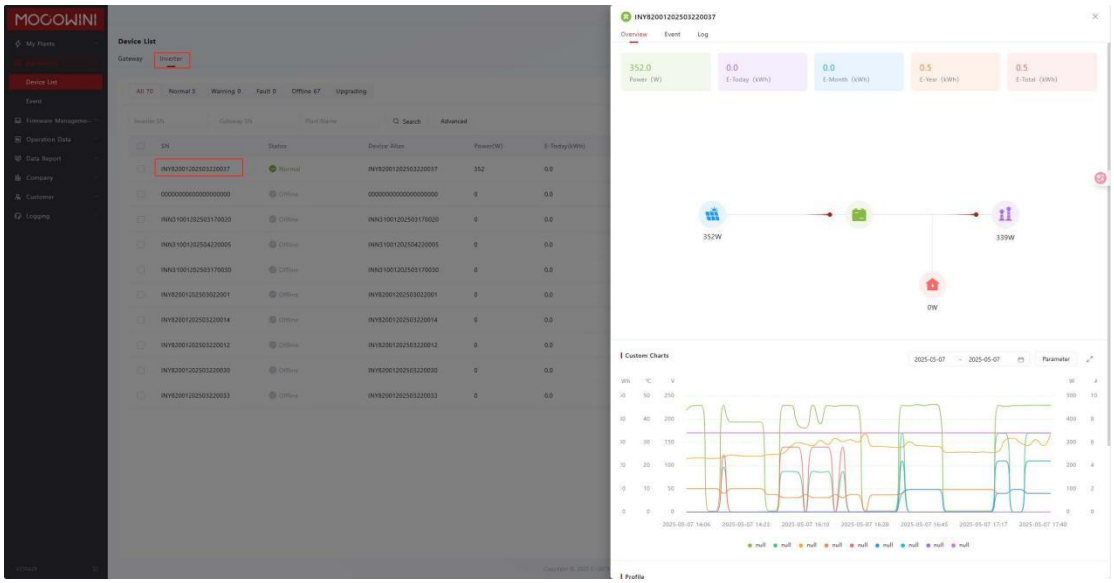
Click the gear-shaped Settings on the right side to select the column name displayed on the page;

Click the "*" of "Device Registration Code" on the left side of the page to see the complete "Device Registration Code".

5.1.2 Inverter

5.1.2.1 View Inverters by Category

The inverter status contains All, Normal, Warning, Fault, Offline, and Upgrading.
There are 6 kinds in total, select a state to view the corresponding state of the inverter, click the inverter serial number to see the inverter details, as shown in the figure:

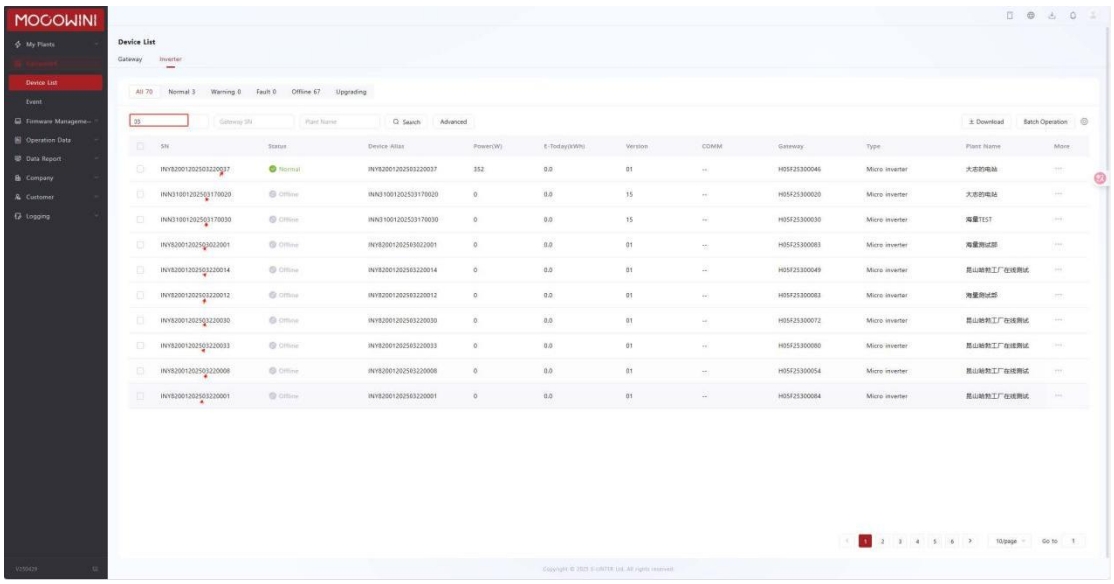


The number of inverters shown on a page can be selected in the lower right corner.

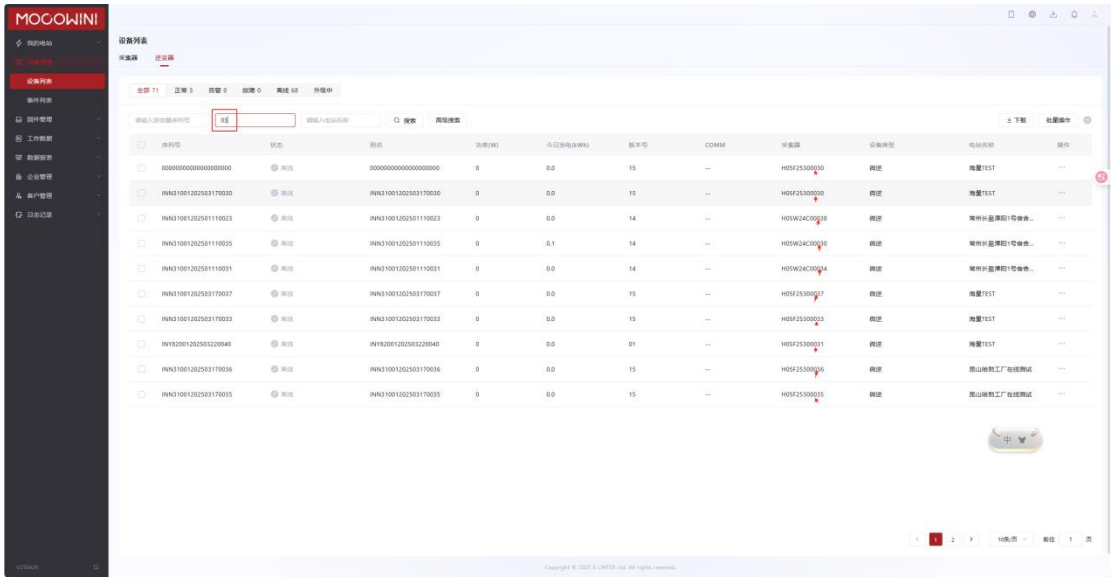
5.1.2.2 Search Inverter

5.1.2.2.1 General Search

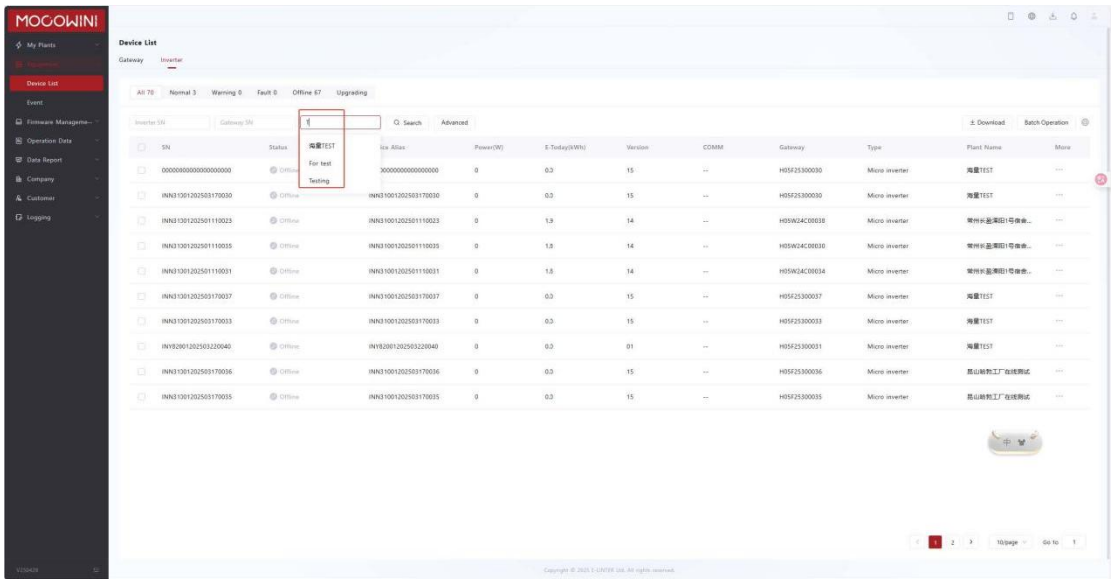
In inverter search, keywords can be entered for fuzzy search, and inverters containing the keywords can be searched, as shown in the figure:



·在采集器序列号搜索中，可以输入关键词进行模糊搜索，将含有该关键词的逆变器都搜索出来，如图：

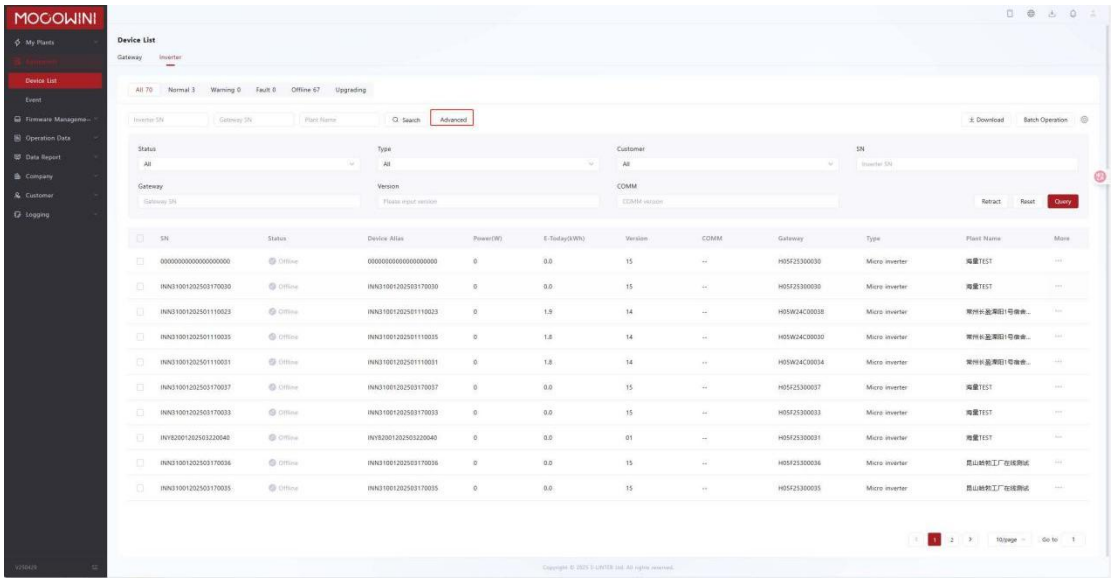


In the gateway serial number search, keywords can be entered for fuzzy search, and inverters containing the keywords can be searched, as shown in the figure:



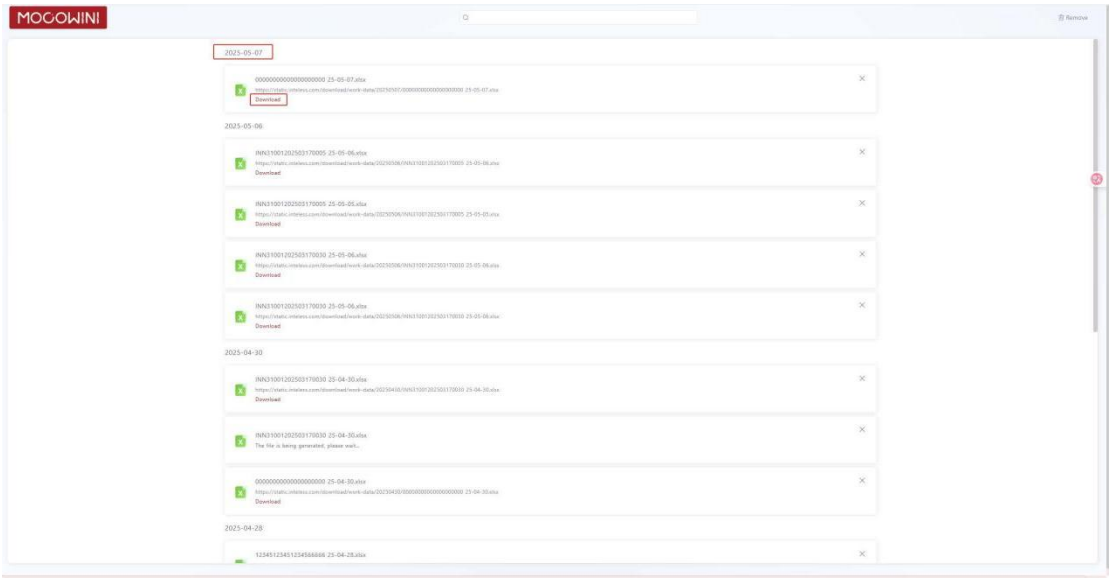
5.1.2.2.2 Advanced Search

Enter keywords in the search bar, you can select the target plant from the drop-down box, as shown in the figure:

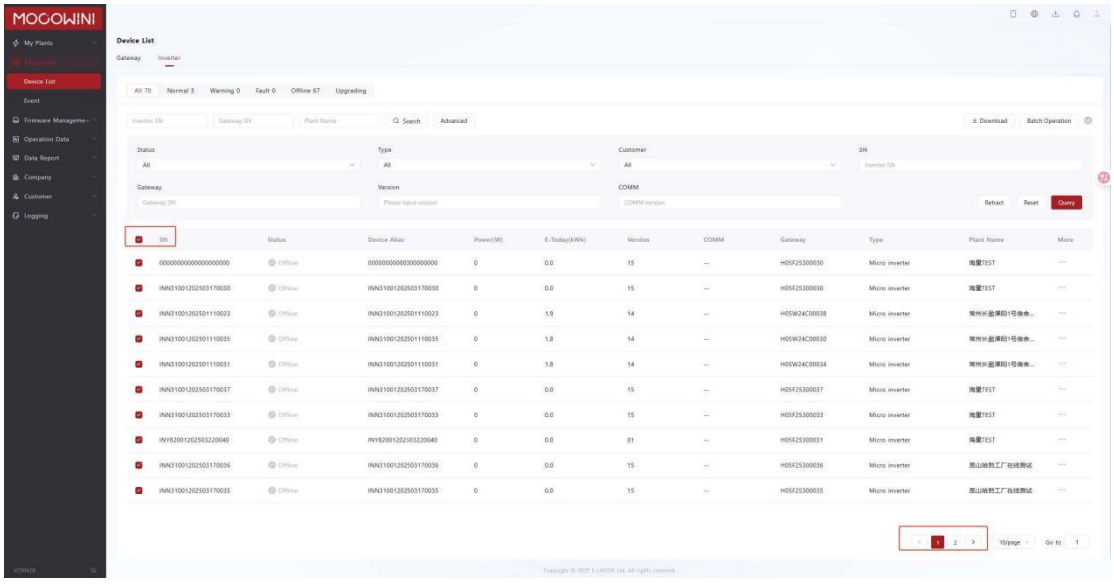


5.1.2.3 Download

You can see "Download" on the right side of the page, click "download" to download all the current inverters, and you can see the file in the "Download center" in the upper right corner, as shown in
the figure:



If you need to select a part or the required inverters, you can filter out the required inverters by "search", and then tick the box on the left. This operation can only download the currently displayed number, as shown in the figure:

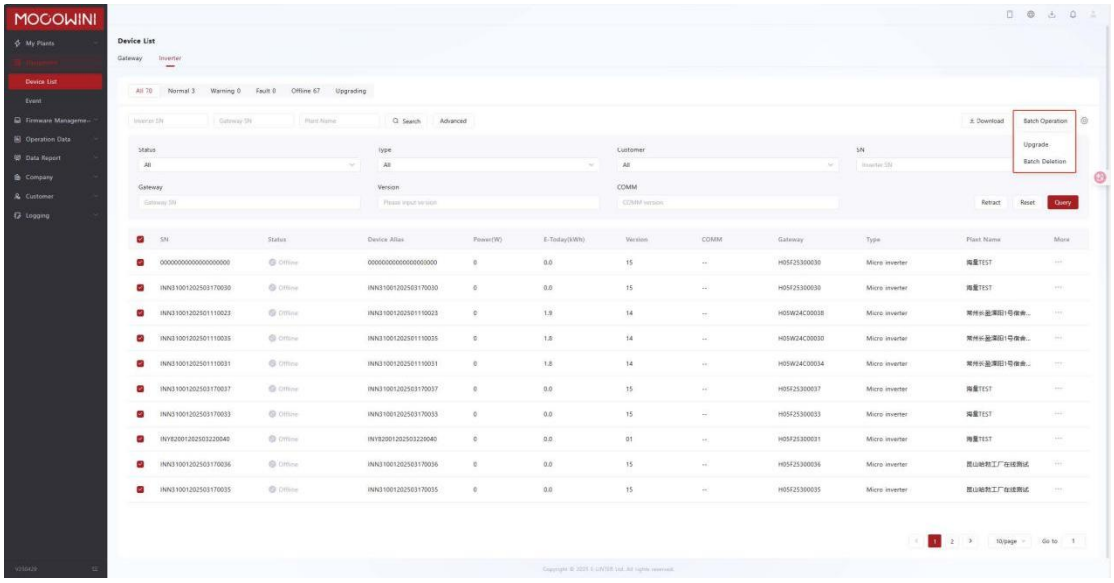


If the number is large, you can increase the number of displays in the lower right corner to download.

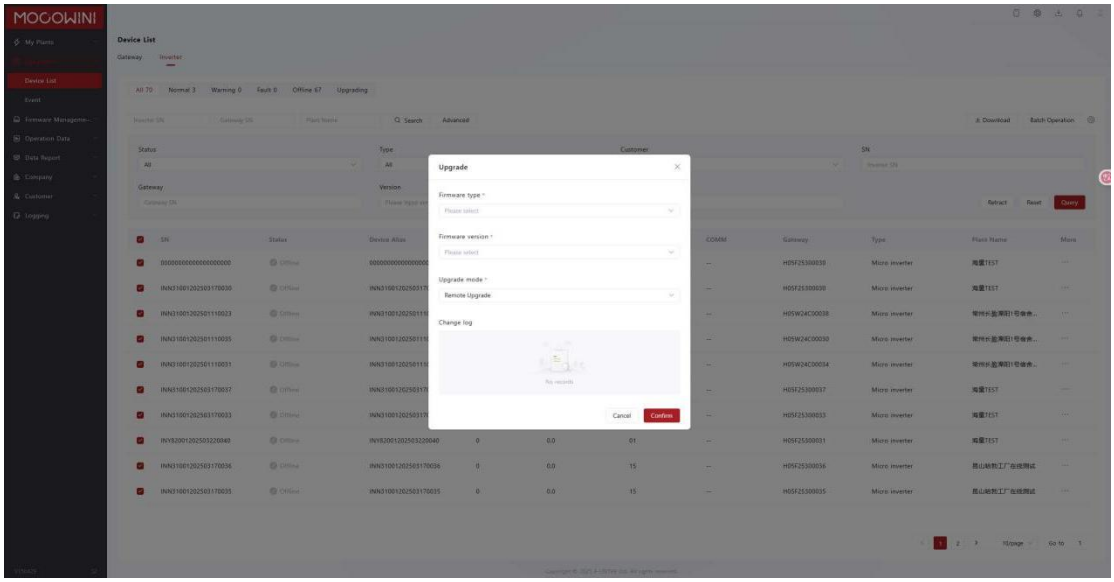
5.1.2.4 Batch Operation

5.1.2.4.1 Batch Upgrading

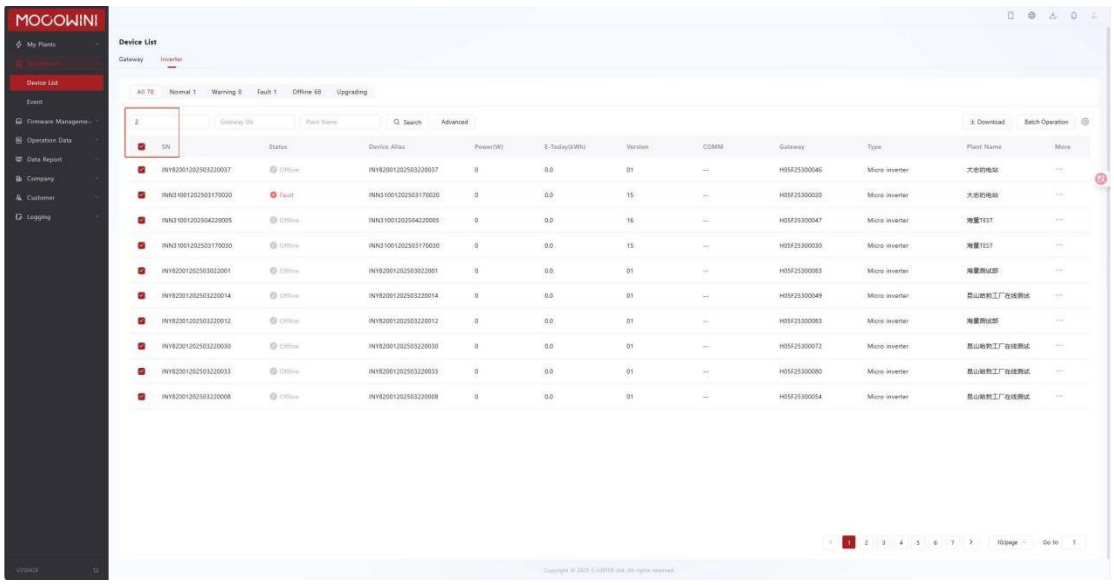
Click "Batch operation" on the right and select "Batch upgrade" to upgrade micro-inversion, as shown in the figure:



In Batch Upgrade, you can select Firmware Type, Firmware Version, and Upgrade Mode for the upgrade. Click OK to complete the operation.



To perform a batch upgrade, select inverters in the left box. You can through the "search", and then click on the left column name of this line of the box, you can current search out and display the inverter selected, as shown in the figure:

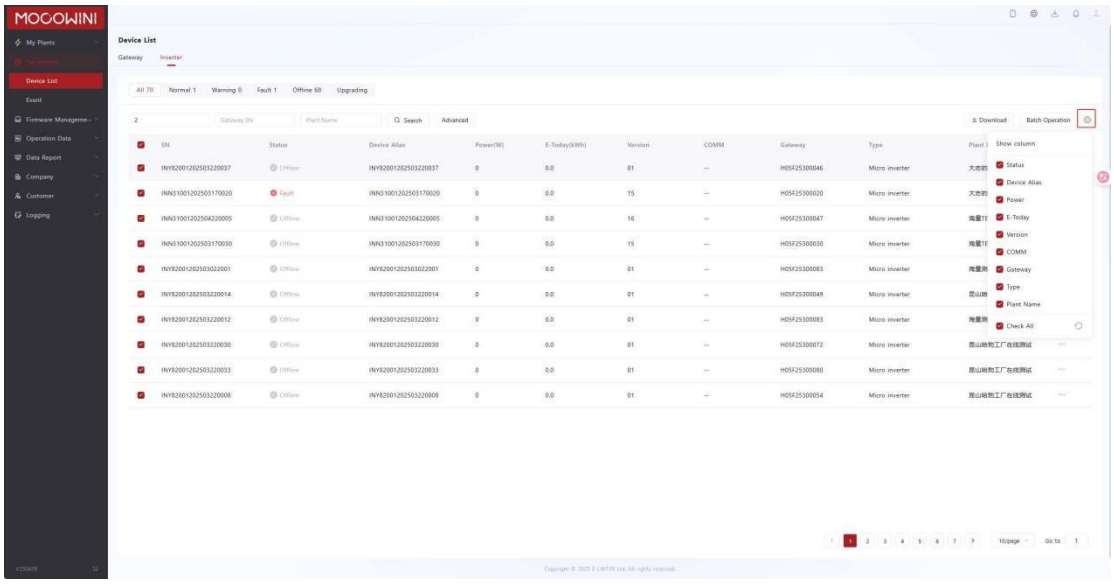


5.1.2.4.2 Batch Deletion

Click "Batch Delete" under "Batch Operation" on the right to complete the operation.

5.1.2.4.3 Other Functions

Click the gear-shaped icon on the right, you can modify the column name of the display page, as shown in the figure:



5.1.3 Battery

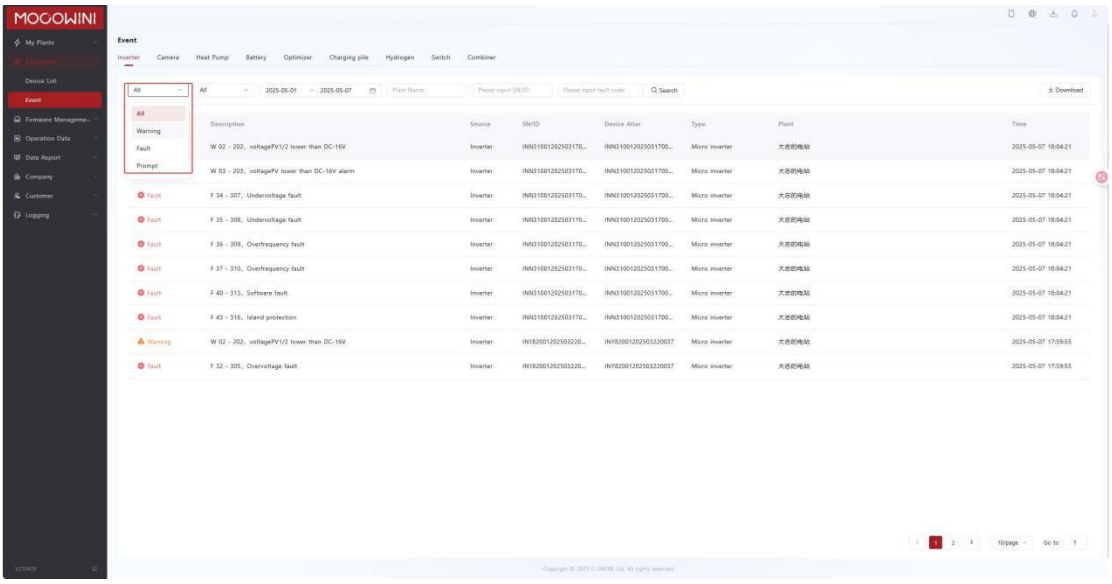
Not available.

5.2 Event List

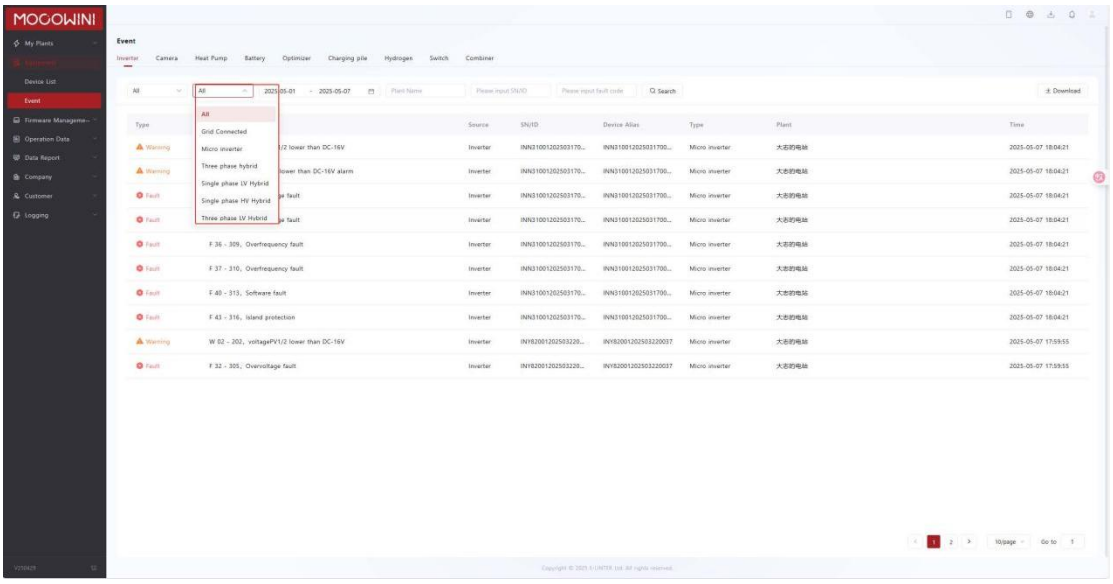
5.2.1 Inverter

5.2.1.1 Category

Select the drop-down box to select the event type, the category of "All", "Warning", "Fault", "Information" to select the required time, as shown in the figure:

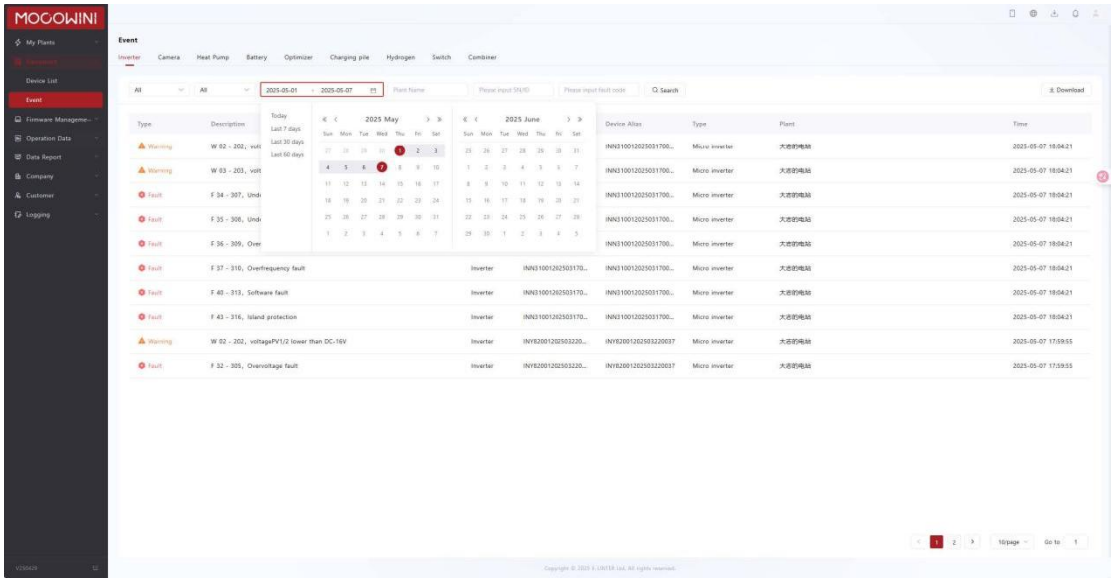


Select the drop-down box to select the micro-inverse type, categories include "all", "grid-connected", "three-phase hybrid, etc., as shown in the figure:



When viewing events, you can select a time period for more detailed viewing, as shown in the

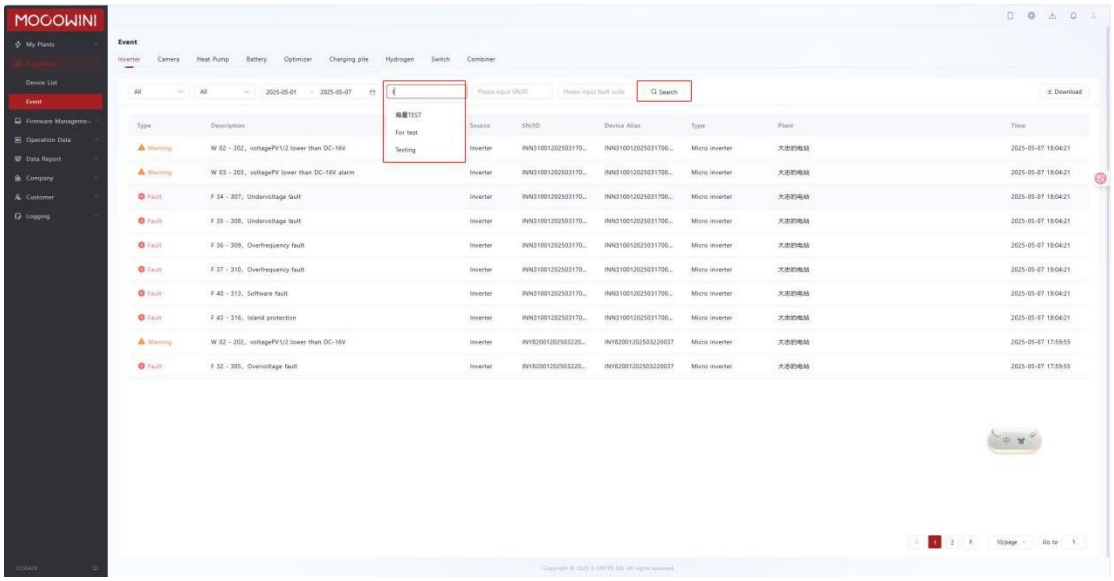
figure:



5.2.1.2 Search

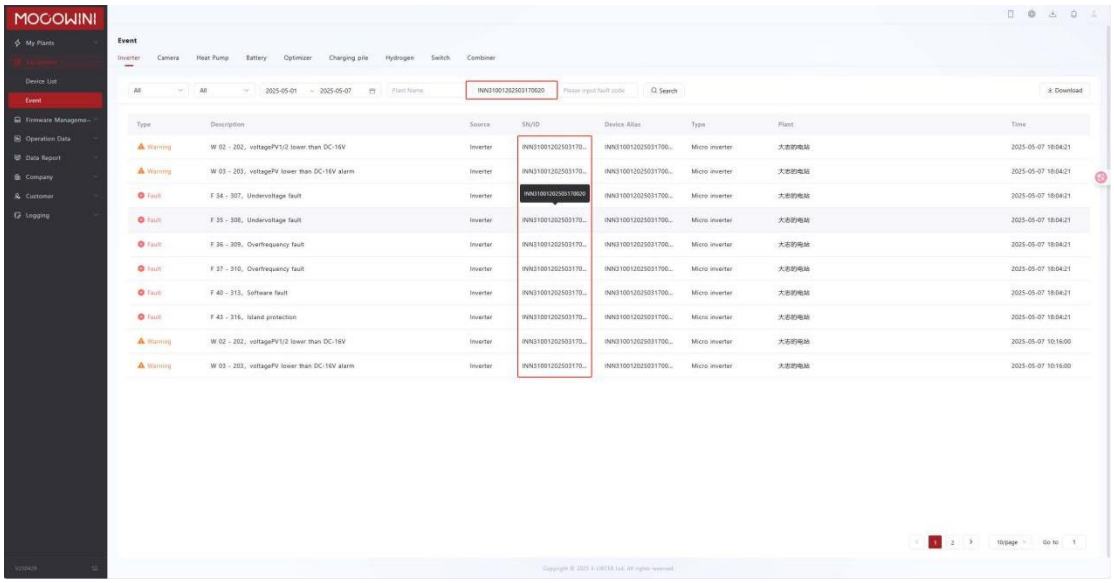
Plant Search

Enter the keyword of the name of the plant, and then select the drop-down box to get the event of the corresponding plant, click "search", as shown in the figure:



Serial number search

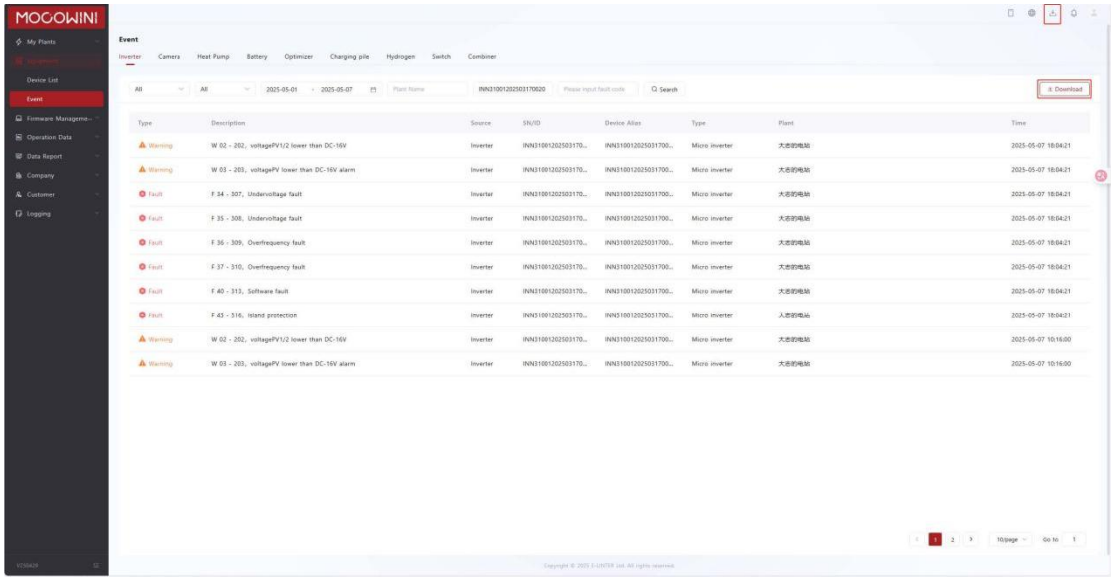
Enter the complete and correct serial number of the inverter and click "Search", as shown in the figure:



Fault code search input

5.2.1.3 Download Function

Click "Download" on the right side of the page, you can find the file in the "Download center" on the upper right corner of the page, and click "Download" in the latest time file, as shown in the figure:

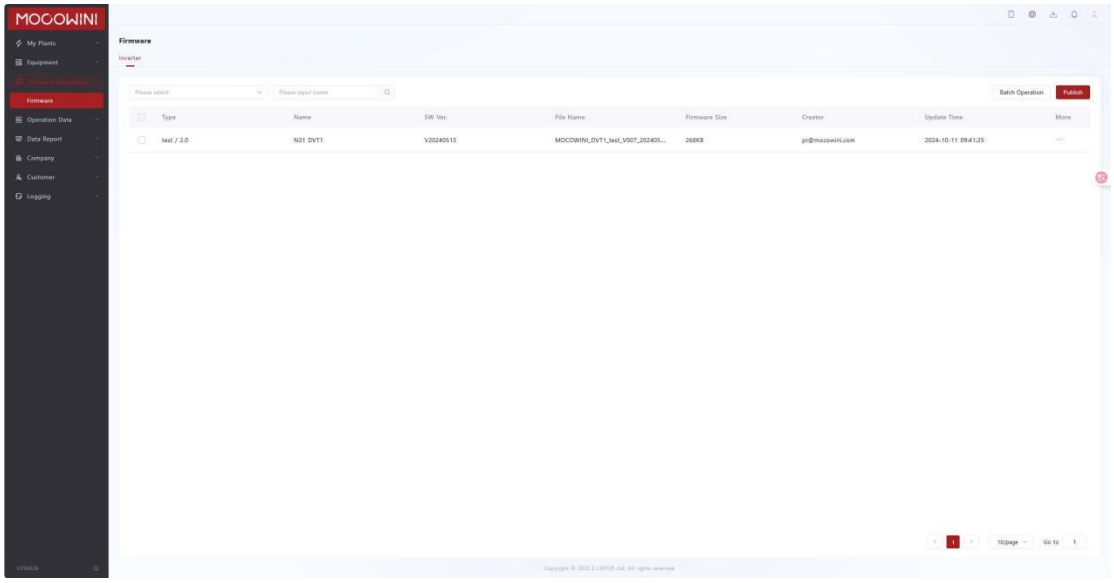


5.2.2 Other Equipment

"Camera", "heat pump", "battery", "Optimizer", "charging pile", "hydrogen energy", "switch", "bus box" business to be developed.

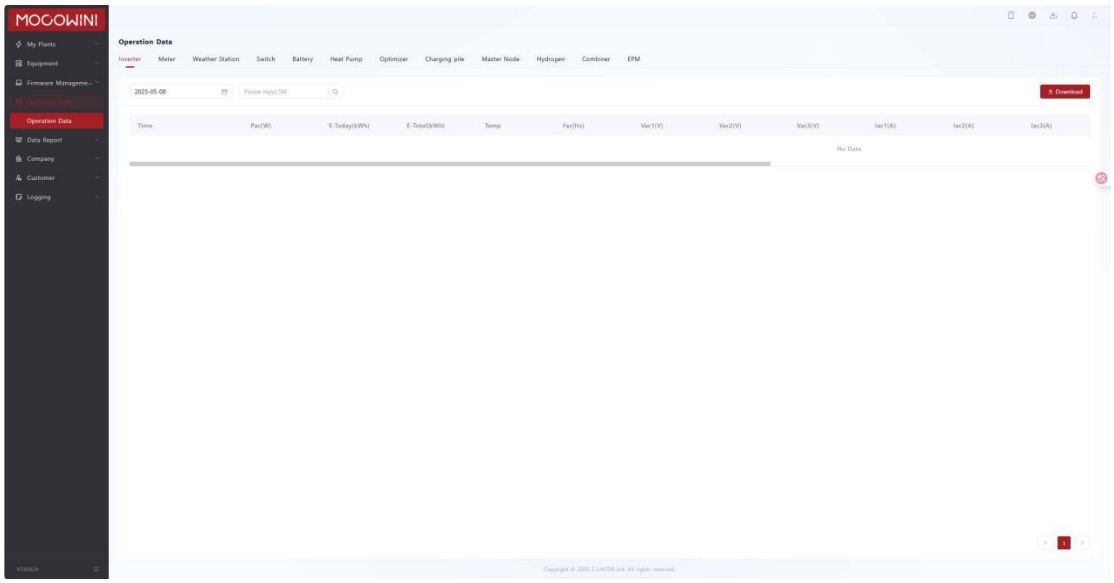
6 Firmware Management

6.1 Firmware



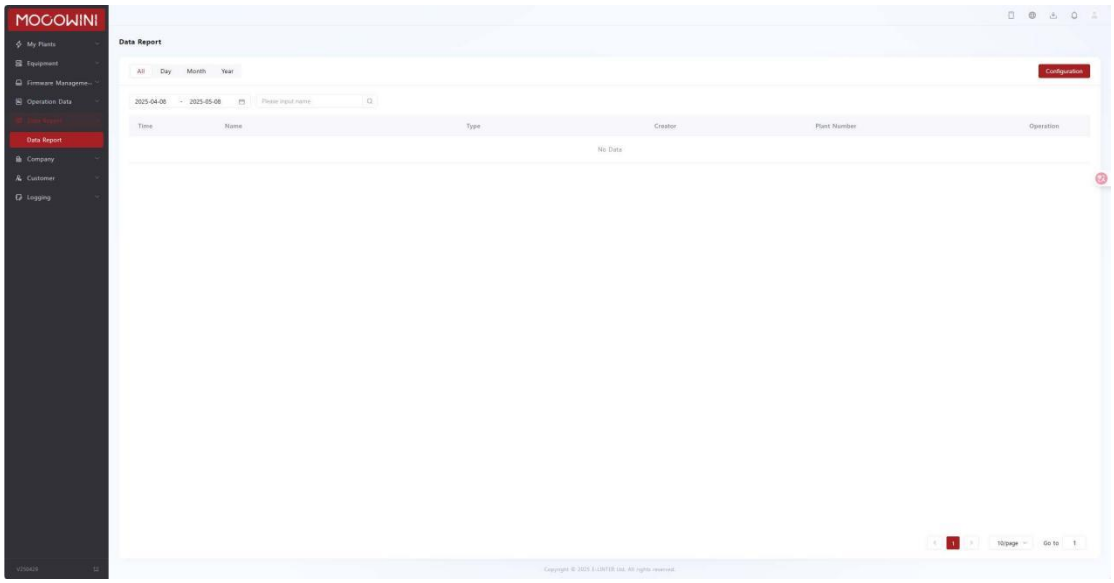
7 Operation Data

7.1 Operation Data



8 Data report

8.1 Data report



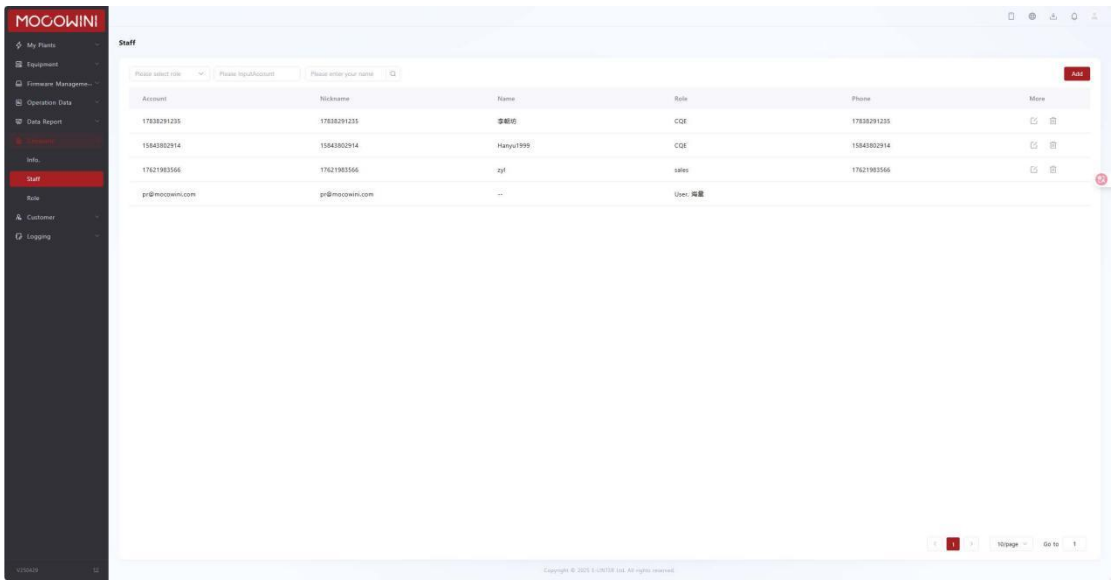
9 Company

9.1 Info

You can see the information of the current account here, click Edit on the right, you can modify the information, as shown in the figure：

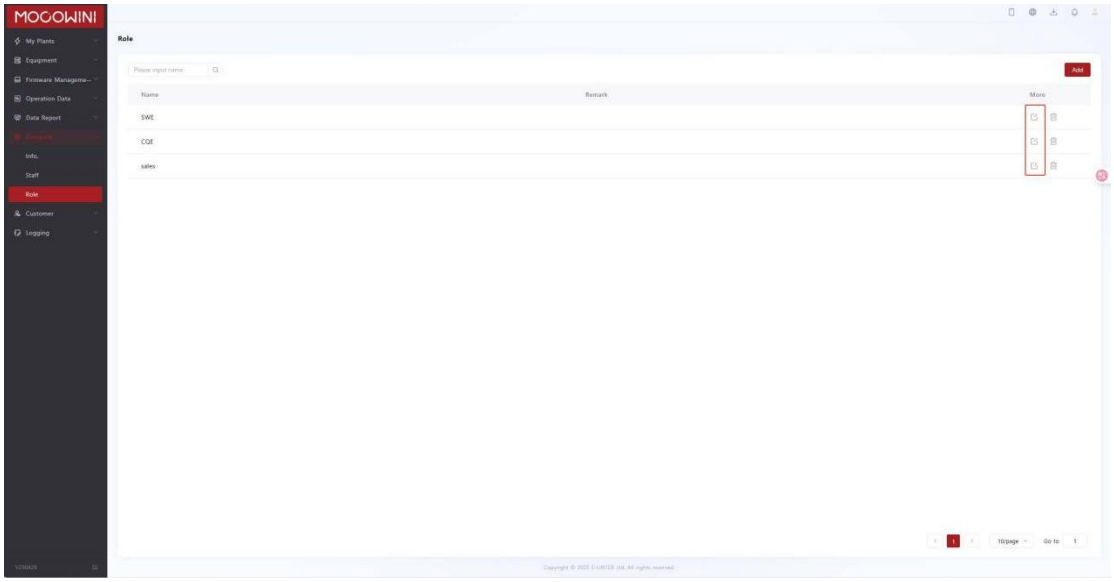
9.2 Staff

On the right side of the "Employee management" page, click "Add" to enter the registered account and edit name, give the account an identity and obtain certain permissions, as shown in the figure:

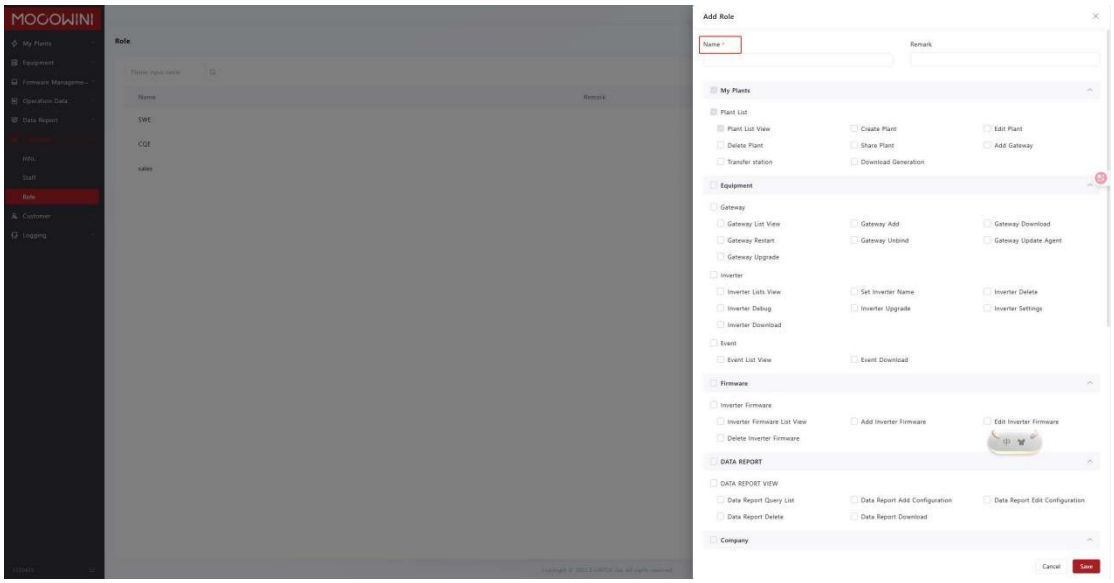


9.3 Role

Click "Role", you can see the set roles, and assign functional permissions to each role, as shown in the figure:



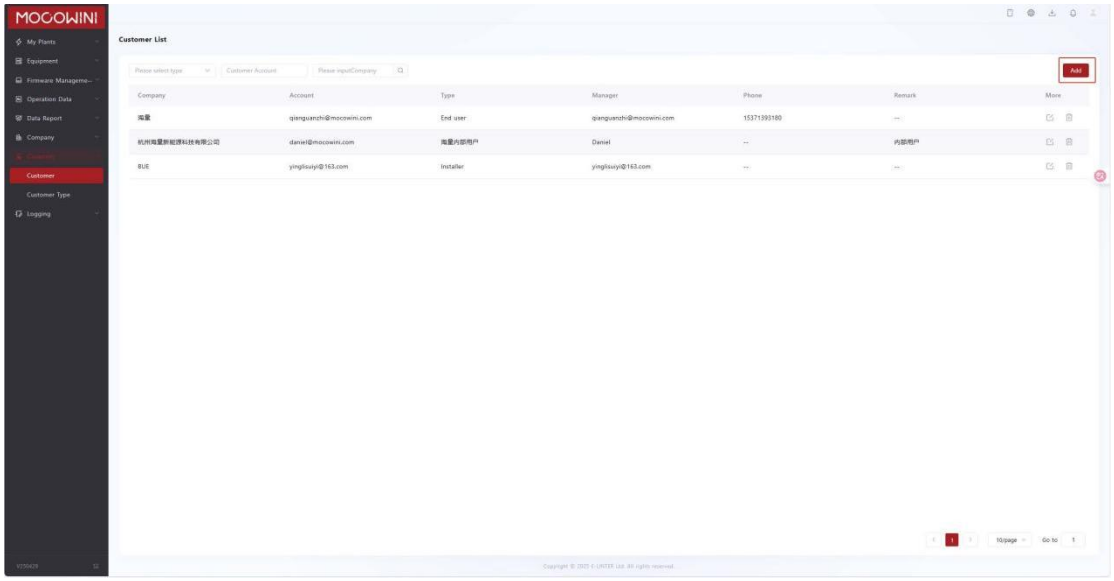
Click the "Add" button on the right, you can add the role, enter the "name", and then check the function below to grant permissions, as shown in the figure:



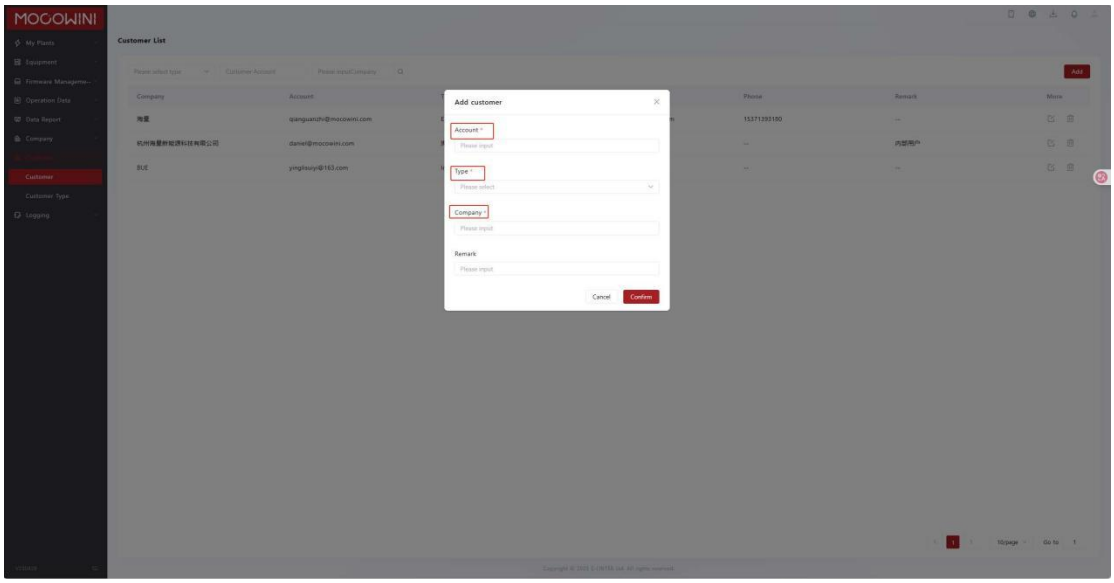
10 Customer

10.1 Customer

Click the "Add" button on the right to add customers, as shown in the figure:

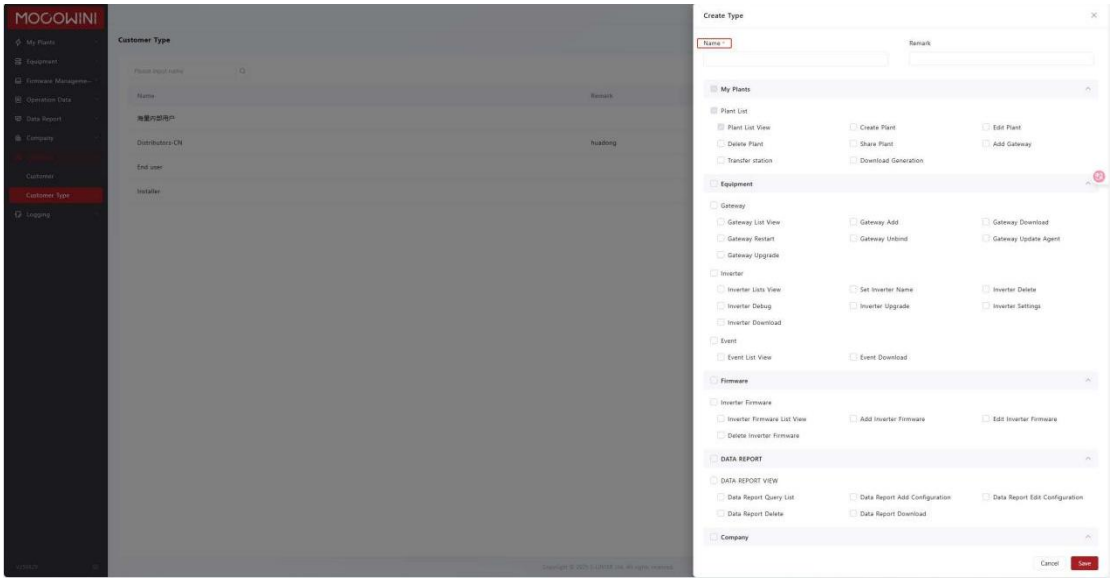


To add a customer, you need to fill in "Account", "Type" and "Company", as shown in the figure:



10.2 Customer Type

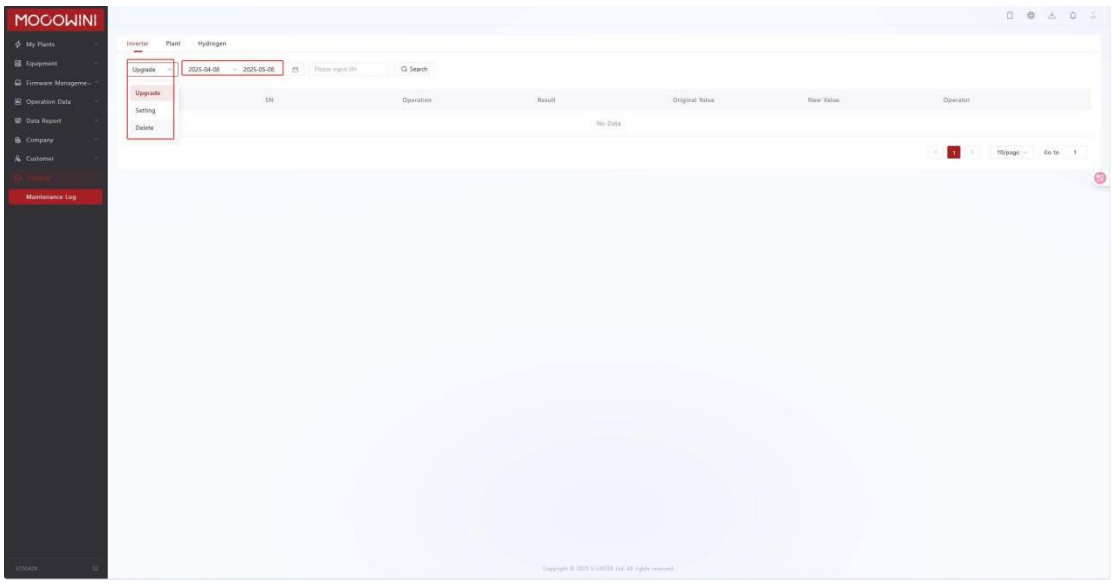
Click "Add" on the right, you can fill in "Name" and tick the box of required permissions, as shown in the figure:



11 Logging

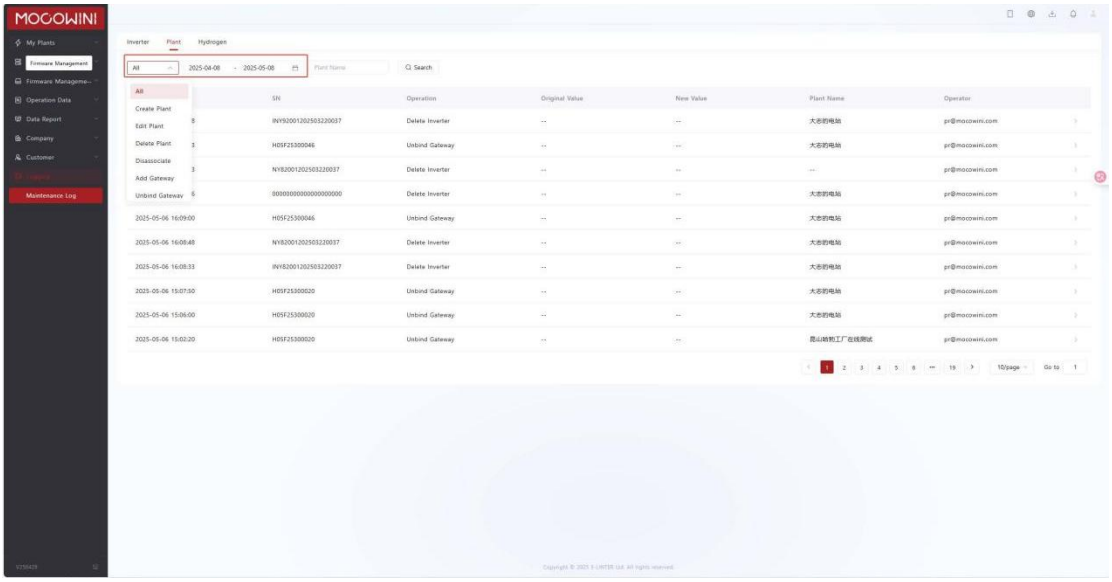
11.1 Inverter

This is the operation record of the micro-inverse. You can select the drop-down box of the operation type or select the corresponding time or enter the serial number of the corresponding micro-inverse, as shown in the figure:



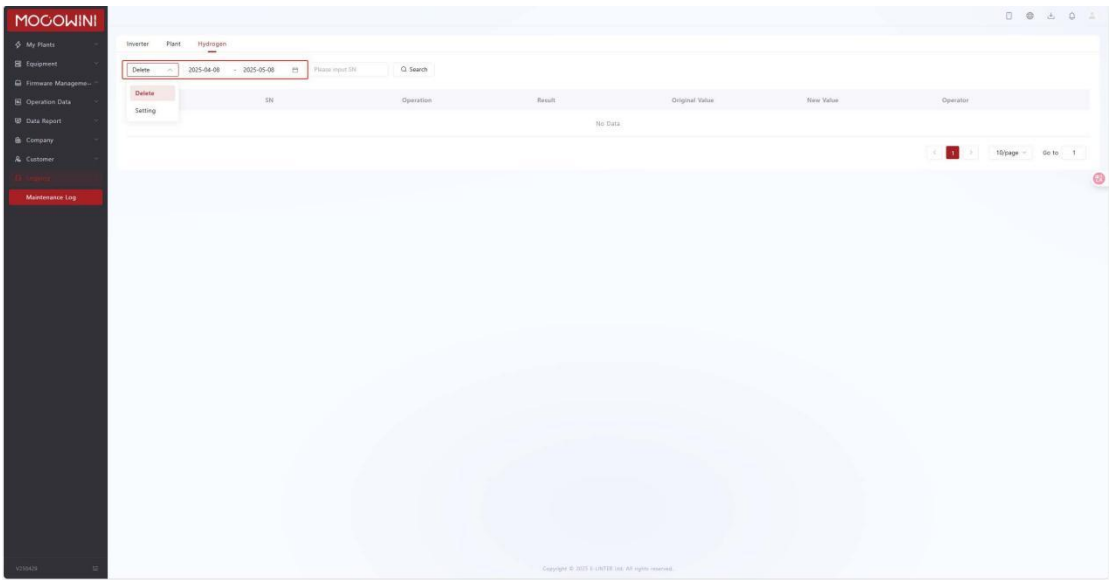
11.2 Plant

You can filter the records by selecting the drop-down box of the operation type, time period, and plant name, as shown in the figure:



11.3 Hydrogen

You can filter by type drop-down box, time period, serial number, as shown in the figure:


MOCOWINI
My Plants
Equipment
Firmware Manageme...
Operation Data
Data Report
Company
Customer
Logout
Maintenance Log
Inverter
Plant
Hydrogen
Delete
2025-04-08
2025-05-08
Please input SN
Search
Delete
Setting
SN
Operation
Result
Original Value
New Value
Operator
No Data
10/page
Go to
1