

# **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

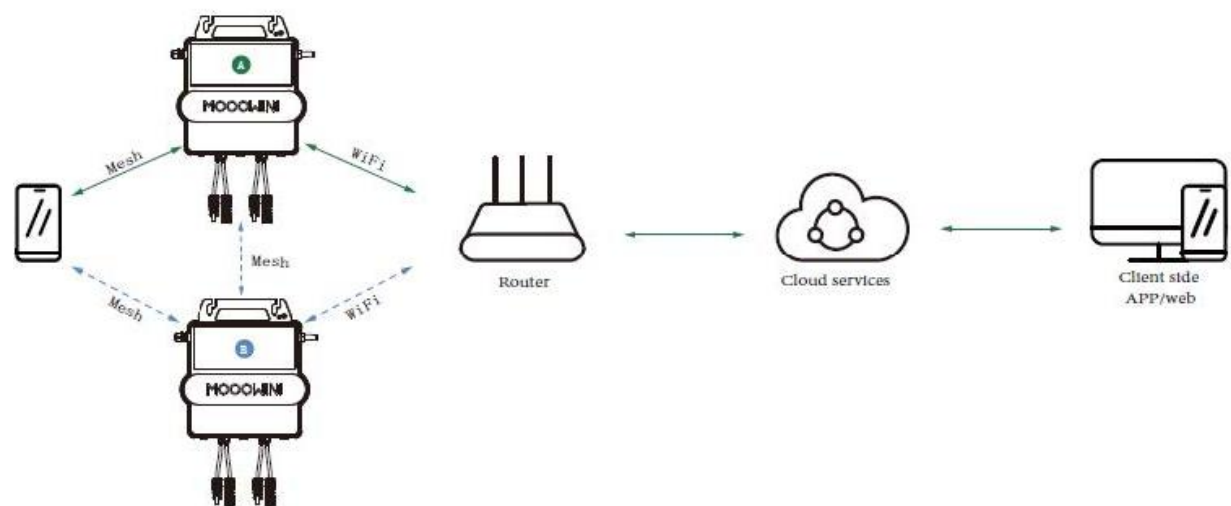
M-Cloud is an intelligent platform for monitoring and managing your photovoltaic system. It offers functions such as device operation tracking, visual layout, remote parameter settings, alarm information, power generation, and revenue analysis. The platform also ensures remote operation and maintenance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



Eng

## Register

Already have an account? [Log in](#)

Please input your phone number/E-mail

Please input your phone number/E-mail

Verification code [Get code](#)

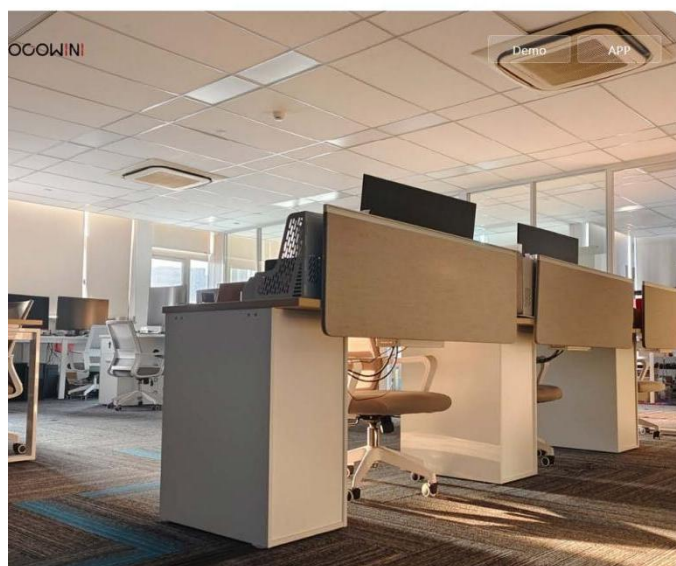
Please enter password

Enter the password again

[Agree and register](#)

☐ I have read and agreed to the [User Agreement](#)

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.



Engli

## Register

Already have an account? [Log in](#)

12345678901

Account format error, please re-enter

1234 [Get code](#)

Verification code error

Daniel12345678 [Get code](#)

Daniel12345678 [Get code](#)

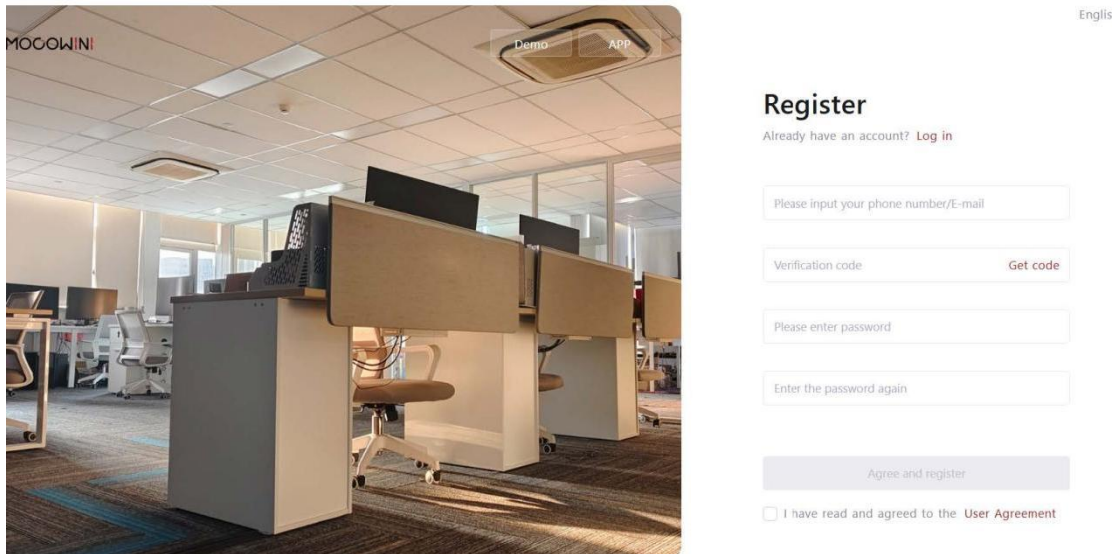
[Agree and register](#)

☒ I have read and agreed to the [User Agreement](#)

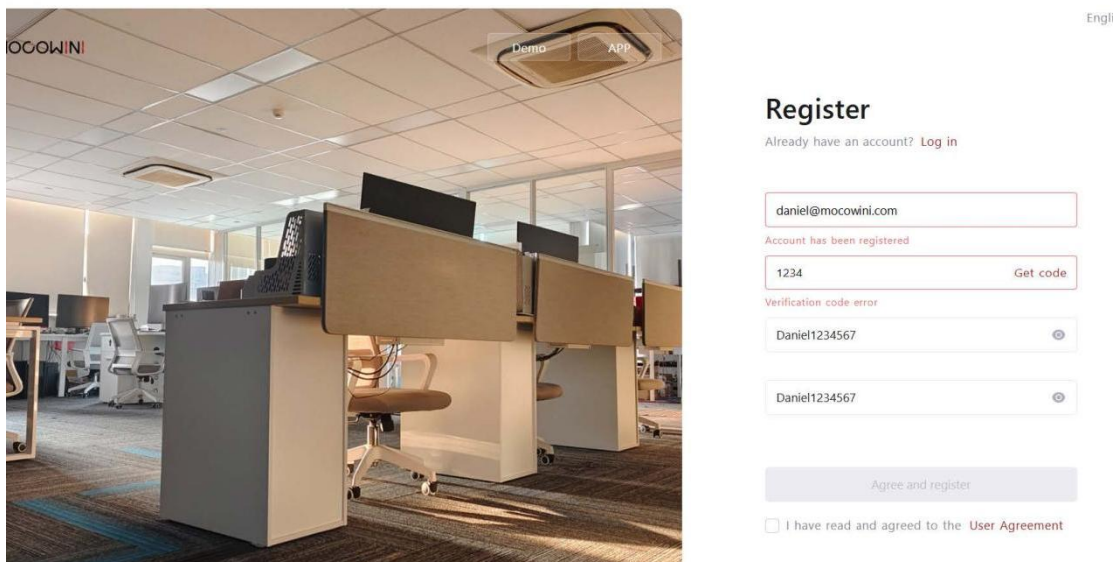
### 3.2.2 Email Registration

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.

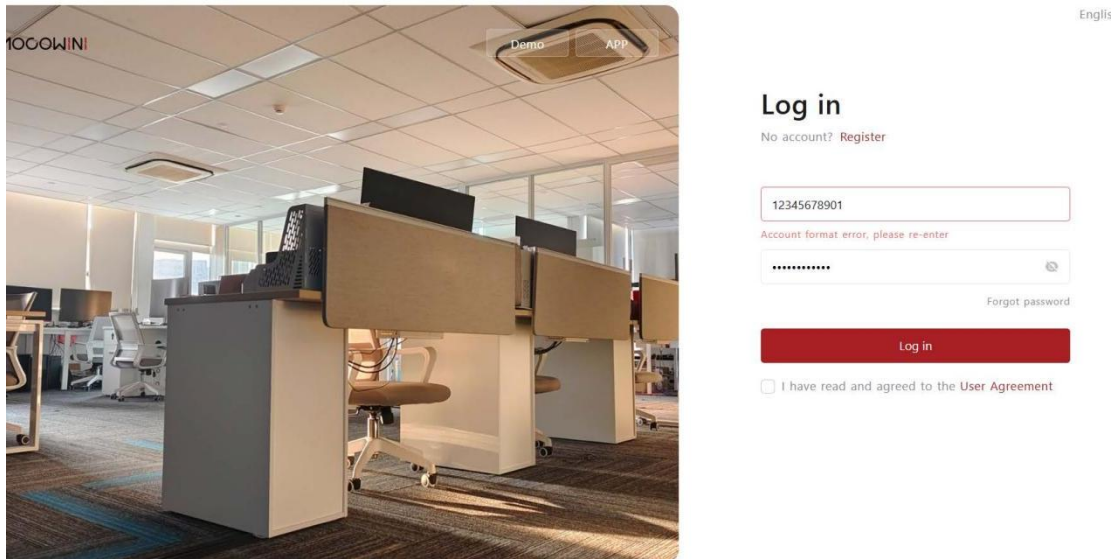


## 3.3 Login

### 3.3.1 Mobile Number Login

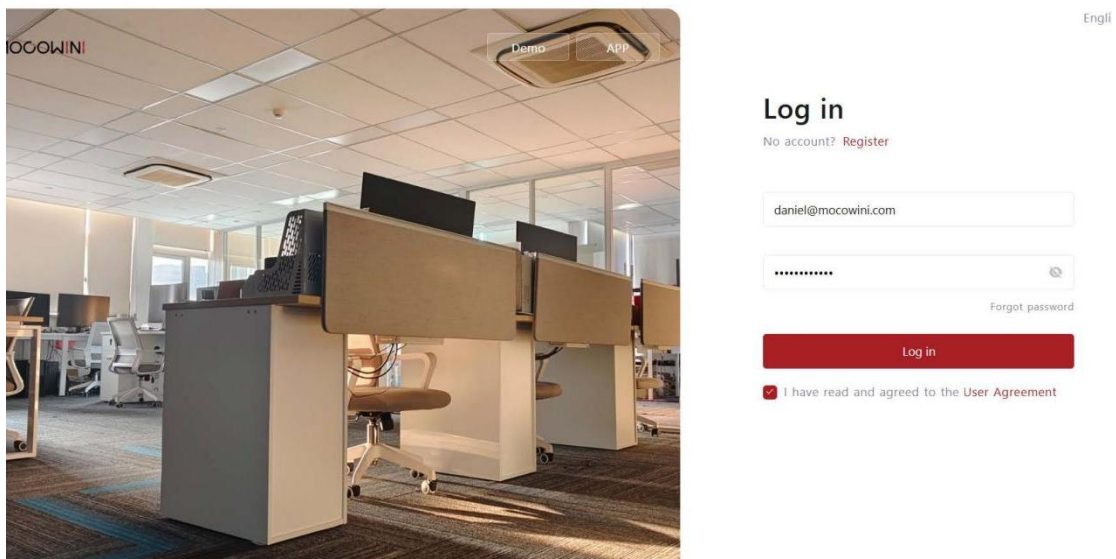
On the login page, enter your mobile number, registered password, check "I have read and agree to the user agreement," and finally click "Log in" to complete the login.





### 3.3.2 Email Login

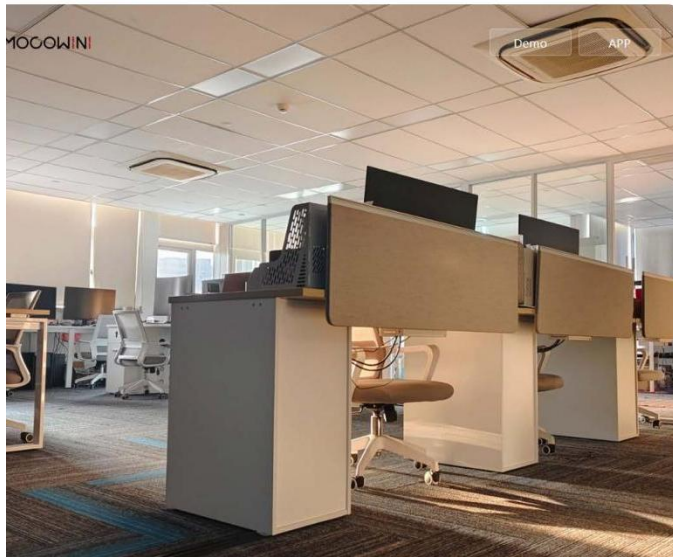
On the login page, enter your email account, registered password, check "I have read and agree to the User Agreement," and finally click "Login" to complete the login. Remember to include the suffix, such as @qq.com for QQ email or @163.com for 163 email.



### 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.



## Log in

No account? [Register](#)



[Forgot password](#)

Log in

☐ I have read and agreed to the [User Agreement](#)

## 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.



## Log in

No account? [Register](#)



[Forgot password](#)

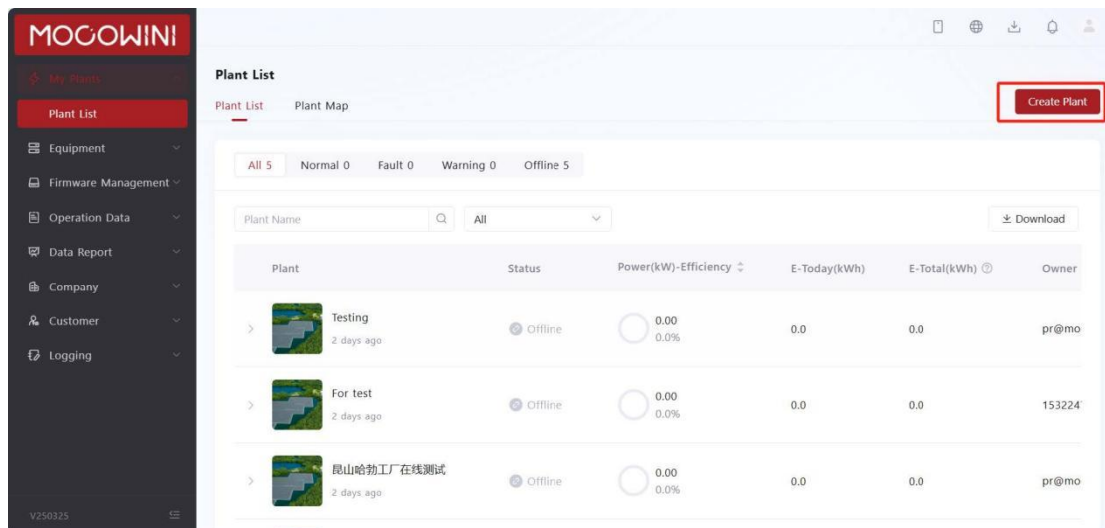
Log in

☐ I have read and agreed to the [User Agreement](#)

## 4 My Plant

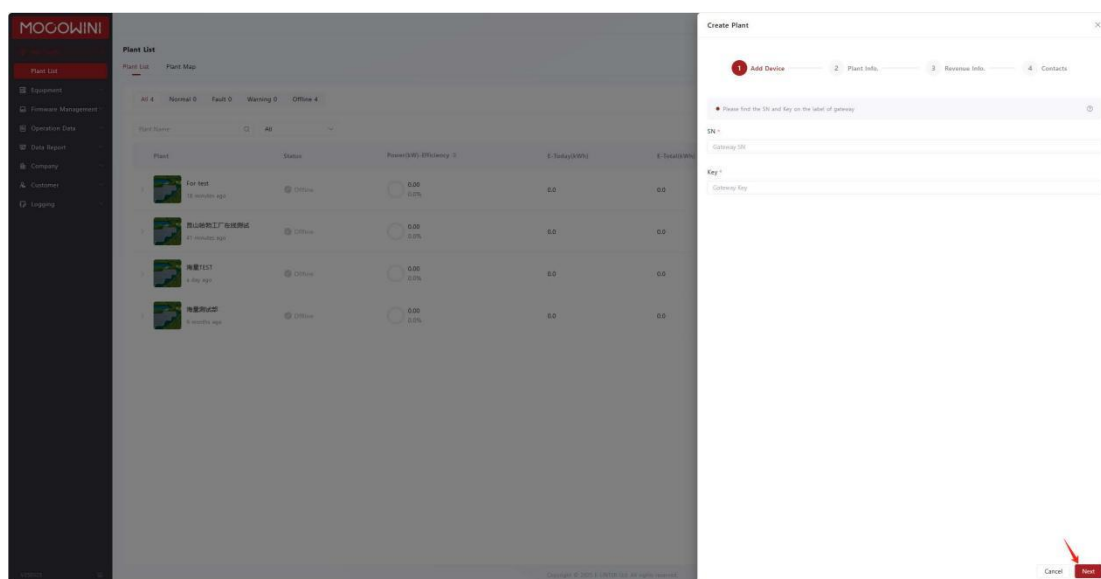
### 4.1 Creating a plant

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.

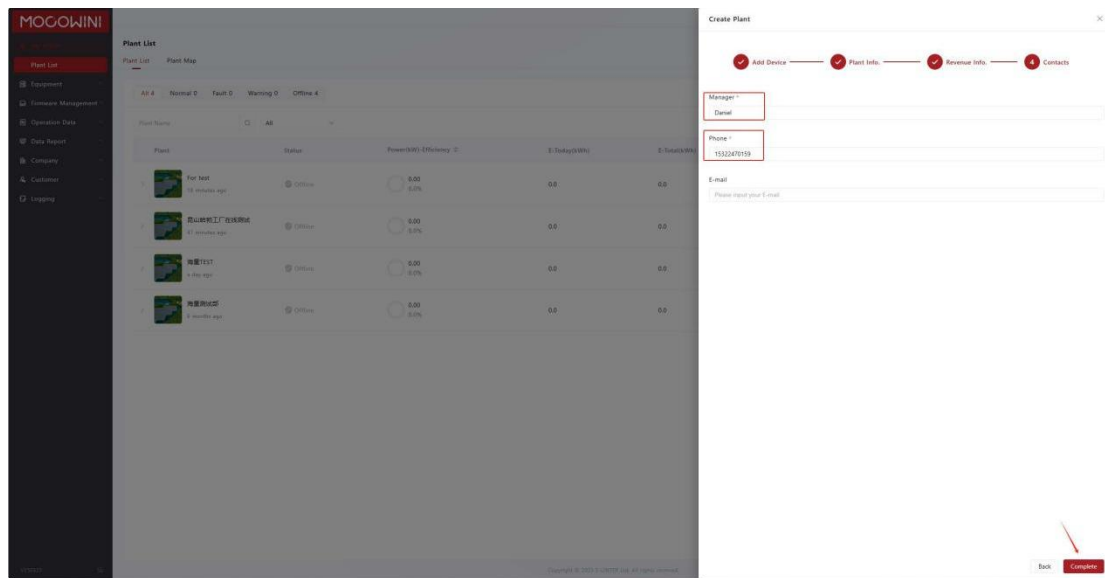
Note: You need to check the box below the "Region" to proceed to the next step. If the plant name doesn't meet the requirements and needs modification, there's a tutorial later in the document.

### 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

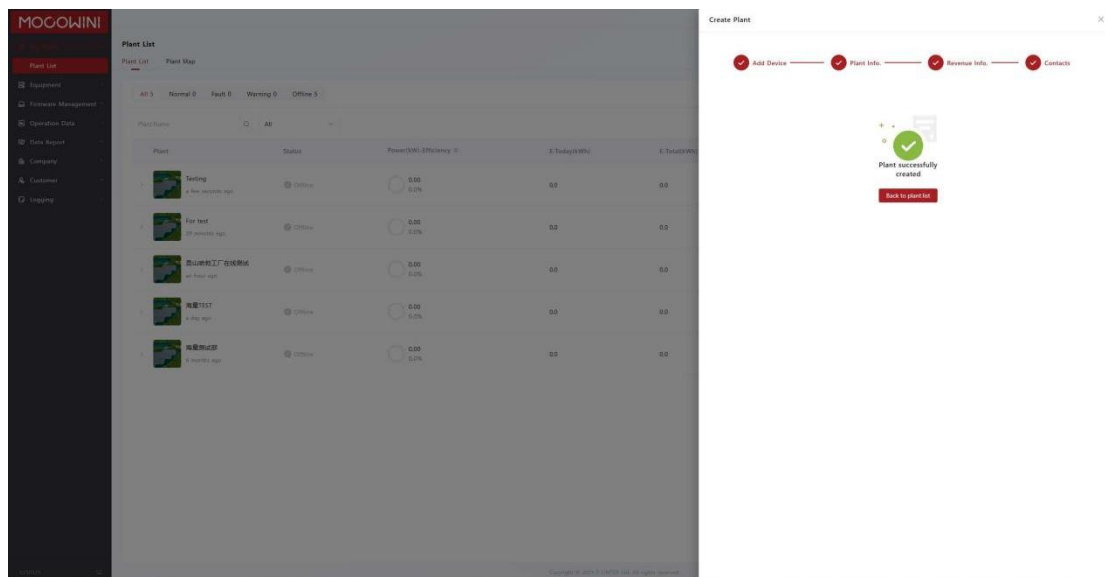
Finally, fill in the contact person's phone number for the plant, then click "Complete" in the bottom right corner to finish creating the . Currently, only mobile numbers can be entered.



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.

MOGOWINI

My Plants

Plant List

Equipment

Firmware Management

Operation Data

Data Report

Company

Customer

Logging

Plant List

Plant Map

Create Plant

All 5

Normal 0

Fault 0

Warning 0

Offline 5

Plant Name

Q

All

Download

Plant	Status	Power(kW)-Efficiency	E-Today(kWh)	E-Total(kWh)	Owner
<div>Testing</div> <div>2 days ago</div>	Offline	0.00 0.0%	0.0	0.0	pr@mo
<div>For test</div> <div>2 days ago</div>	Offline	0.00 0.0%	0.0	0.0	153224
<div>昆山哈勃工厂在线测试</div> <div>2 days ago</div>	Offline	0.00 0.0%	0.0	0.0	pr@mo

## 4.2.1 Classification

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

MOGOWINI

My Plants

Plant List

Equipment

Firmware Management

Operation Data

Data Report

Company

Customer

Logging

Plant List

Plant Map

Create Plant

All 5

Normal 0

Fault 0

Warning 0

Offline 5

Plant Name

Q

All

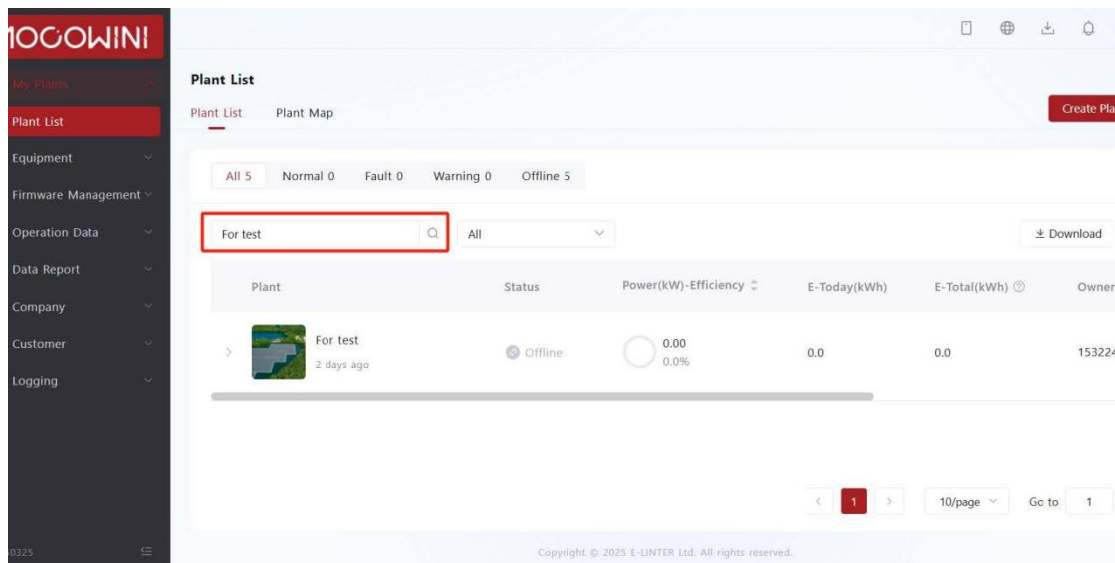
Download

Plant	Status	Power(kW)-Efficiency	E-Today(kWh)	E-Total(kWh)	Owner
<div>Testing</div> <div>2 days ago</div>	Offline	0.00 0.0%	0.0	0.0	pr@m
<div>For test</div> <div>2 days ago</div>	Offline	0.00 0.0%	0.0	0.0	15322
<div>昆山哈勃工厂在线测试</div> <div>2 days ago</div>	Offline	0.00 0.0%	0.0	0.0	pr@m

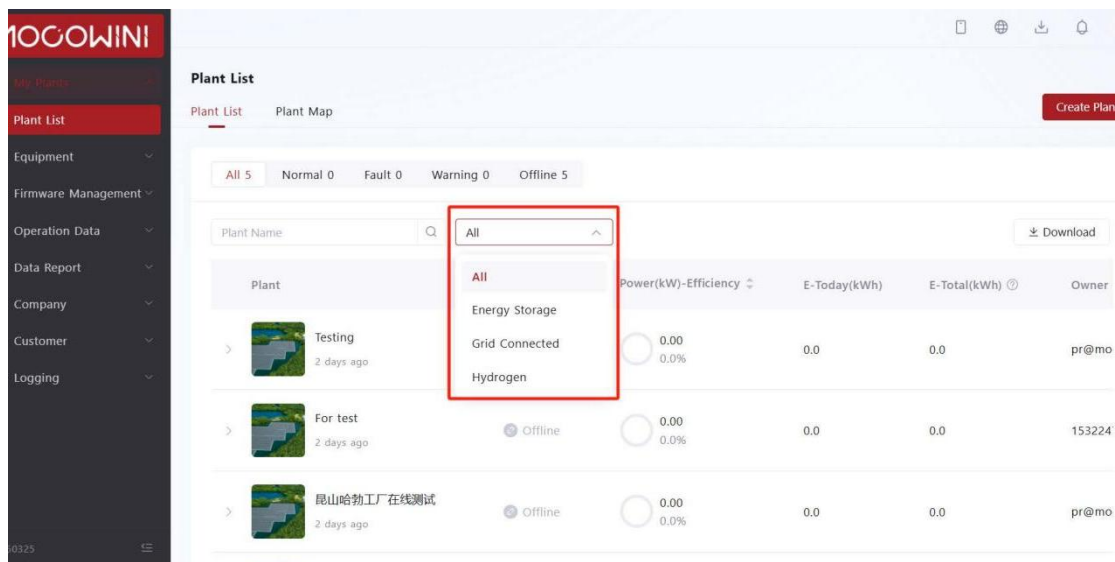
## 4.2.1 Searching for Plants

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."



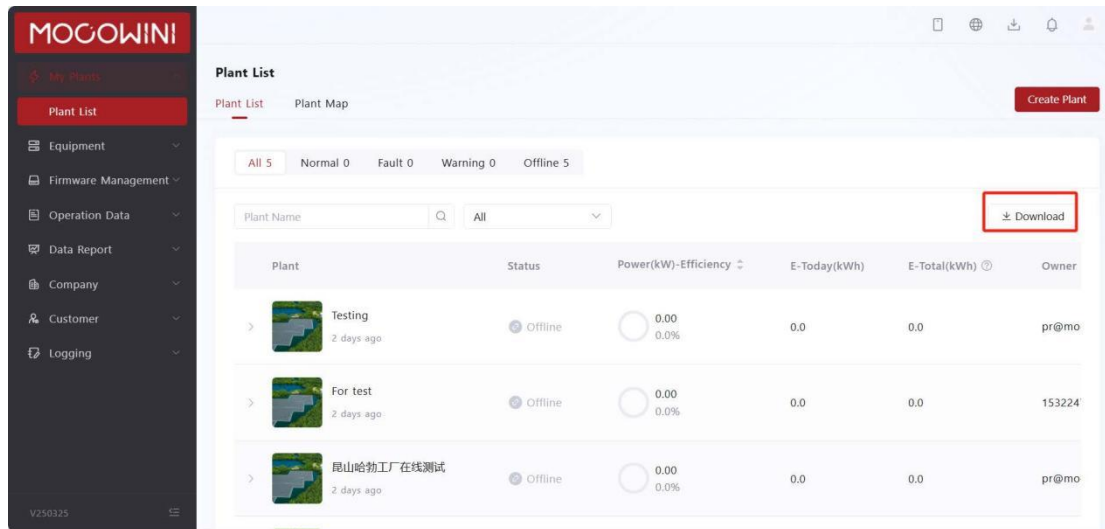
## 4.2.2 Sorting

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

## 4.2.3 Downloading Data

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.

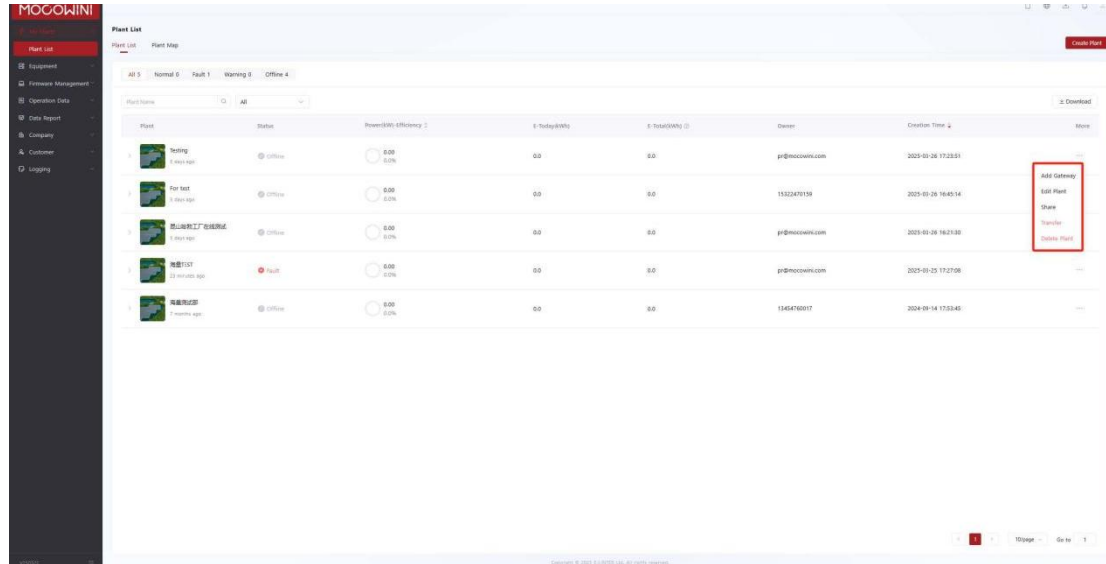


After the local excel is opened, the figure is as follows:

	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						

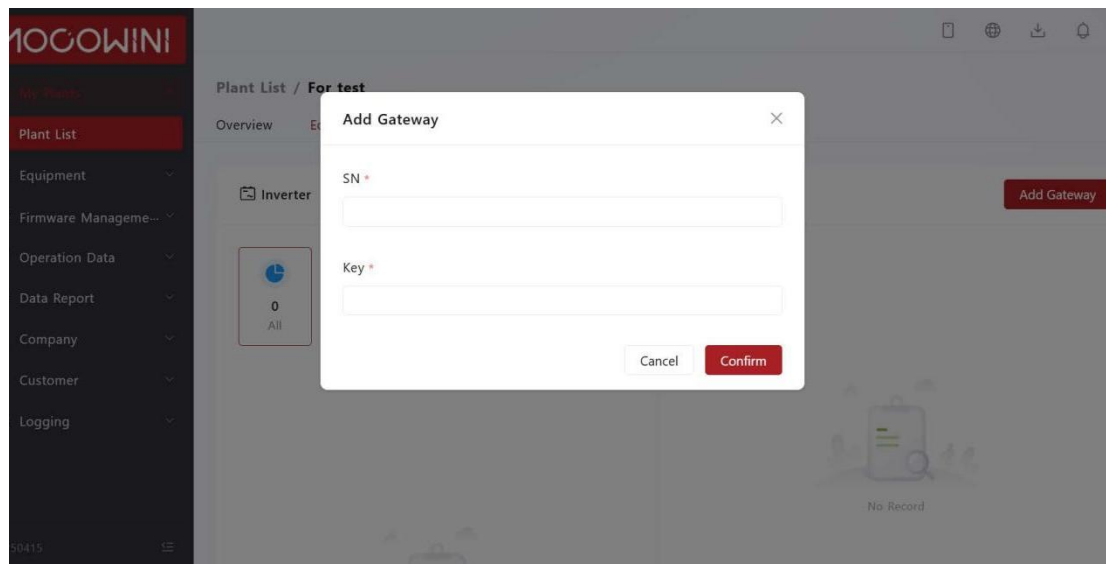
## 4.2.4 Plant Operations

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



### 4.2.4.1 Add Gateway

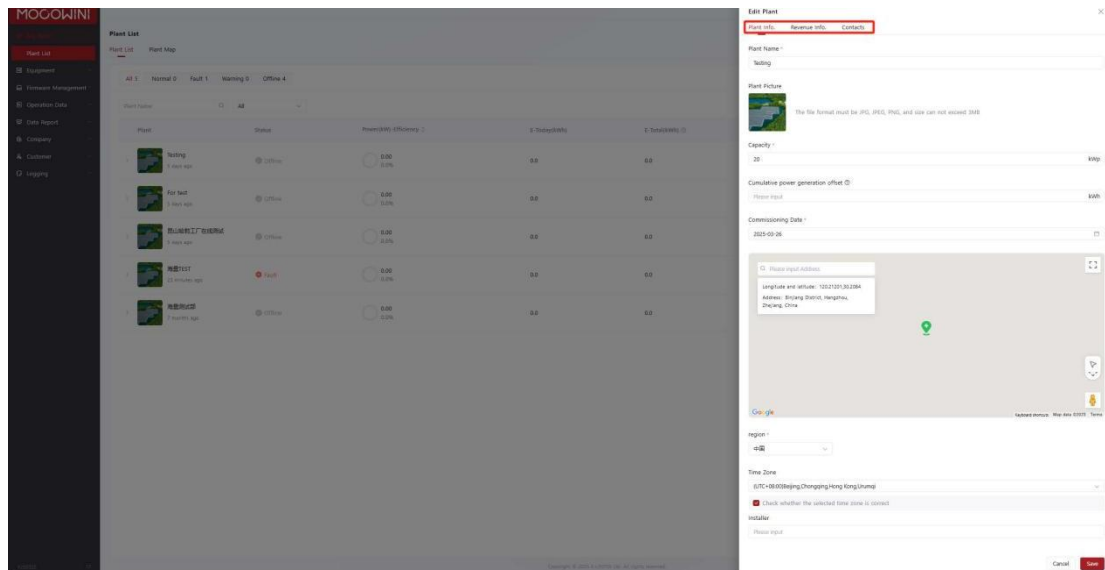
Click "Add Gateway" to input the data Gateway's SN and Key



### 4.2.4.2 Edit Plant

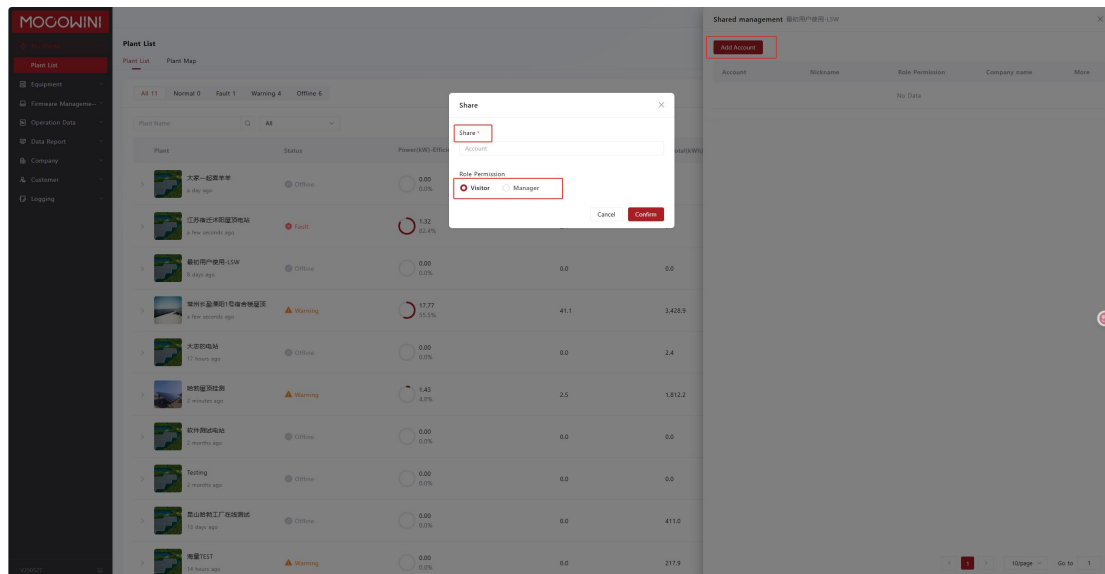
Click "Edit Plant" to modify the plant's "Plant Information," "Revenue Information," and

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

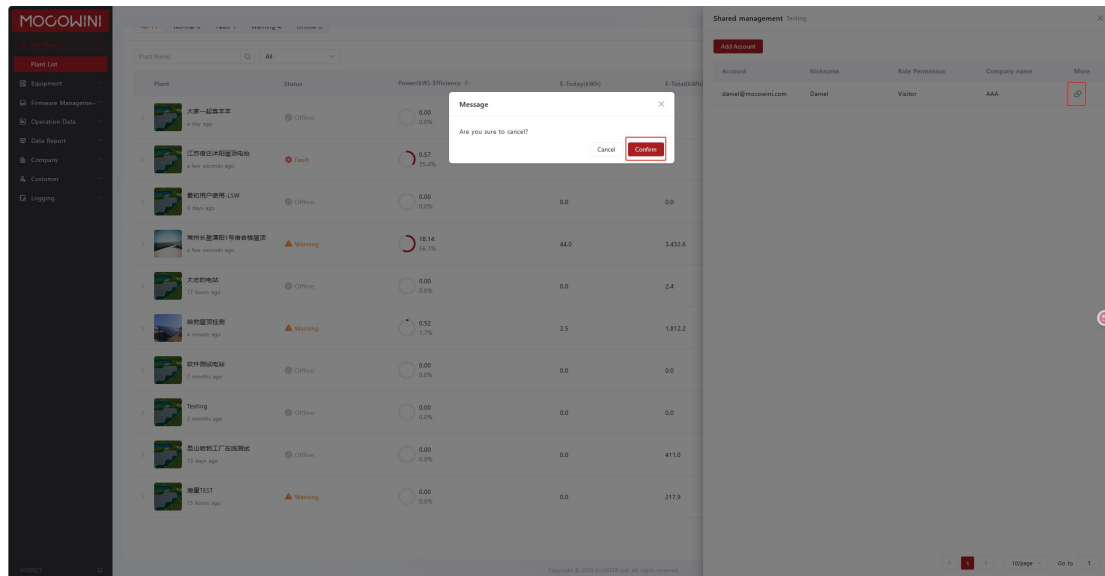


#### 4.2.4.3 Share Plant

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

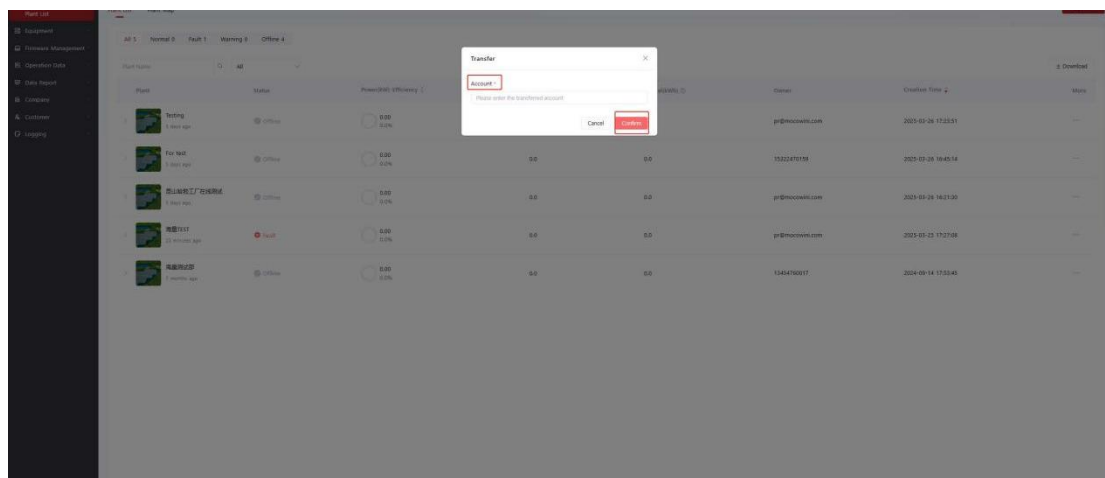


To remove an account, click the "More" button to the right of the account and then "Confirm."



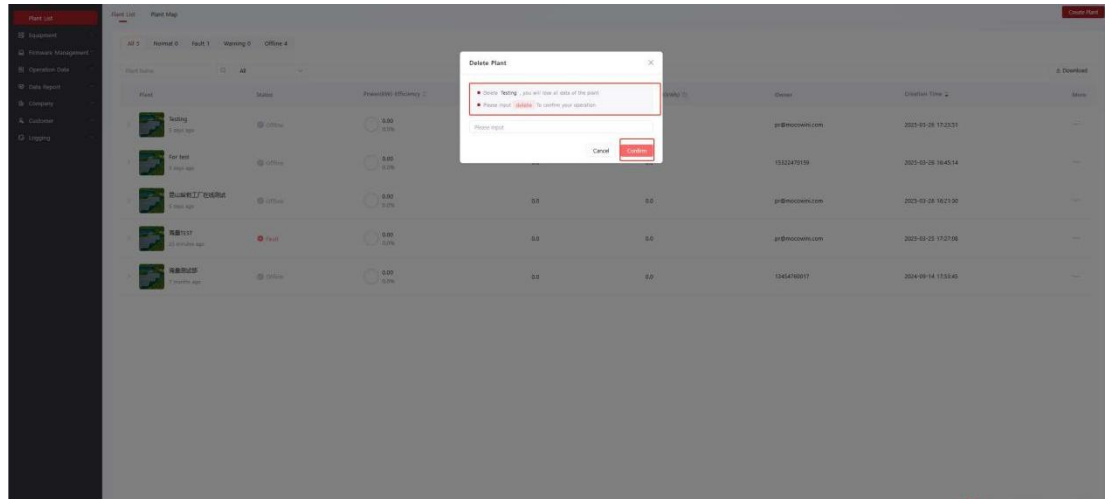
#### 4.2.4.4 Transfer Plant

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



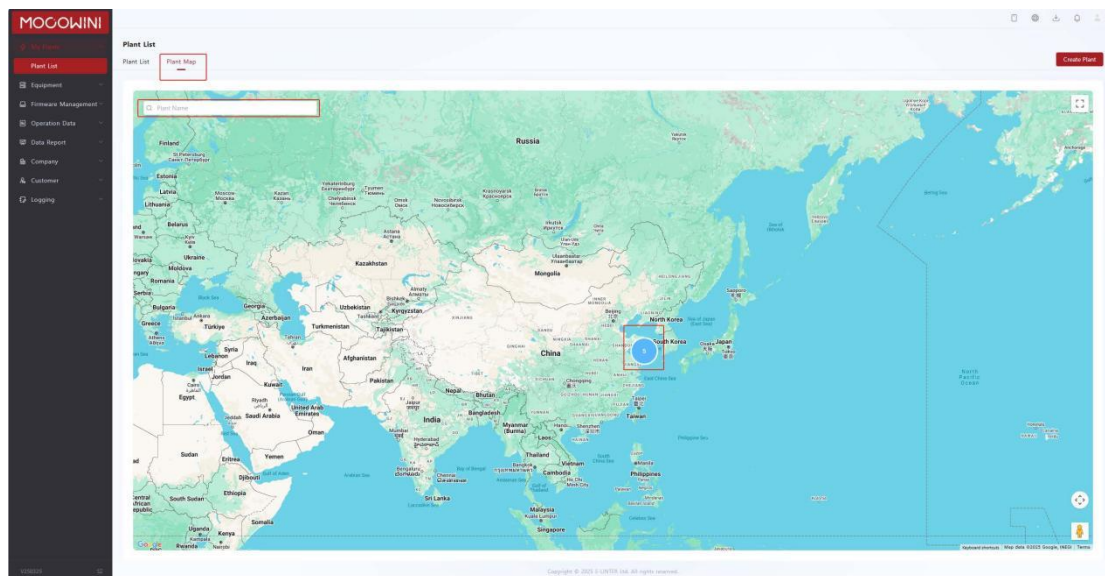
#### 4.2.4.5 Delete Plant

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

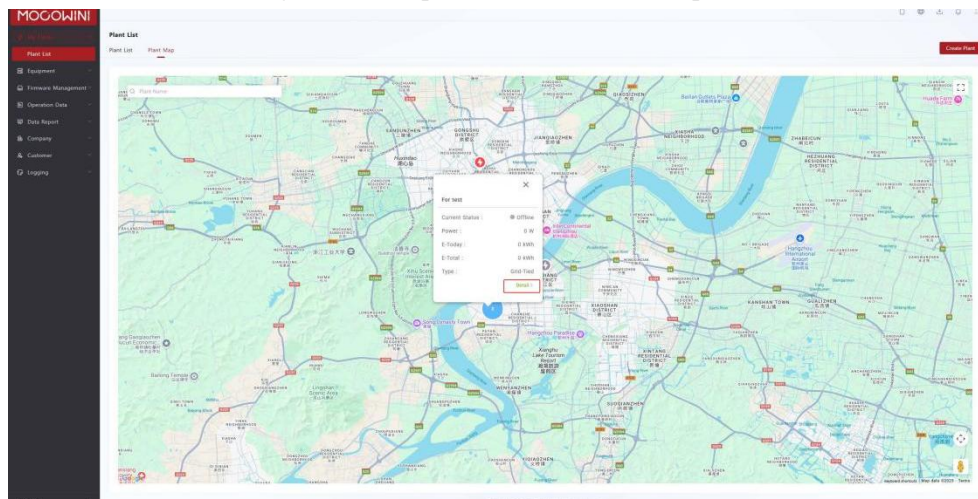


## 4.3 Plant Map

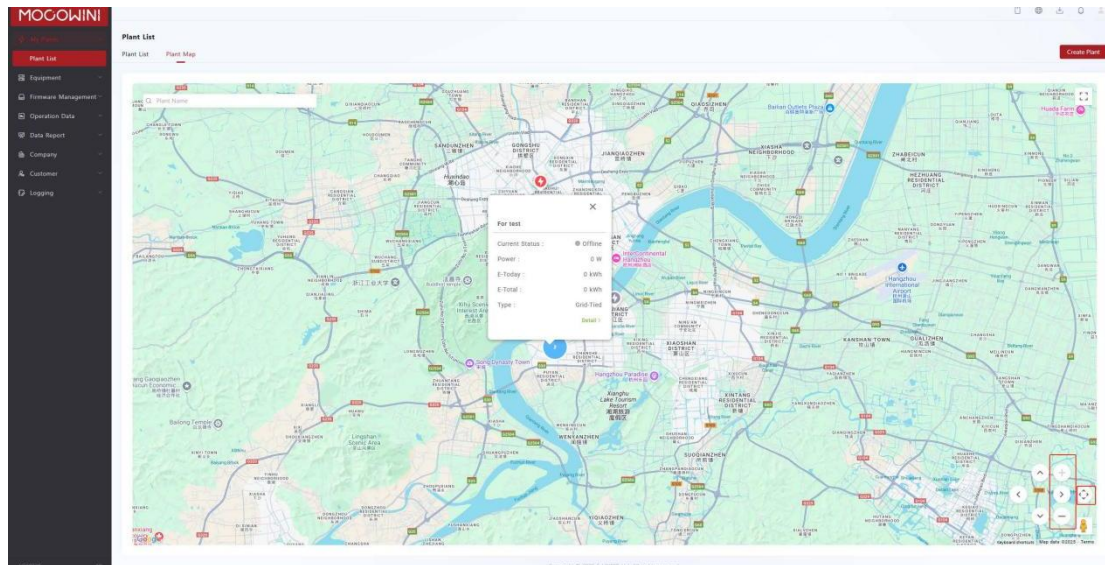
Click "Plant Map" to view the distribution of plant.



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.

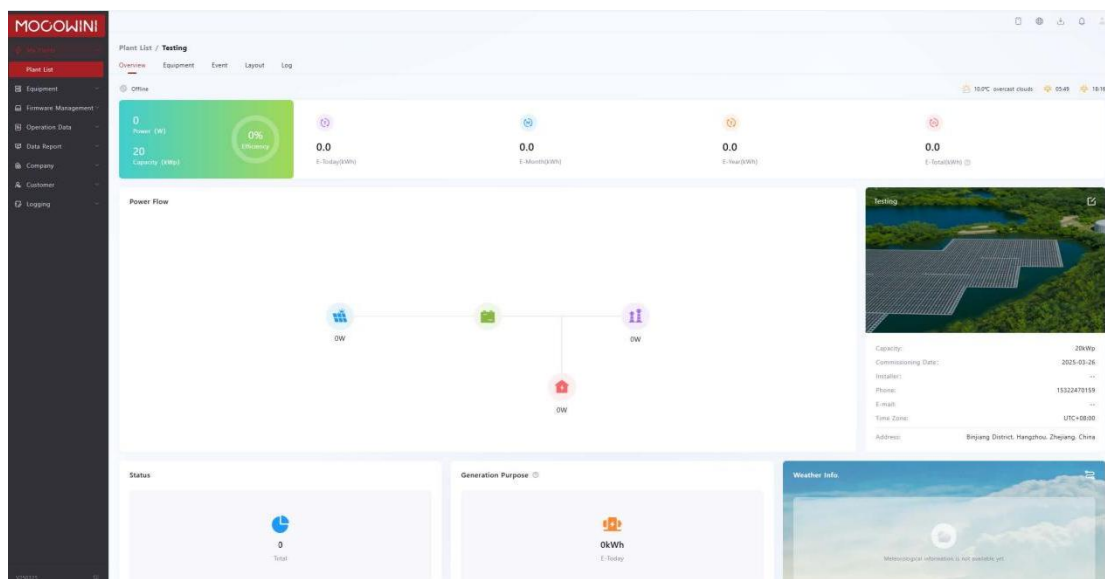


## 4.4 Plant Details

### 4.4.1 Overview

#### 4.4.1.1 UI Display

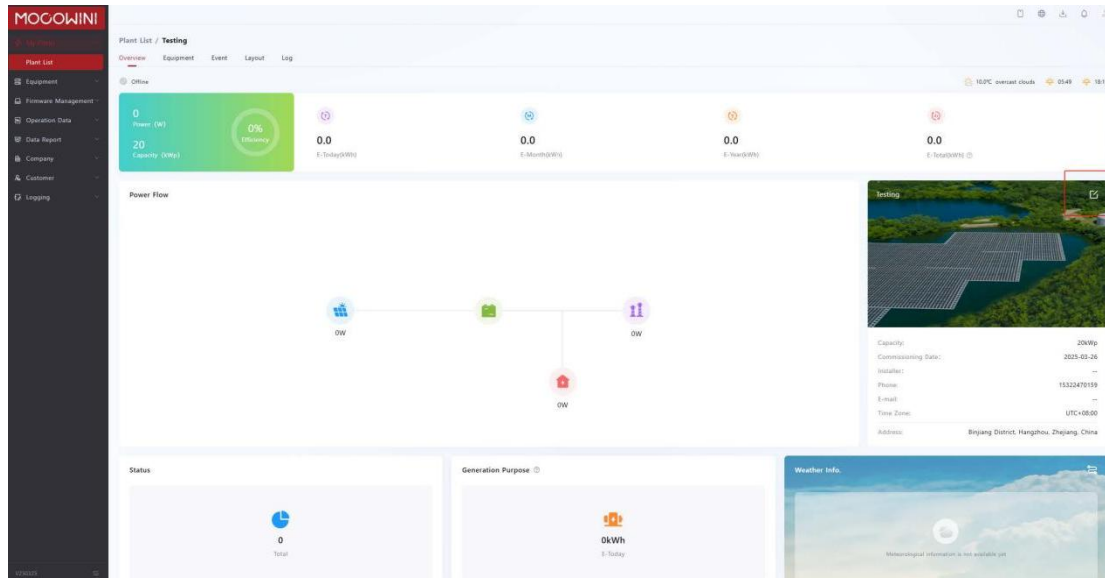
On the overview page, you can see the power generation and status of the devices.



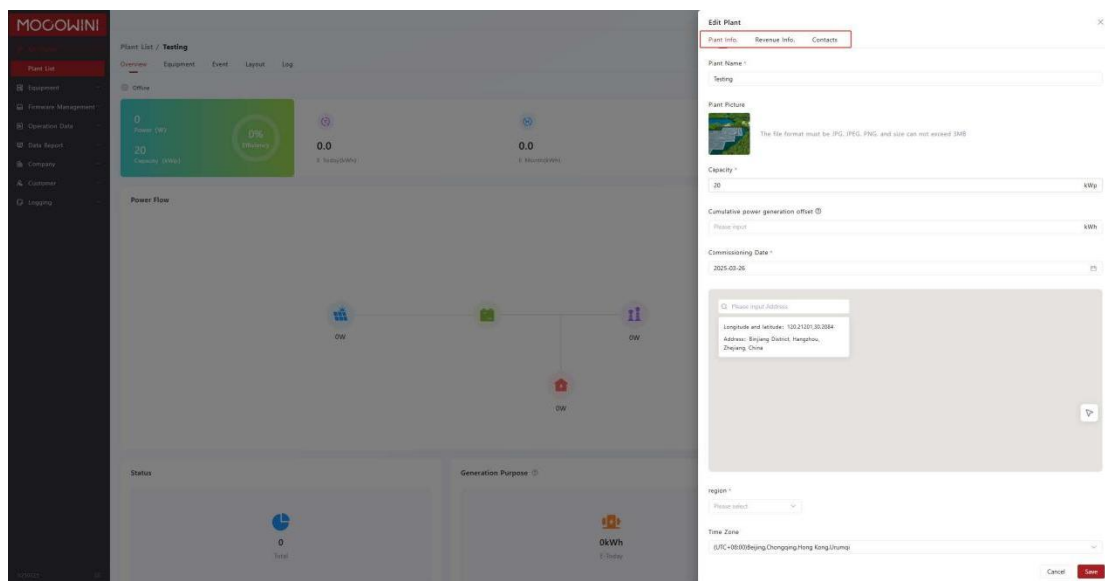


### 4.4.1.2 Plant Renaming

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:



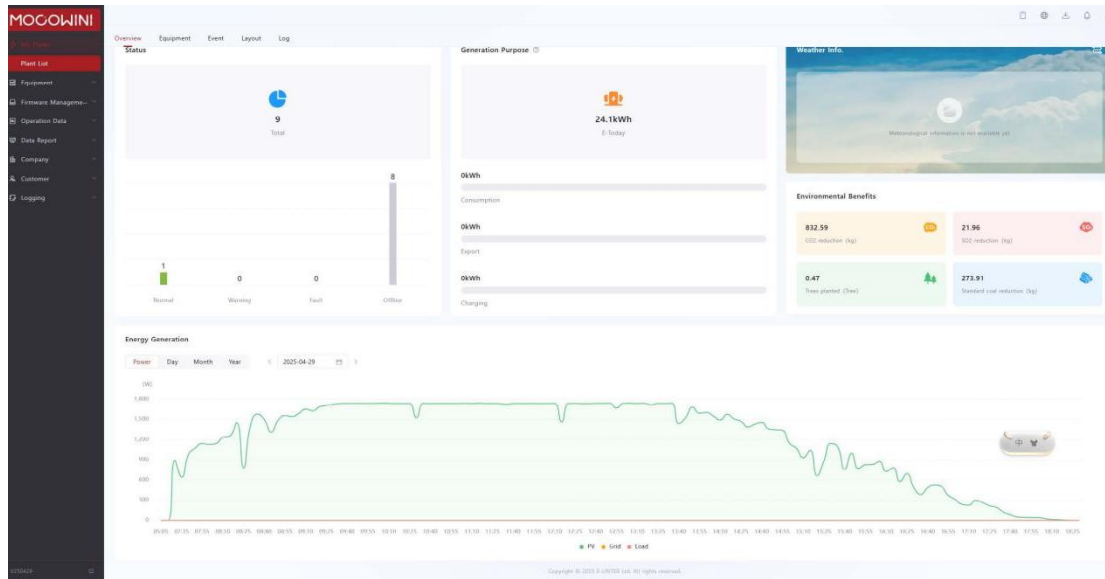
After clicking, you can modify the information of the plant according to the steps in 4.1 Creating the Plant, as shown in the figure:



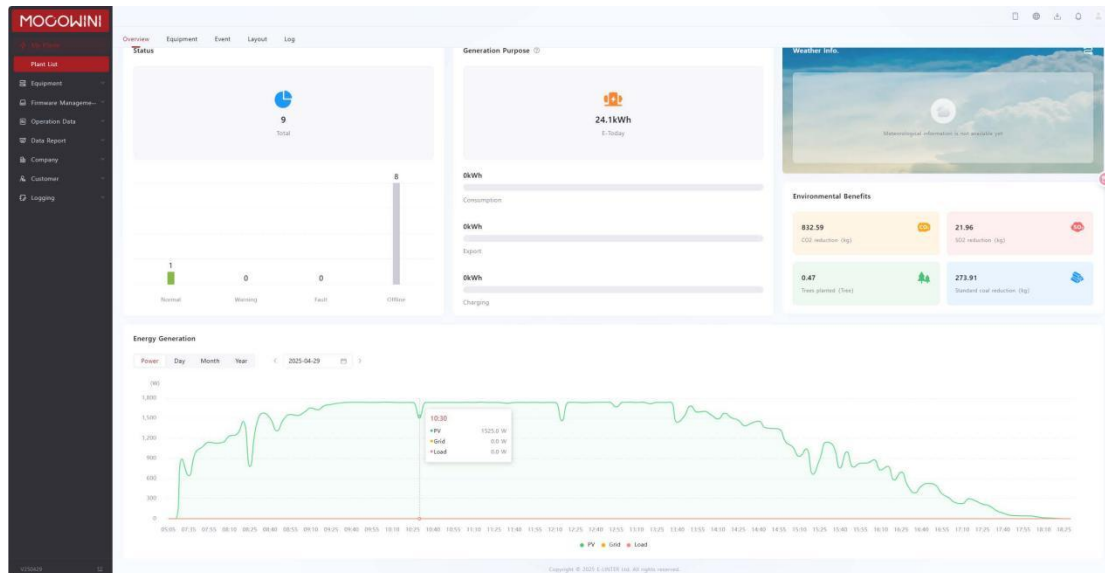
### 4.4.1.3 Generator chart

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:



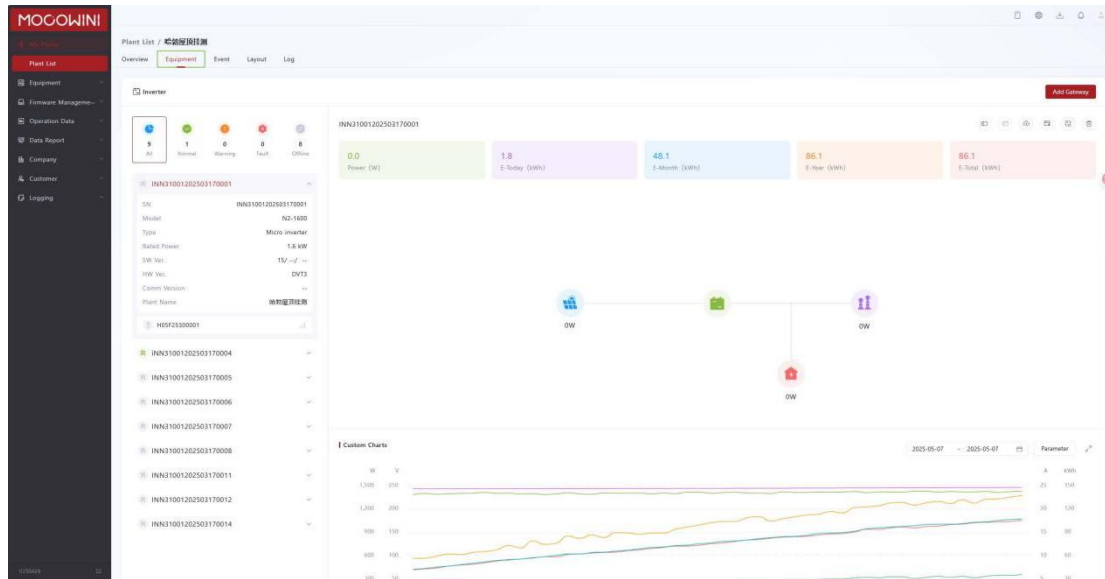


When the mouse is over the power generation information, you can see the detailed information, as shown in the figure:



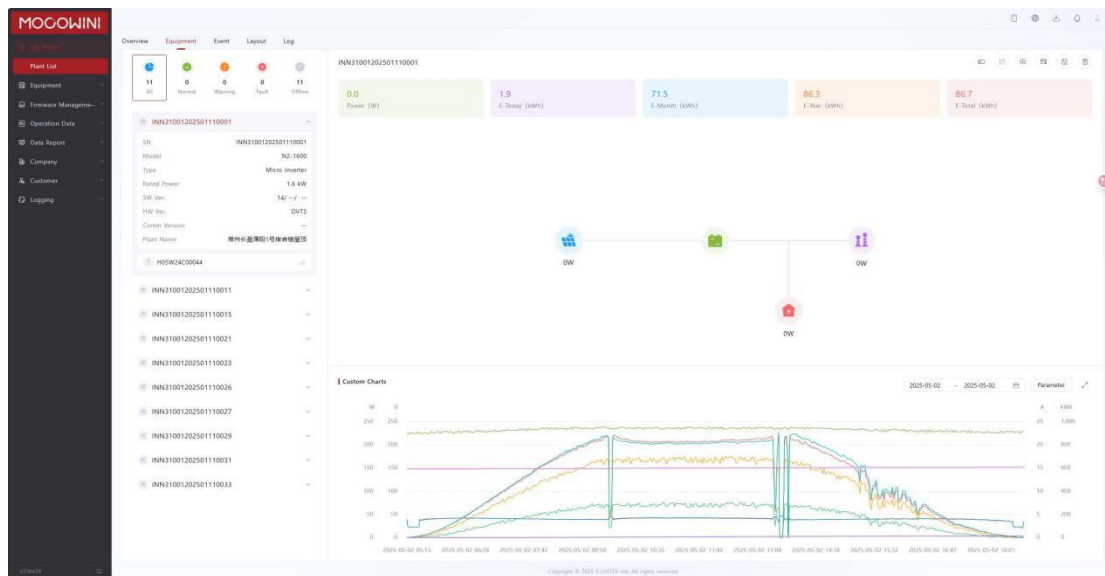
## 4.4.2 Equipment

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:



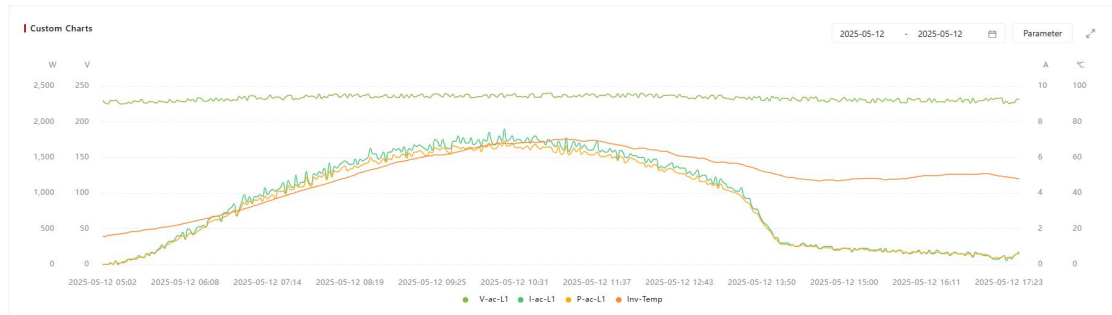
#### 4.2.2.1.1 Date Selection

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:

Parameter

Inv

☒ V-ac-L1
 ☒ I-ac-L1
 ☒ P-ac-L1
 ☒ Inv-Temp
 ☐ Inv-Freq
 ☐ Active-Power-Total
 ☐ Reactive-Power-Total
 ☐ Apparent-Power-Total
 ☐ Power-Factor-Total

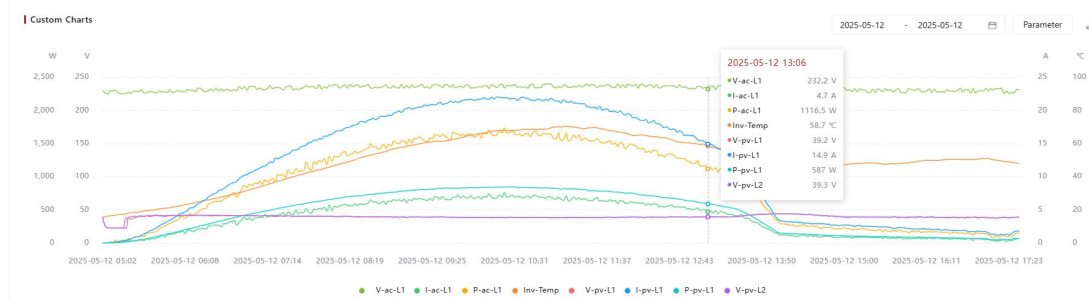
String

☒ V-pv-L1
 ☒ I-pv-L1
 ☒ P-pv-L1
 ☒ V-pv-L2
 ☐ I-pv-L2
 ☐ P-pv-L2
 ☐ V-pv-L3
 ☐ I-pv-L3
 ☐ P-pv-L3
 ☐ V-pv-L4
 ☐ I-pv-L4
 ☐ P-pv-L4

Clear

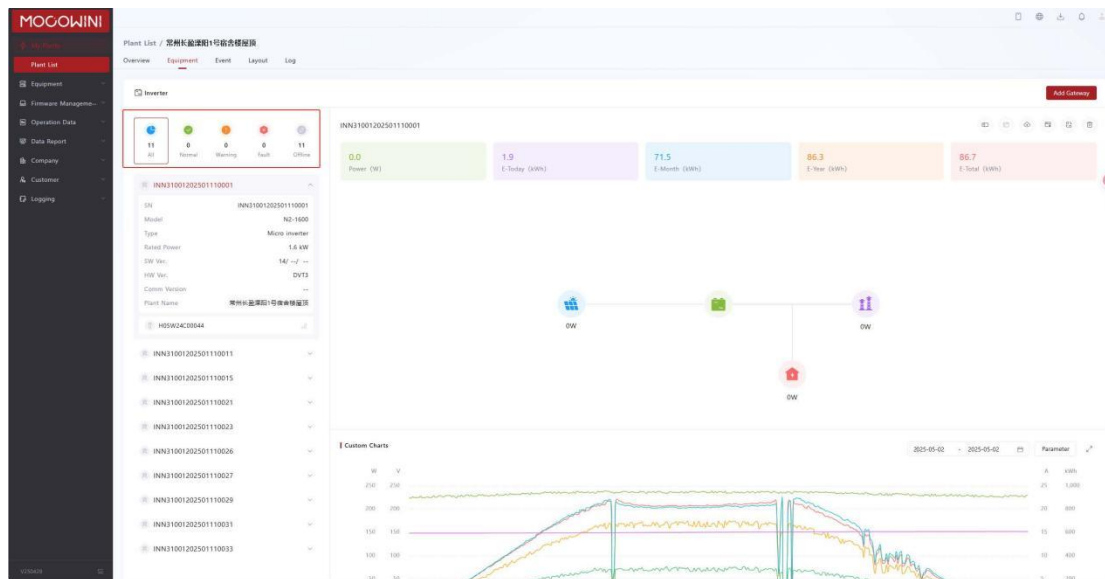
Confirm

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



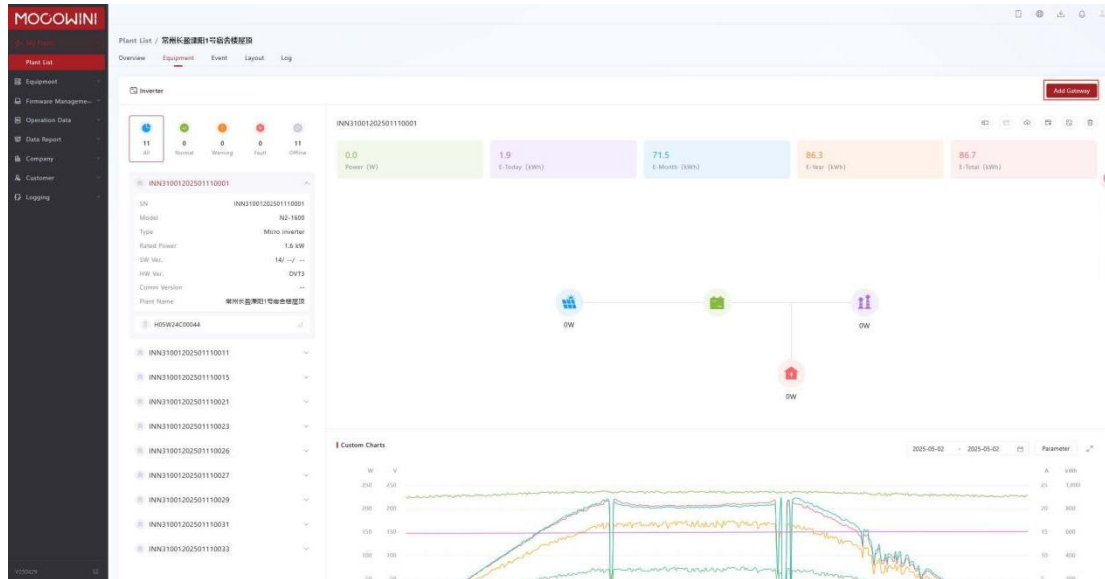
### 4.2.2.2 Microinverter Classification

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:

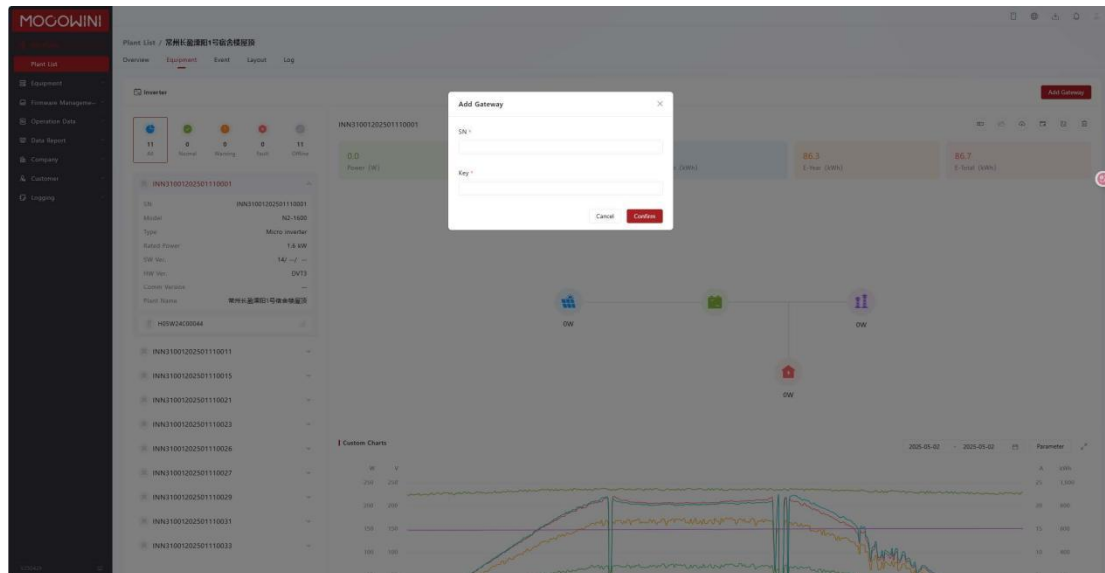


### 4.2.2.3 Add Gateway

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:

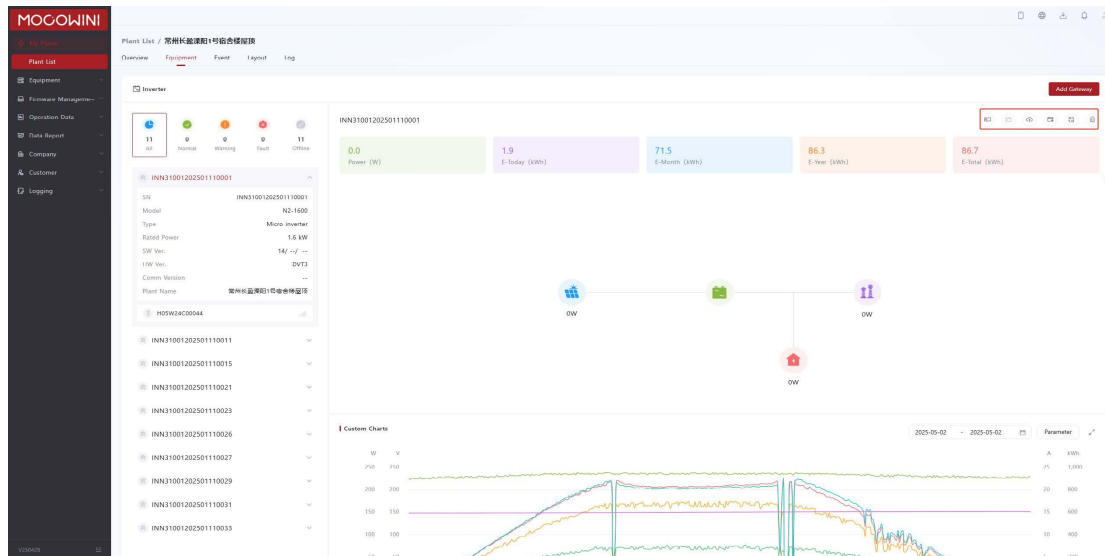


#### 4.2.2.4 Other Function

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



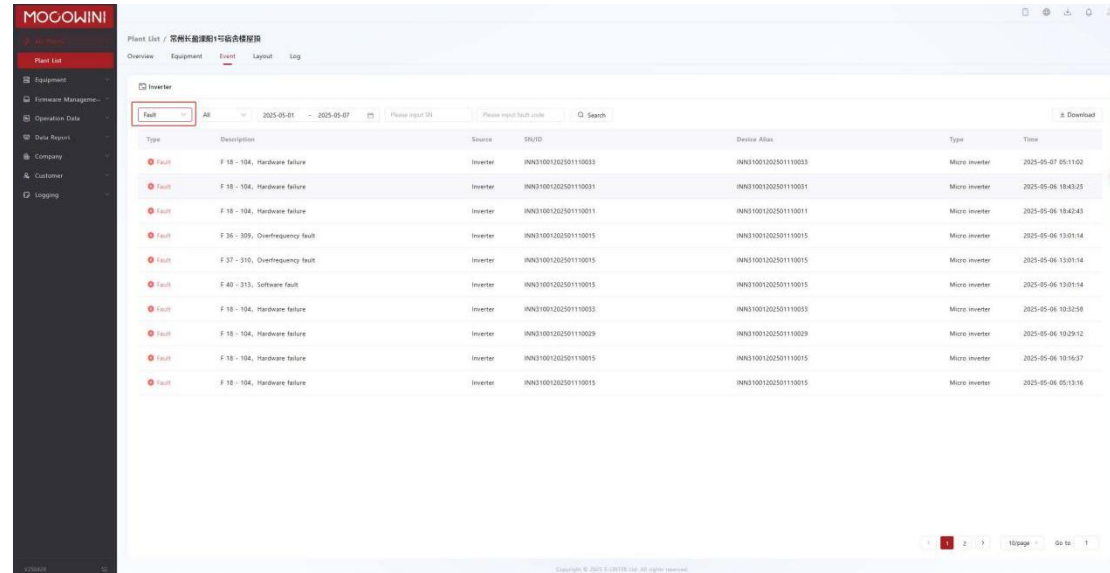
## 4.4.3 Event

In the event, the default state looks like this:

Type	Description	Source	SN/ID	Device Alias	Type	Time
Fault	F 18 - 15A, Hardware failure	Inverter	INN31001202501110033	INN31001202501110033	Micro inverter	2025-05-07 05:13:02
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN31001202501110001	INN31001202501110001	Micro inverter	2025-05-07 05:09:46
Warning	W 03 - 203, voltagePV lower than DC-16V alarm	Inverter	INN31001202501110001	INN31001202501110001	Micro inverter	2025-05-07 05:09:46
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN31001202501110011	INN31001202501110011	Micro inverter	2025-05-06 18:44:45
Warning	W 03 - 203, voltagePV lower than DC-16V alarm	Inverter	INN31001202501110011	INN31001202501110011	Micro inverter	2025-05-06 18:44:45
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN31001202501110036	INN31001202501110036	Micro inverter	2025-05-06 18:44:29
Warning	W 03 - 203, voltagePV lower than DC-16V alarm	Inverter	INN31001202501110036	INN31001202501110036	Micro inverter	2025-05-06 18:44:29
Fault	F 18 - 15A, Hardware failure	Inverter	INN31001202501110031	INN31001202501110031	Micro inverter	2025-05-06 18:43:25
Fault	F 18 - 15A, Hardware failure	Inverter	INN31001202501110011	INN31001202501110011	Micro inverter	2025-05-06 18:42:43
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN31001202501110011	INN31001202501110011	Micro inverter	2025-05-06 18:41:38

### 4.4.3.1 Filter Event

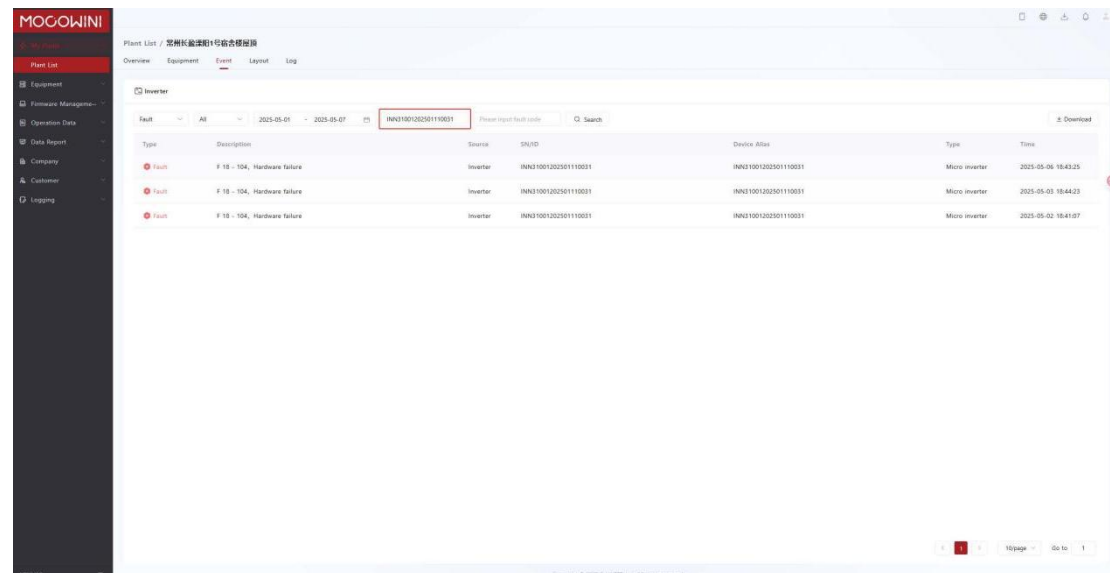
Event category, micro-inverse category, and event can be selected for screening, as shown in the figure:



### 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.



The screenshot shows the MOCOWINI Plant List interface. The left sidebar contains navigation links: Plant List, Equipment, Firmware Management, Operation Data, Data Report, Company, Customer, and Logging. The main content area is titled 'Plant List / 常州长盛源1号光伏电站' and includes tabs for Overview, Equipment, Event, Layout, and Log. The 'Event' tab is selected, and the 'Inverter' filter is applied. The search criteria are set to 'All' for the first dropdown, 'All' for the second, and the date range '2025-05-01' to '2025-05-07'. The search input field contains '202'. The search results table has columns: Type, Description, Source, SN/ID, Device Alias, Type, and Time. The table contains 10 rows of data, all with a 'Warning' type and a description 'W 02 - 202, voltagePV1/2 lower than DC-16V'. The search results are displayed in a table with 10 rows and 7 columns. The table has a 'Download' button on the right. The bottom of the page shows a pagination bar with '1' selected, '2' next to it, and '10page' and 'Go to' options.

Type	Description	Source	SN/ID	Device Alias	Type	Time
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110001	INN01001202501110001	Micro inverter	2025-05-07 05:08:46
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110011	INN01001202501110011	Micro inverter	2025-05-06 18:44:45
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110026	INN01001202501110026	Micro inverter	2025-05-06 18:44:29
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110011	INN01001202501110011	Micro inverter	2025-05-06 18:41:38
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110015	INN01001202501110015	Micro inverter	2025-05-06 18:41:37
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110015	INN01001202501110015	Micro inverter	2025-05-05 18:49:08
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110031	INN01001202501110031	Micro inverter	2025-05-05 18:49:08
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110015	INN01001202501110015	Micro inverter	2025-05-05 18:46:53
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110031	INN01001202501110031	Micro inverter	2025-05-05 18:46:52
Warning	W 02 - 202, voltagePV1/2 lower than DC-16V	Inverter	INN01001202501110015	INN01001202501110015	Micro inverter	2025-05-04 18:47:31

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

The screenshot shows the MOCOWINI Plant List interface with the same search criteria as the previous image. However, the search input field now contains '202'. The search results table is empty, displaying 'No Data' in the center. The table has the same columns: Type, Description, Source, SN/ID, Device Alias, Type, and Time. The bottom of the page shows a pagination bar with '1' selected, '2' next to it, and '10page' and 'Go to' options.

Type	Description	Source	SN/ID	Device Alias	Type	Time
No Data						

### 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:

## Technology for Better Energy Efficiency, Sunshine for a Sustainable Future

Plant List / 常州长盛能源1号设备数据

Overview Equipment Fault Layout Eng

Plant List

Equipment

Forecast Management

Operation Data

Data Report

Company

Customer

Logging

Download

2025-05-01 - 2025-05-07

Please input SN

Please input fault code

Q Search

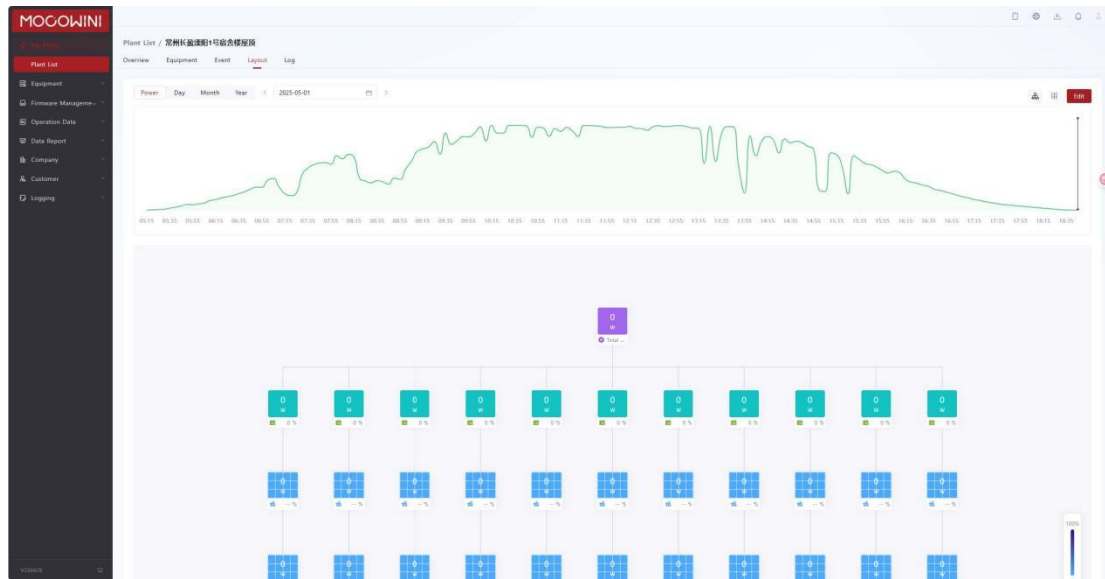
Download

Type	Description	Source	SN/ID	Device Alias	Type	Time
Fault	F 18 - 104, Hardware failure	Inverter	INN31001202501110033	INN31001202501110033	Micro inverter	2025-05-07 05:11:02
Warning	W 02 - 202, voltagePV1/G lower than DC-16V	Inverter	INN31001202501110001	INN31001202501110001	Micro inverter	2025-05-07 05:08:45
Warning	W 03 - 203, voltagePV1/G lower than DC-16V alarm	Inverter	INN31001202501110001	INN31001202501110001	Micro inverter	2025-05-07 05:08:45
Warning	W 02 - 203, voltagePV1/G lower than DC-16V	Inverter	INN31001202501110011	INN31001202501110011	Micro inverter	2025-05-06 18:44:45
Warning	W 03 - 203, voltagePV1/G lower than DC-16V alarm	Inverter	INN31001202501110011	INN31001202501110011	Micro inverter	2025-05-06 18:44:45
Warning	W 02 - 202, voltagePV1/G lower than DC-16V	Inverter	INN31001202501110026	INN31001202501110026	Micro inverter	2025-05-06 18:44:29
Warning	W 03 - 203, voltagePV1/G lower than DC-16V alarm	Inverter	INN31001202501110026	INN31001202501110026	Micro inverter	2025-05-06 18:44:29
Fault	F 18 - 104, Hardware failure	Inverter	INN31001202501110031	INN31001202501110031	Micro inverter	2025-05-06 18:43:25
Fault	F 18 - 104, Hardware failure	Inverter	INN31001202501110011	INN31001202501110011	Micro inverter	2025-05-06 18:42:43
Warning	W 02 - 202, voltagePV1/G lower than DC-16V	Inverter	INN31001202501110011	INN31001202501110011	Micro inverter	2025-05-06 18:41:38

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

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

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH		
1	日期	时间	开始时间	结束时间	来源	设备名称	位置	描述																												
2	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
3	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
4	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
5	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
6	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
7	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
8	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
9	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
10	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
11	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
12	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
13	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
14	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
15	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
16	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
17	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
18	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
19	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
20	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
21	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
22	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
23	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
24	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
25	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
26	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
27	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
28	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
29	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
30	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
31	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
32	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
33	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
34	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
35	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
36	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
37	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
38	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
39	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
40	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
41	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
42	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
43	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
44	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
45	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
46	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
47	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
48	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
49	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
50	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
51	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
52	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
53	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
54	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
55	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
56	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
57	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
58	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
59	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
60	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												
61	2025-06-05	00:00:00	2025-06-05	00:00:00	设备	WT	—	未知设备数据																												

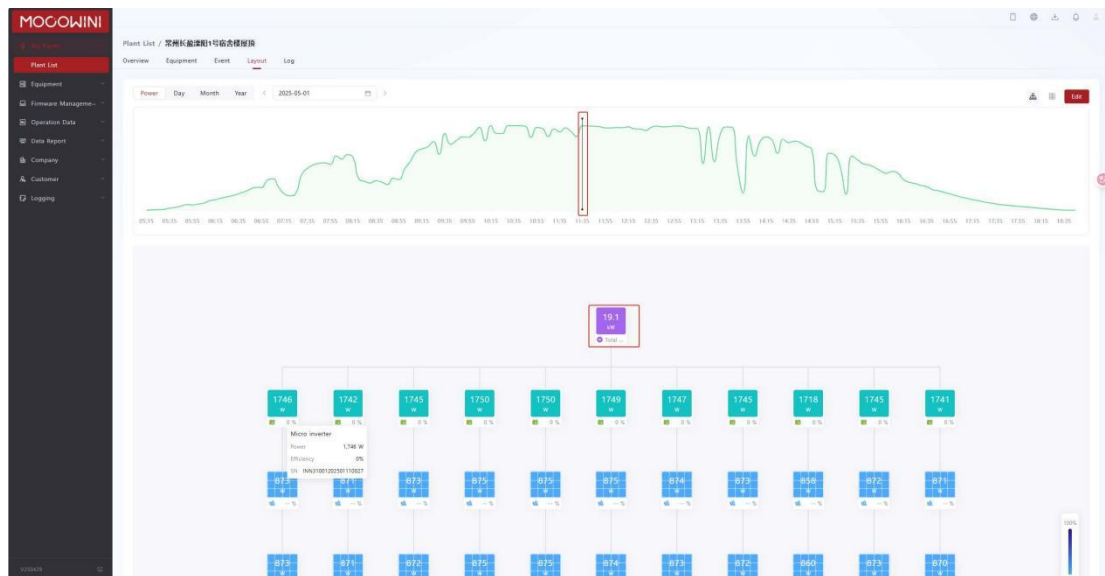


#### 4.4.4.1 Layout Classification

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

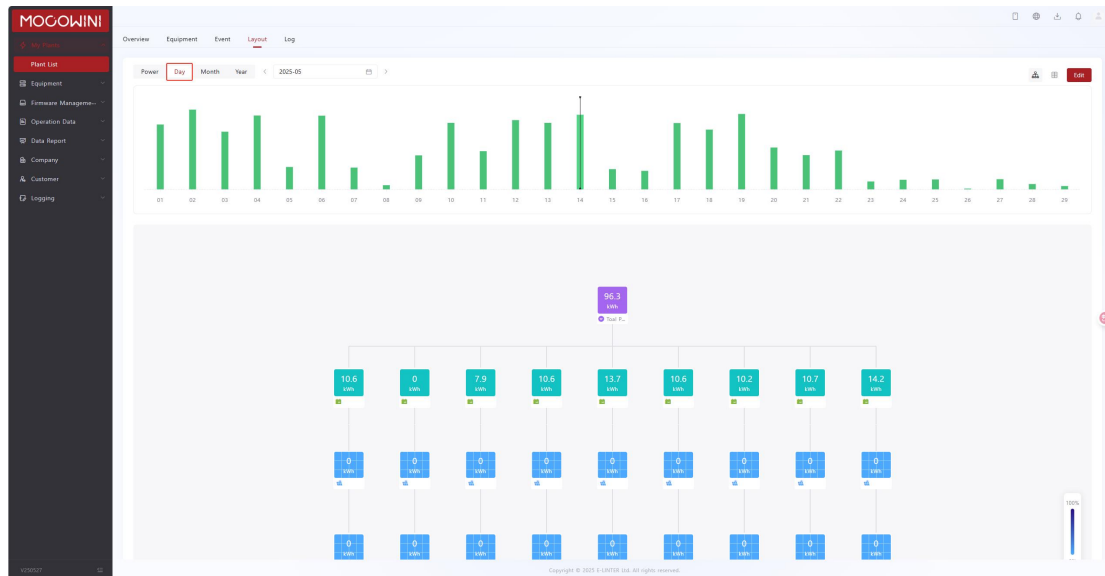
When Power is used for viewing, the data to be viewed is the data of the selected day.

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



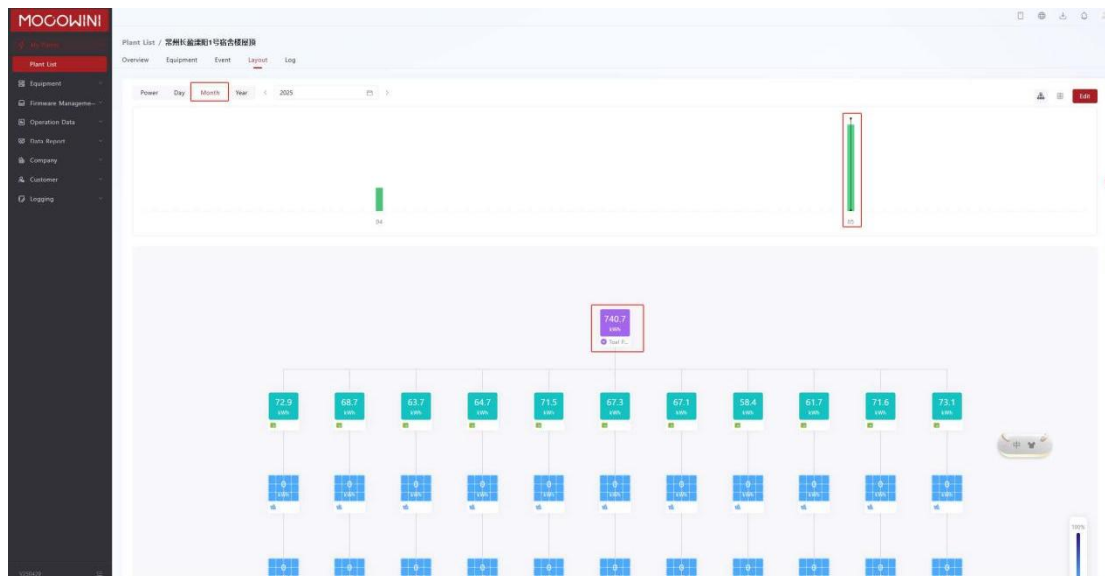
When you view using Day, the data you view is the data of a selected day in January.

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



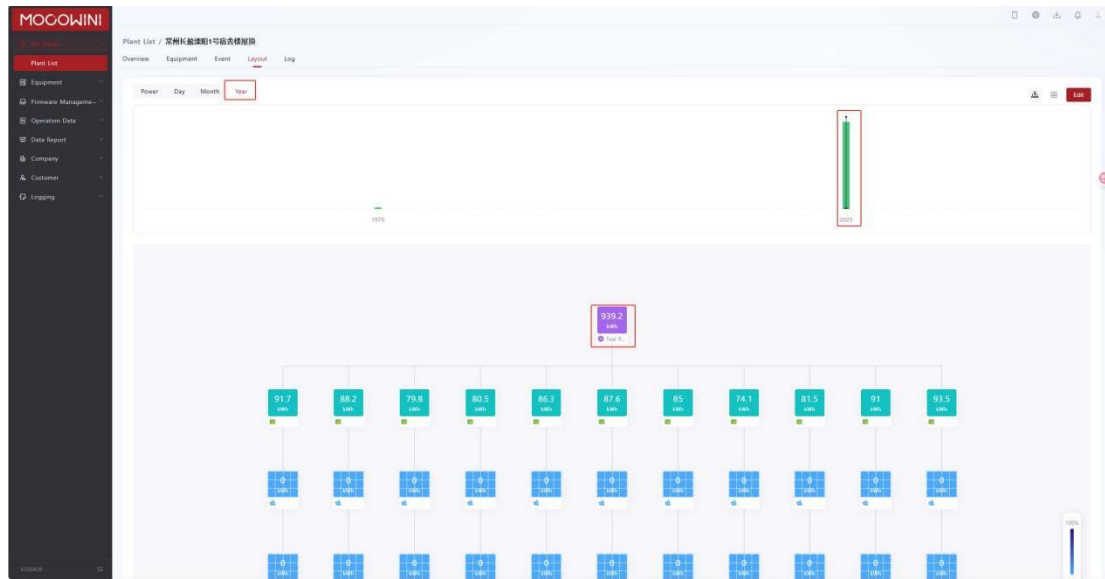
When you view using Month, the data you view is for a month of the selected year.

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



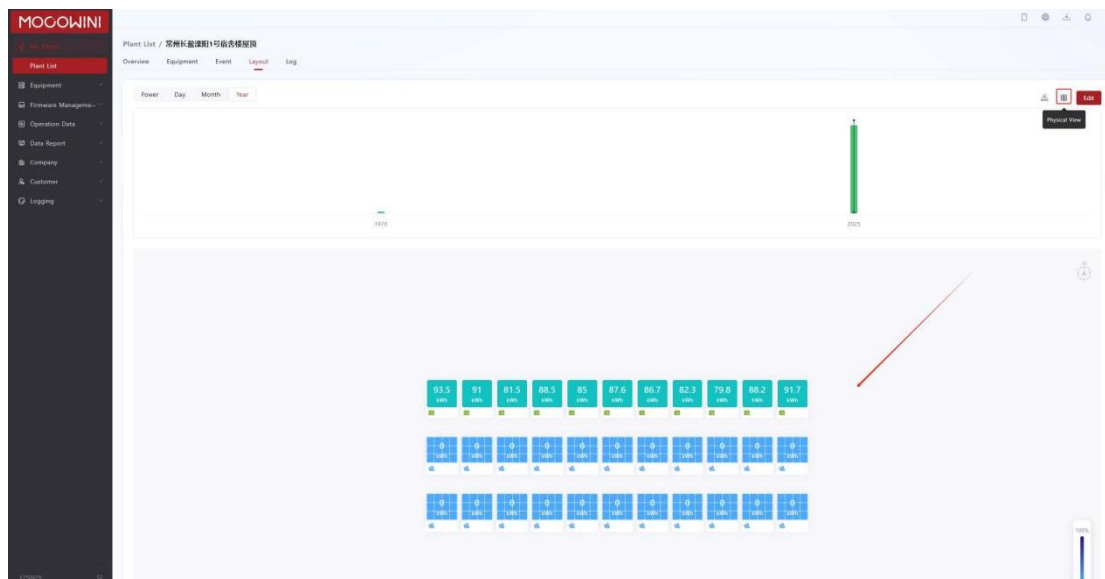
When year is used for viewing, the data viewed is the data for a particular year for all selected events.

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



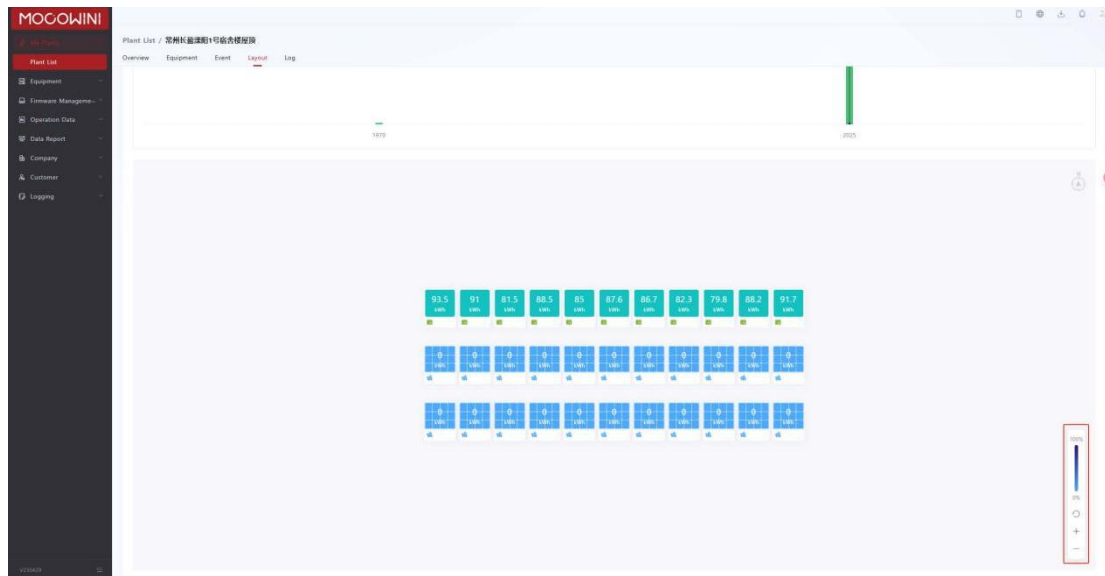
#### 4.4.4.2 Modifying View

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



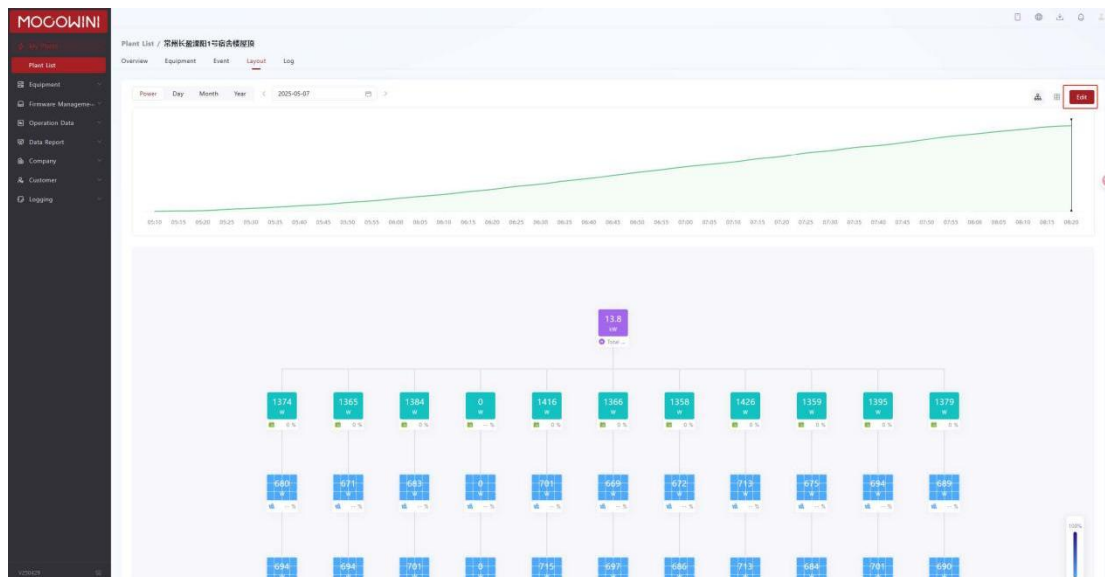
#### 4.4.4.3 Modifying View Size

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

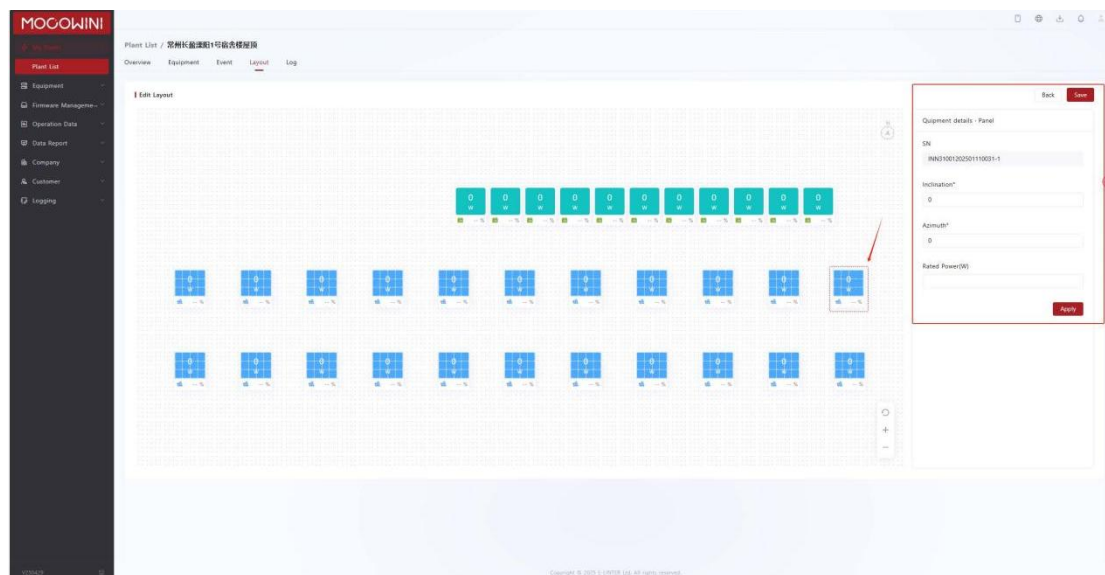
Click "Edit" on the right to modify the view, as shown in the figure:



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

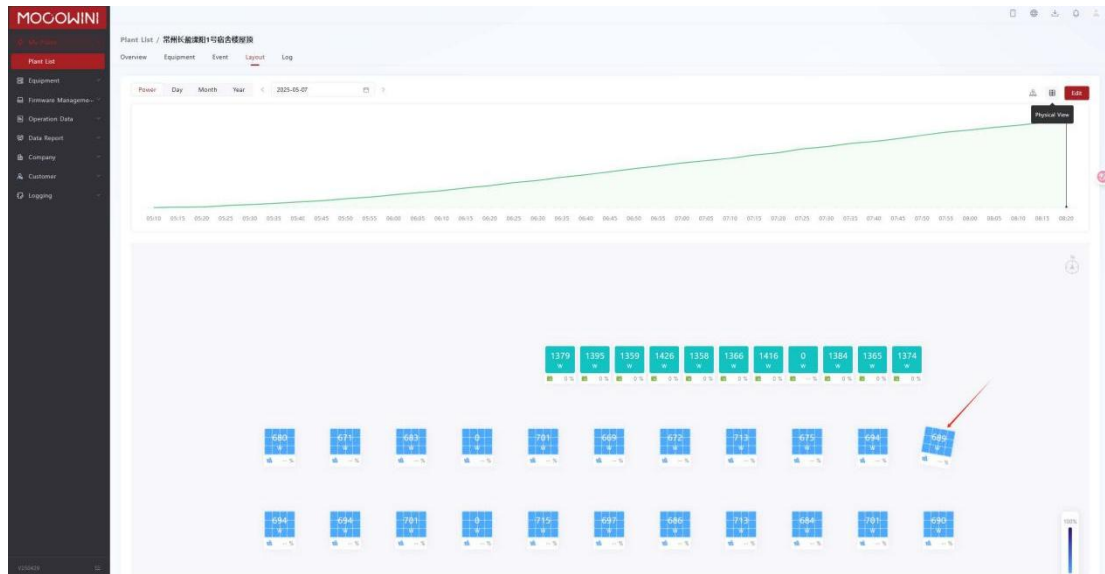


After clicking a panel, you can see the details of the device, as shown in the figure:





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:

The screenshot displays the MOCOWINI Log interface. The left sidebar is the same as in the previous figure. The main area shows a 'Log' view for the same plant. A dropdown menu is open, showing options: All, Create Plant, Edit, Delete, Dissociate, Add Gateway, and Unbind Gateway. The table below shows the log entries.

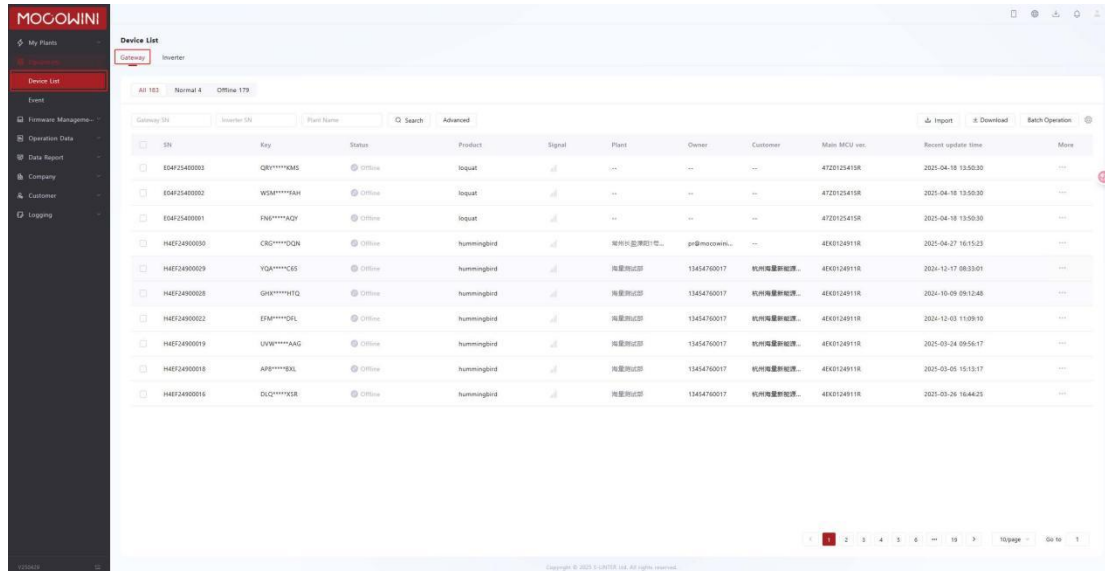
Operator	SN	Original Value	New Value	Time
pr@mocowini.com	---	Plant Name: 常州长盛锂电1号设备管理	Plant Name: 常州长盛锂电1号设备管理	2025-04-28 10:25:44
pr@mocowini.com	---	Plant Name: 常州长盛锂电1号设备管理	Plant Name: 常州长盛锂电1号设备管理	2025-04-28 10:24:13
pr@mocowini.com	H0902400012	---	---	2025-04-27 17:27:58
pr@mocowini.com	---	---	---	2025-04-27 16:08:17

## 5 Equipment

### 5.1 Device List

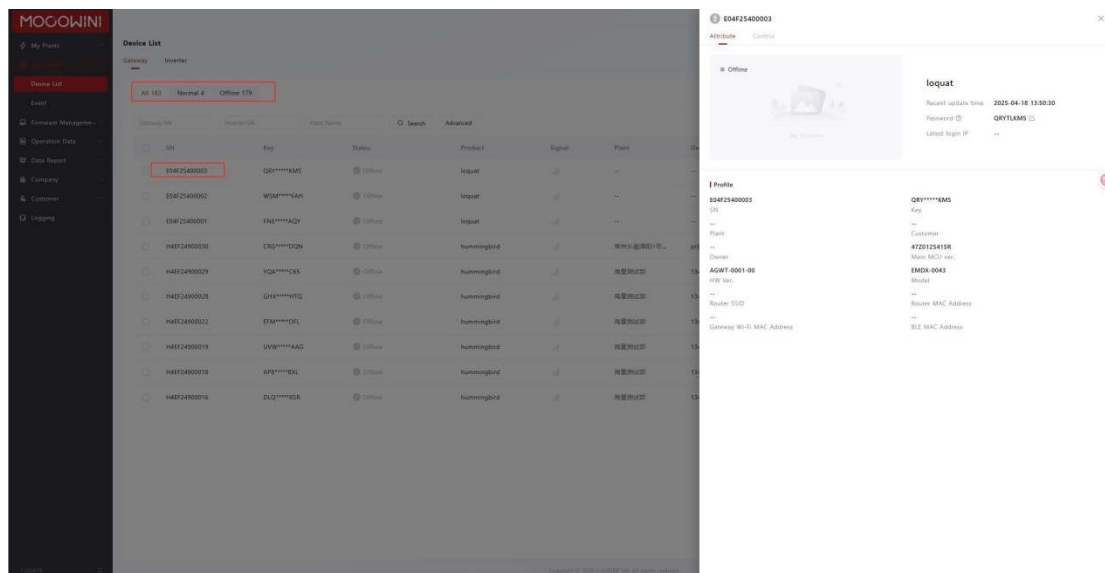
## 5.1.1 Gateway

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:

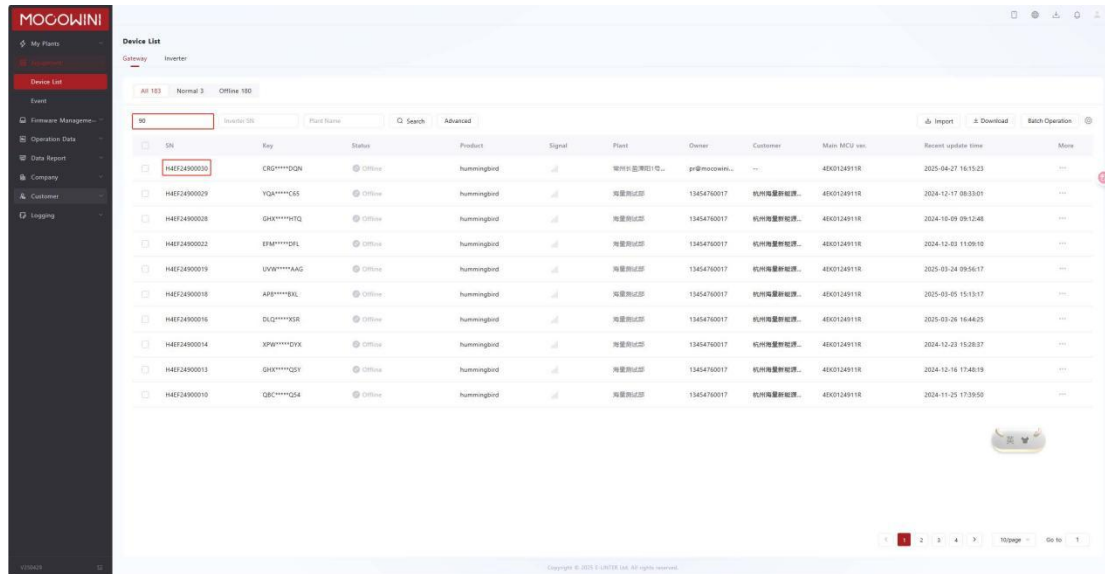


In the lower right corner, you can also select the number of collectors presented on a page, you can select 10 / page, 20 / page, etc.

## 5.1.1.2 Search Gateway

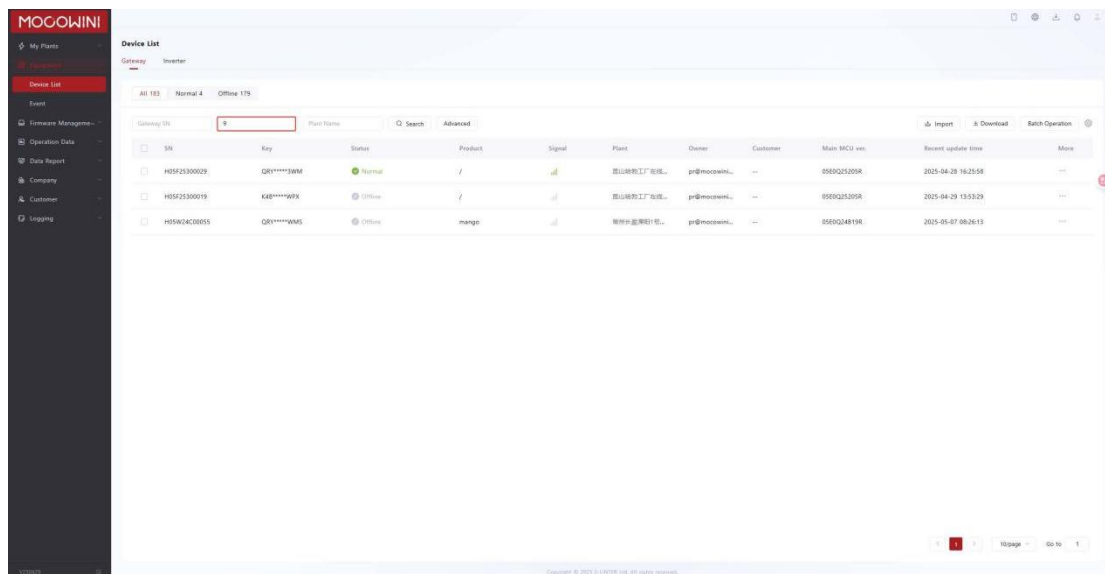
### 5.1.1.2.1 General Search

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:

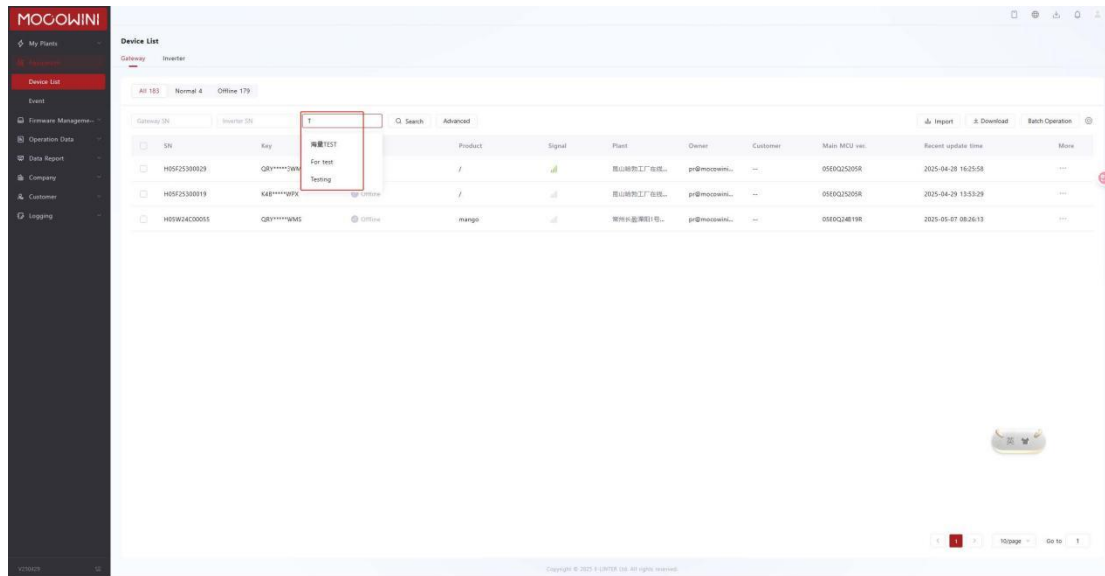


Now show the gateway that found "90".

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:



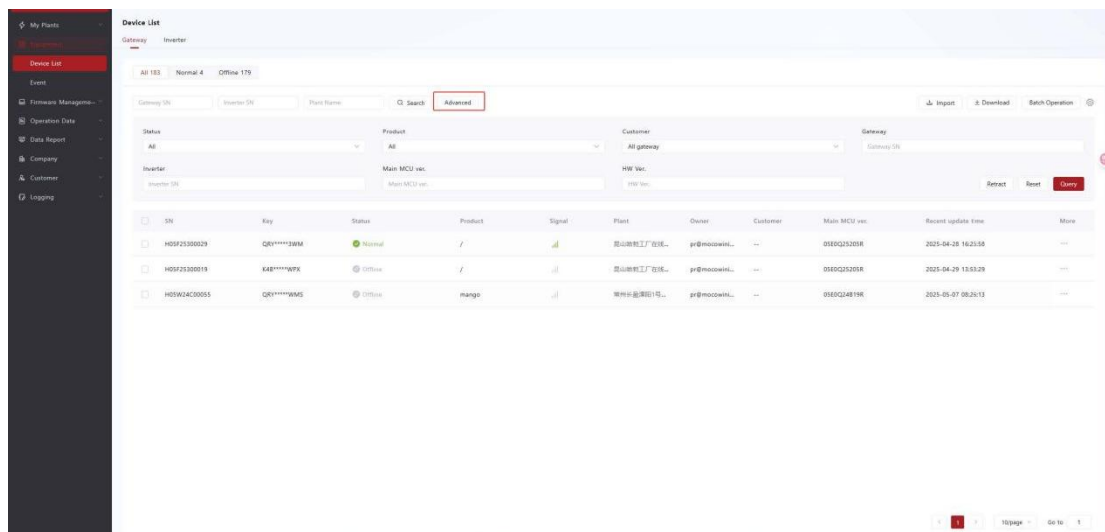
Search the gateway by the name of the plant. By entering key words, the system will automatically pop up a drop-down box for users to choose, as shown in the figure:



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:

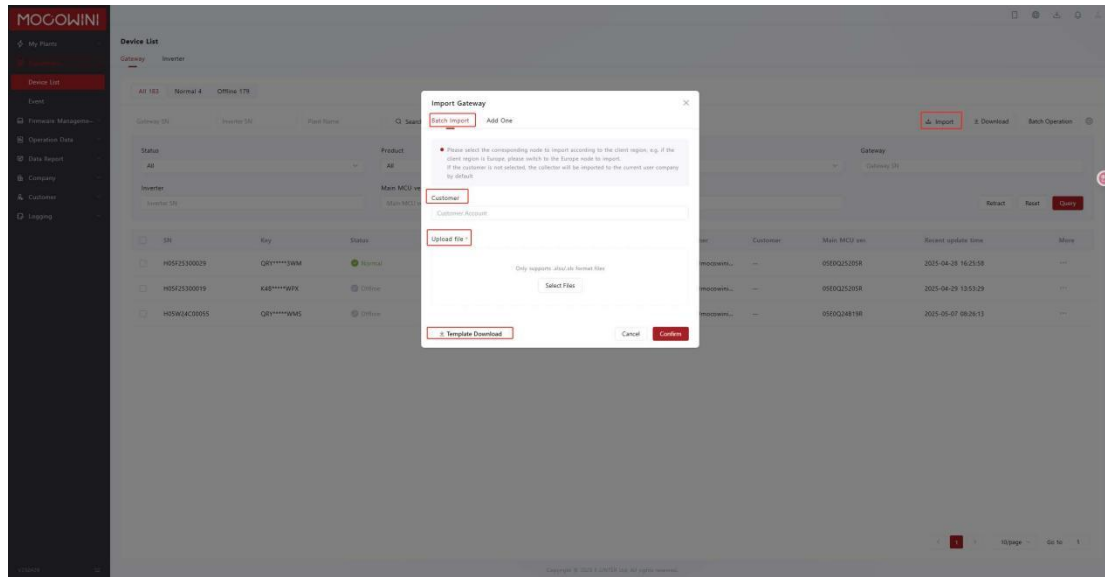


The search logic is the same as above.

### 5.1.1.3 Import Gateway

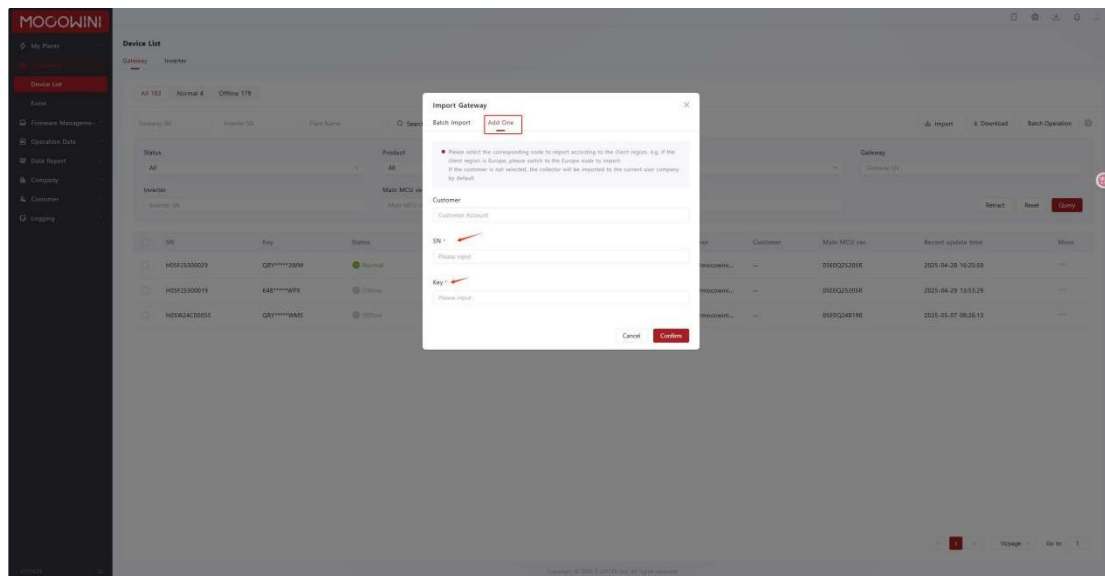
#### 5.1.1.3.1 Batch Import

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:



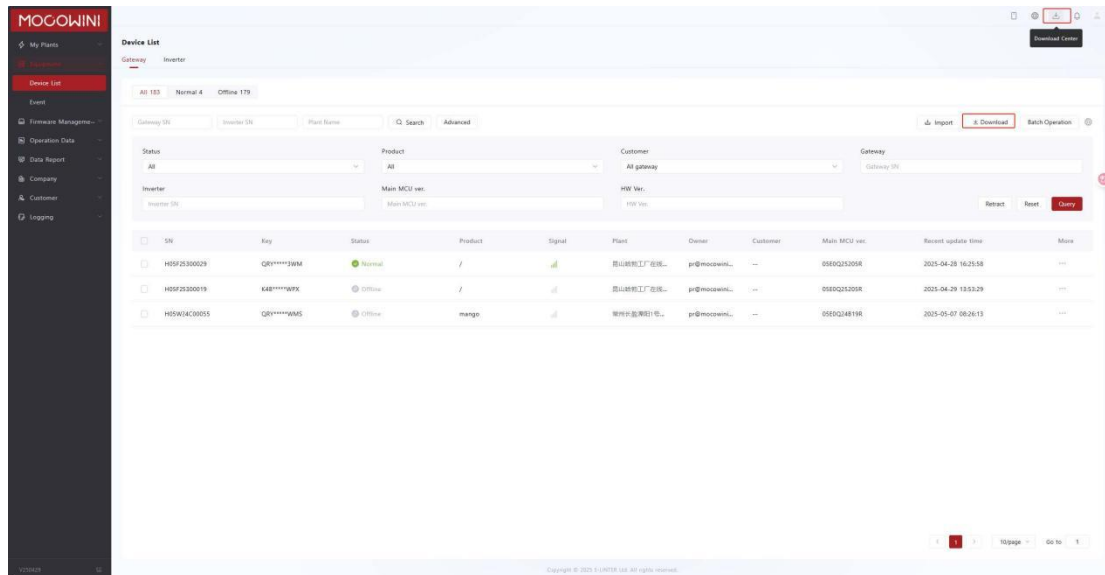
#### 5.1.1.3.2 Add One

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:

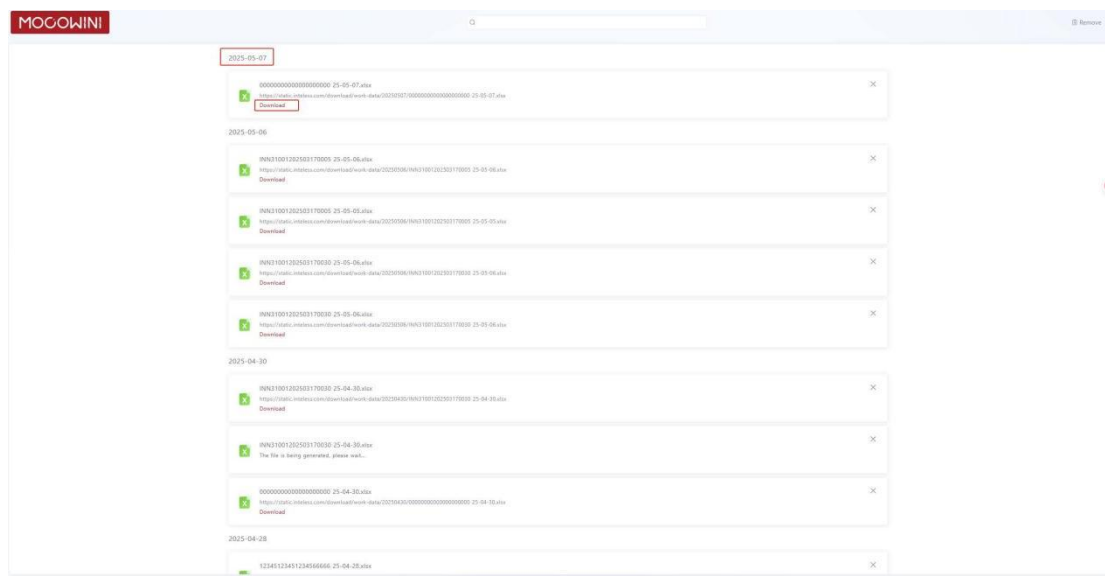


### 5.1.1.4 Download

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;



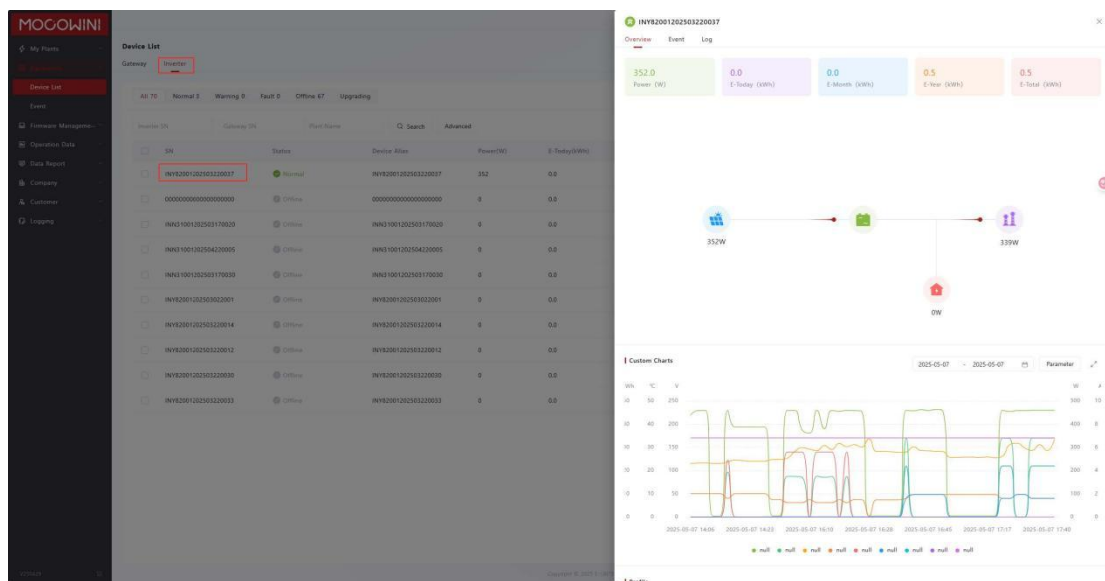
Click the "\*" of "Device Registration Code" on the left side of the page to see the complete "Device Registration Code".

## 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:

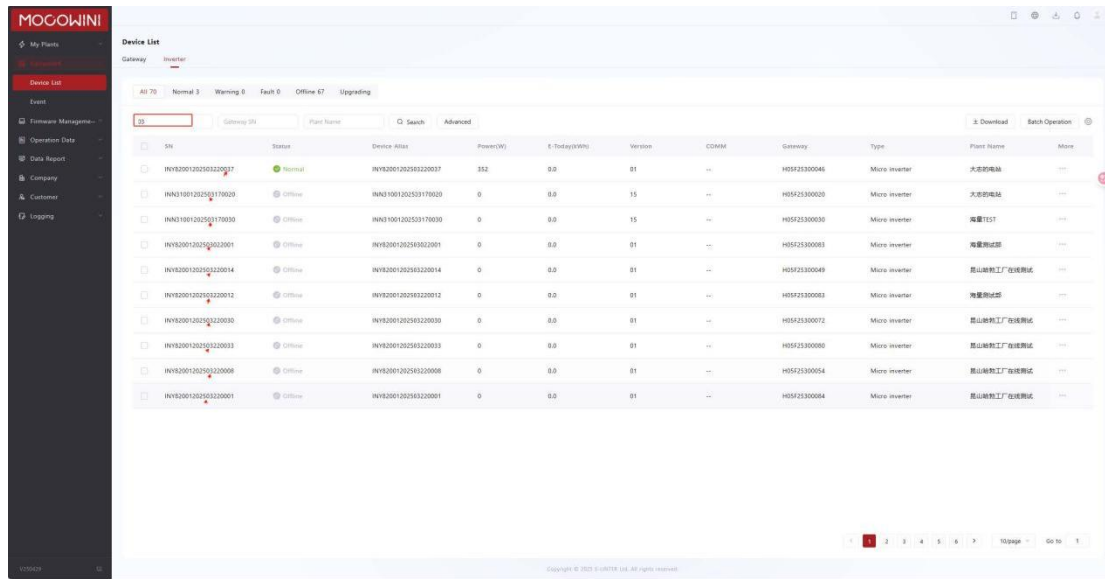


The number of inverters shown on a page can be selected in the lower right corner.

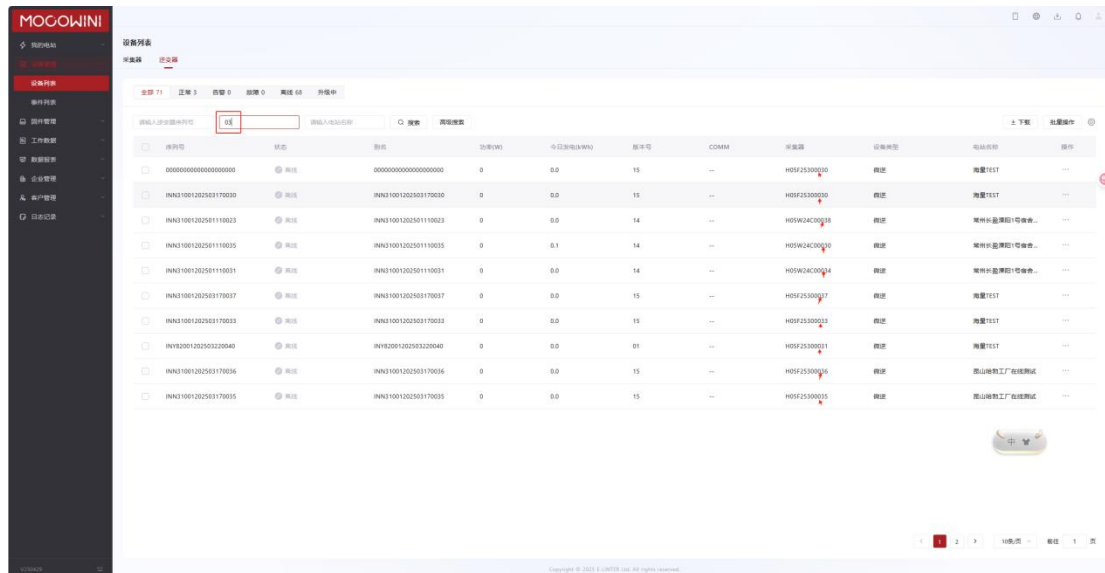
### 5.1.2.2 Search Inverter

#### 5.1.2.2.1 General Search

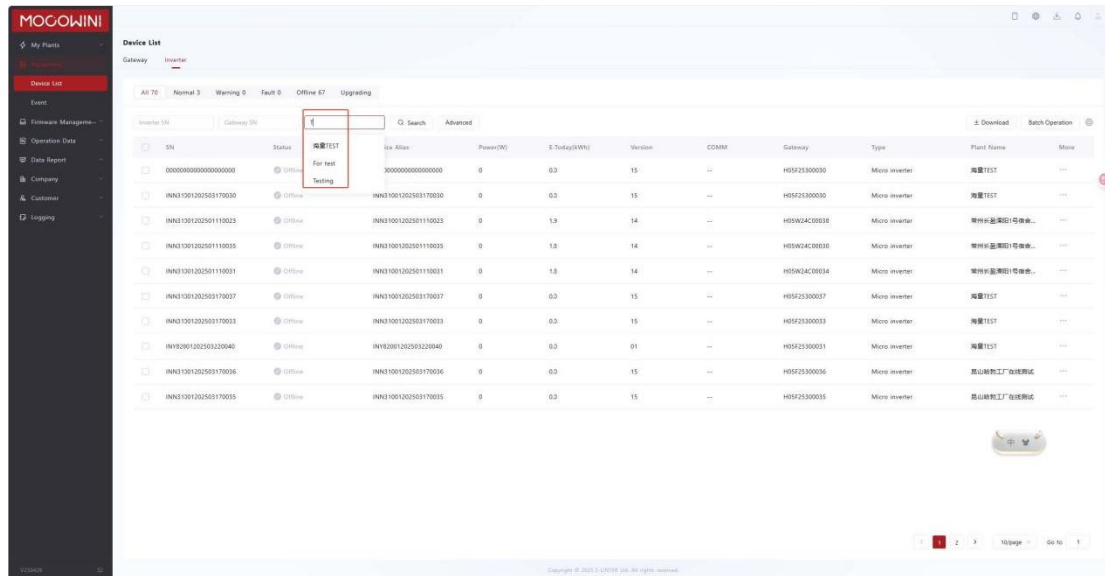
In inverter search, keywords can be entered for fuzzy search, and inverters containing the keywords can be searched, as shown in the figure:



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：

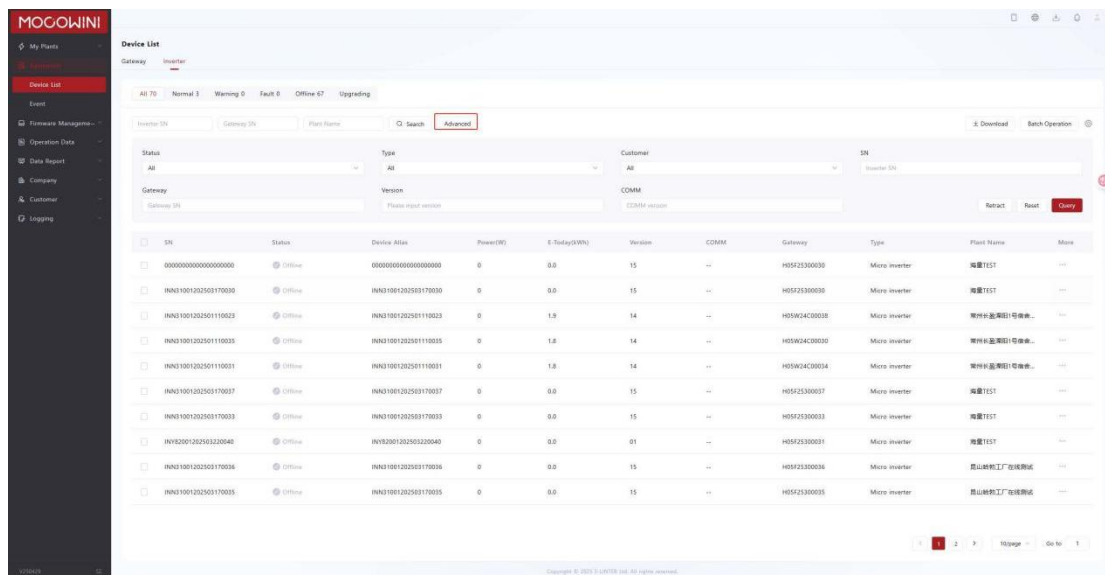


In the gateway serial number search, keywords can be entered for fuzzy search, and inverters containing the keywords can be searched, as shown in the figure:



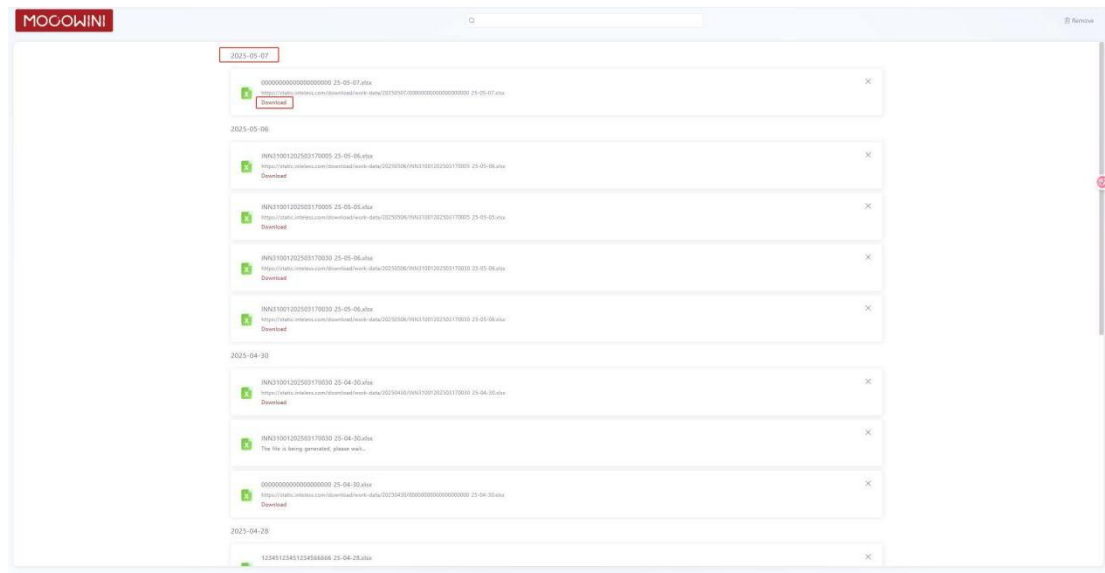
### 5.1.2.2.2 Advanced Search

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

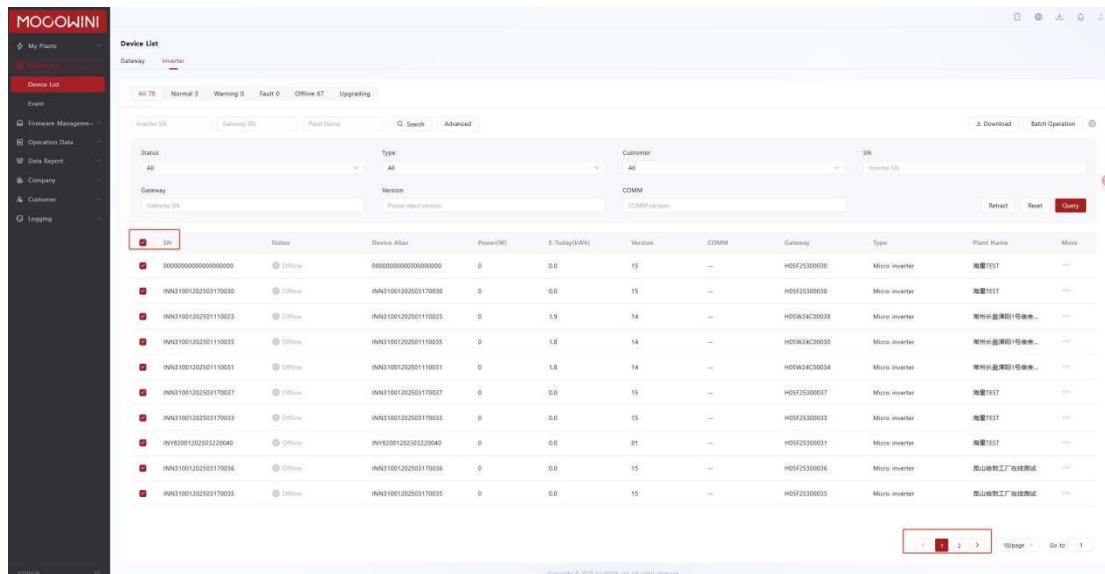


### 5.1.2.3 Download

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:

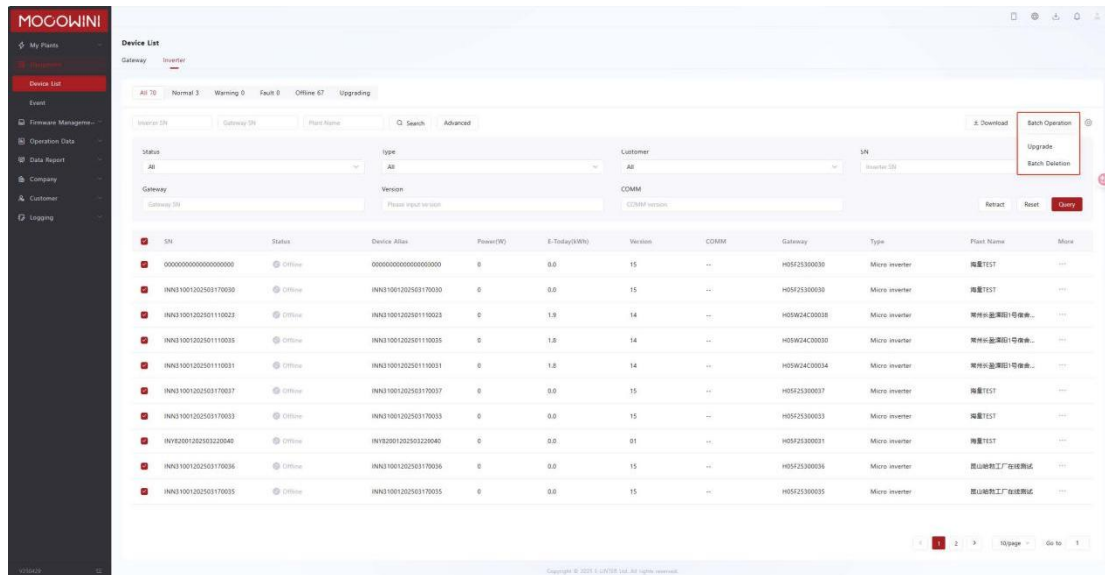


If the number is large, you can increase the number of displays in the lower right corner to download.

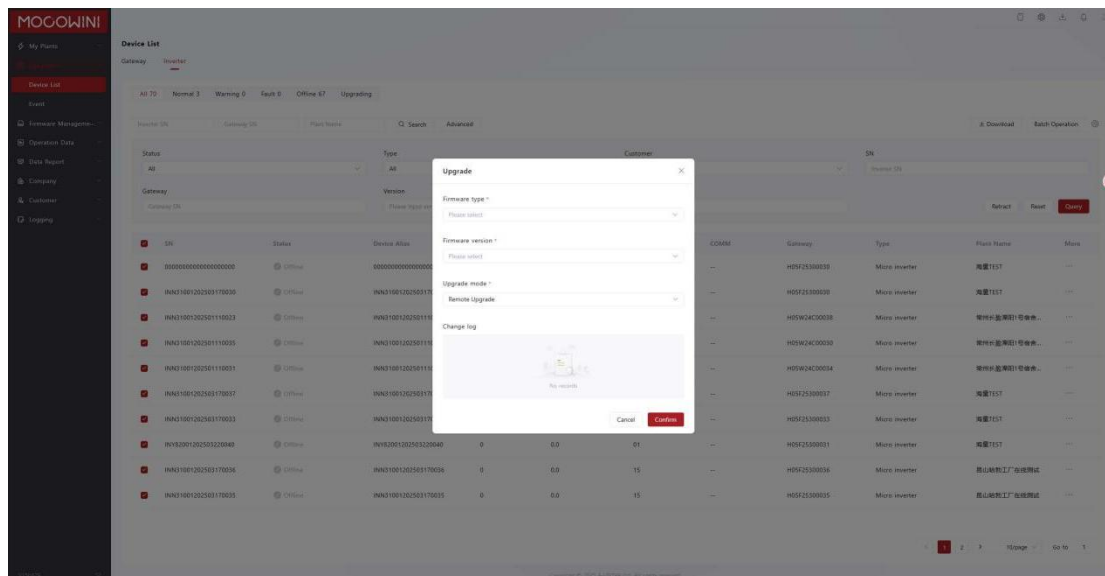
## 5.1.2.4 Batch Operation

### 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:

**Device List**

Gateway Inverter

All 76 Normal 1 Warning 0 Fault 1 Offline 68 Upgrading

2 Gateway ID Plant Name Search Advanced Download Batch Operation

ID	Status	Device Alias	Power(W)	E-Today(kWh)	Version	COMM	Gateway	Type	Plant Name
INX20120250320037	Offline	INX20120250320037	0	0.0	01	--	H5F25300046	Micro inverter	大老坎电站
INX31001202503170020	Fault	INX31001202503170020	0	0.0	15	--	H5F25300020	Micro inverter	大老坎电站
INX3100120250304220005	Offline	INX3100120250304220005	0	0.0	16	--	H5F25300047	Micro inverter	海量T151
INX31001202503170030	Offline	INX31001202503170030	0	0.0	15	--	H5F25300030	Micro inverter	海量T151
INX2012025030220001	Offline	INX2012025030220001	0	0.0	01	--	H5F25300003	Micro inverter	海量测试部
INX201202503220014	Offline	INX201202503220014	0	0.0	01	--	H5F25300049	Micro inverter	昆山锦和工厂在线测试
INX201202503220012	Offline	INX201202503220012	0	0.0	01	--	H5F25300003	Micro inverter	海量测试部
INX201202503220030	Offline	INX201202503220030	0	0.0	01	--	H5F25300072	Micro inverter	昆山锦和工厂在线测试
INX201202503220033	Offline	INX201202503220033	0	0.0	01	--	H5F25300000	Micro inverter	昆山锦和工厂在线测试
INX201202503220008	Offline	INX201202503220008	0	0.0	01	--	H5F25300054	Micro inverter	昆山锦和工厂在线测试

1 2 3 4 5 6 7 8 10page Go to 1

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### 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:

**Device List**

Gateway Inverter

All 76 Normal 1 Warning 0 Fault 1 Offline 68 Upgrading

2 Gateway ID Plant Name Search Advanced Download Batch Operation

ID	Status	Device Alias	Power(W)	E-Today(kWh)	Version	COMM	Gateway	Type	Plant Name
INX20120250320037	Offline	INX20120250320037	0	0.0	01	--	H5F25300046	Micro inverter	大老坎电站
INX31001202503170020	Fault	INX31001202503170020	0	0.0	15	--	H5F25300020	Micro inverter	大老坎电站
INX3100120250304220005	Offline	INX3100120250304220005	0	0.0	16	--	H5F25300047	Micro inverter	海量T151
INX31001202503170030	Offline	INX31001202503170030	0	0.0	15	--	H5F25300030	Micro inverter	海量T151
INX2012025030220001	Offline	INX2012025030220001	0	0.0	01	--	H5F25300003	Micro inverter	海量测试部
INX201202503220014	Offline	INX201202503220014	0	0.0	01	--	H5F25300049	Micro inverter	昆山锦和工厂在线测试
INX201202503220012	Offline	INX201202503220012	0	0.0	01	--	H5F25300003	Micro inverter	海量测试部
INX201202503220030	Offline	INX201202503220030	0	0.0	01	--	H5F25300072	Micro inverter	昆山锦和工厂在线测试
INX201202503220033	Offline	INX201202503220033	0	0.0	01	--	H5F25300000	Micro inverter	昆山锦和工厂在线测试
INX201202503220008	Offline	INX201202503220008	0	0.0	01	--	H5F25300054	Micro inverter	昆山锦和工厂在线测试

1 2 3 4 5 6 7 8 10page Go to 1

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## 5.1.3 Battery

Not available.

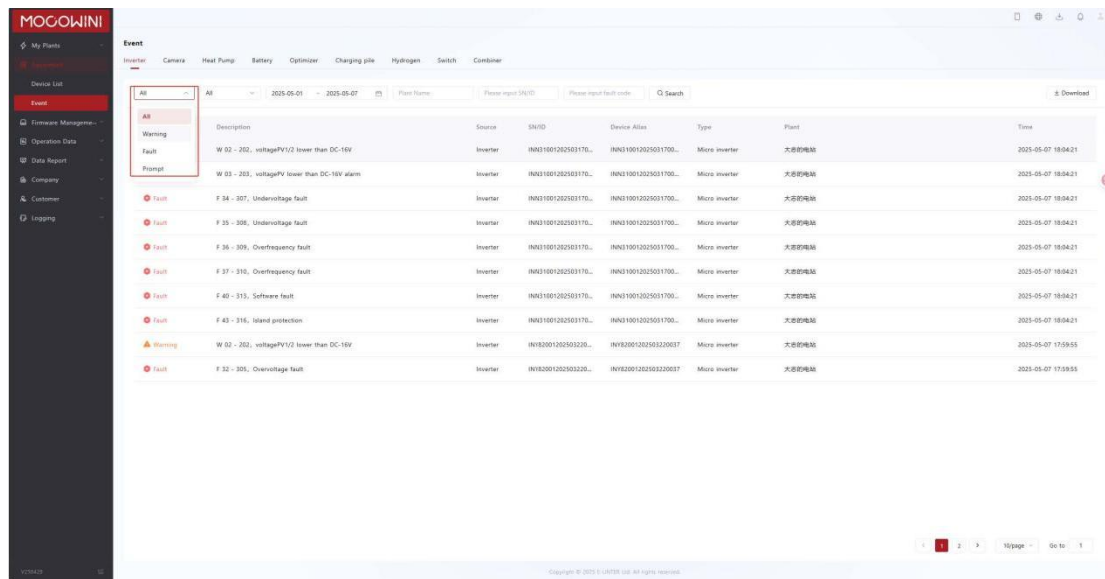


## 5.2 Event List

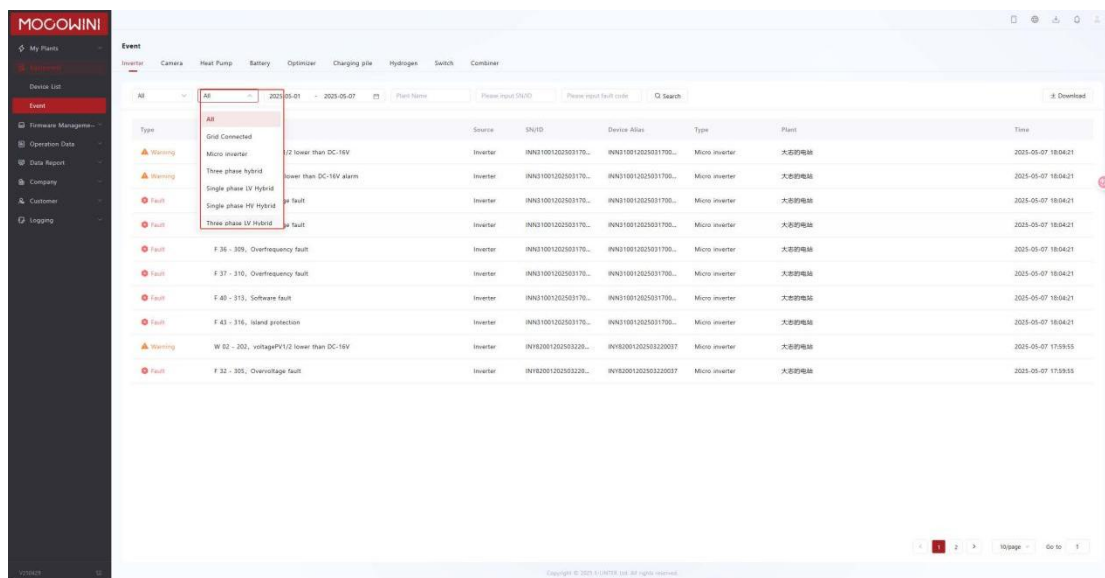
### 5.2.1 Inverter

#### 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:

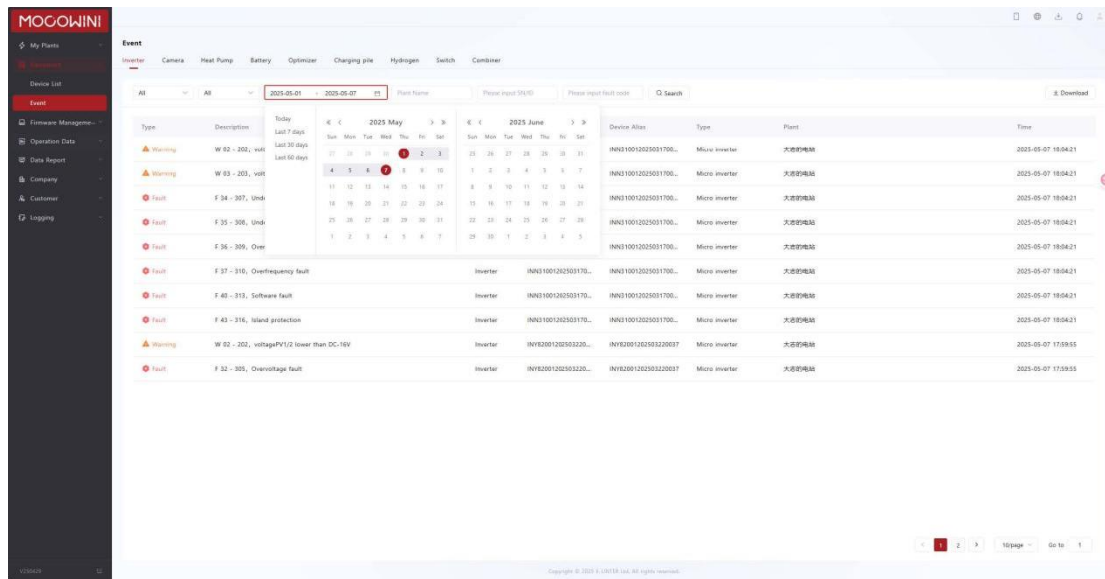


Select the drop-down box to select the micro-inverse type, categories include "all", "grid-connected", "three-phase hybrid, etc., as shown in the figure:



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

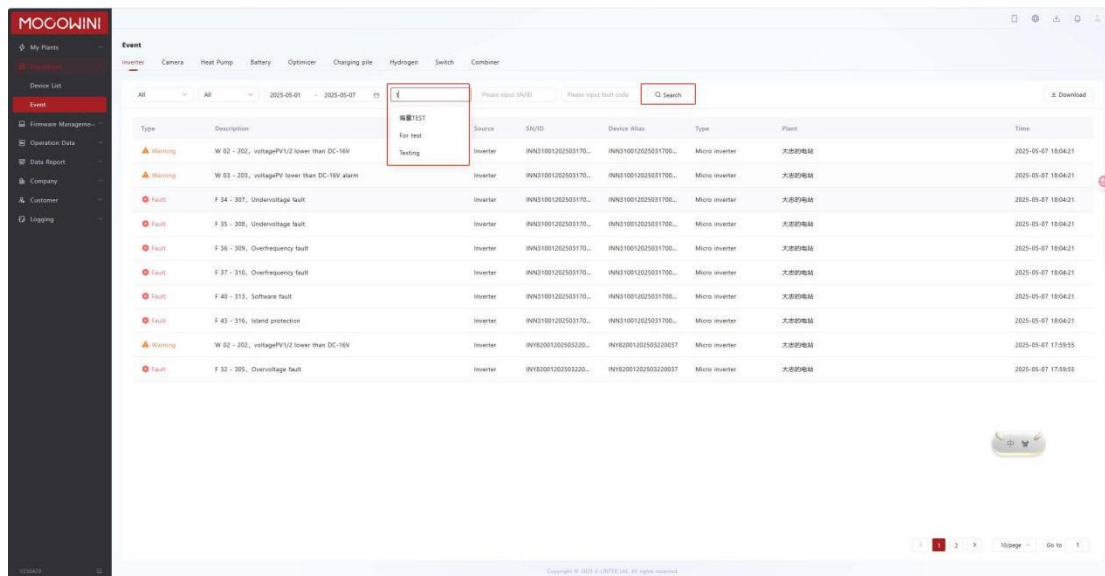
figure:



## 5.2.1.2 Search

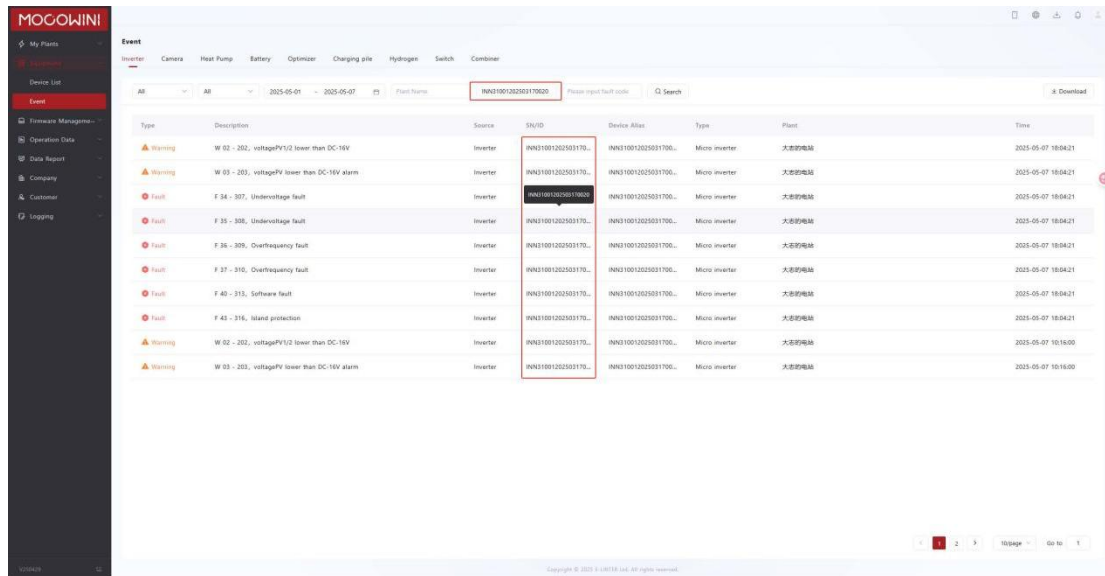
### Plant Search

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

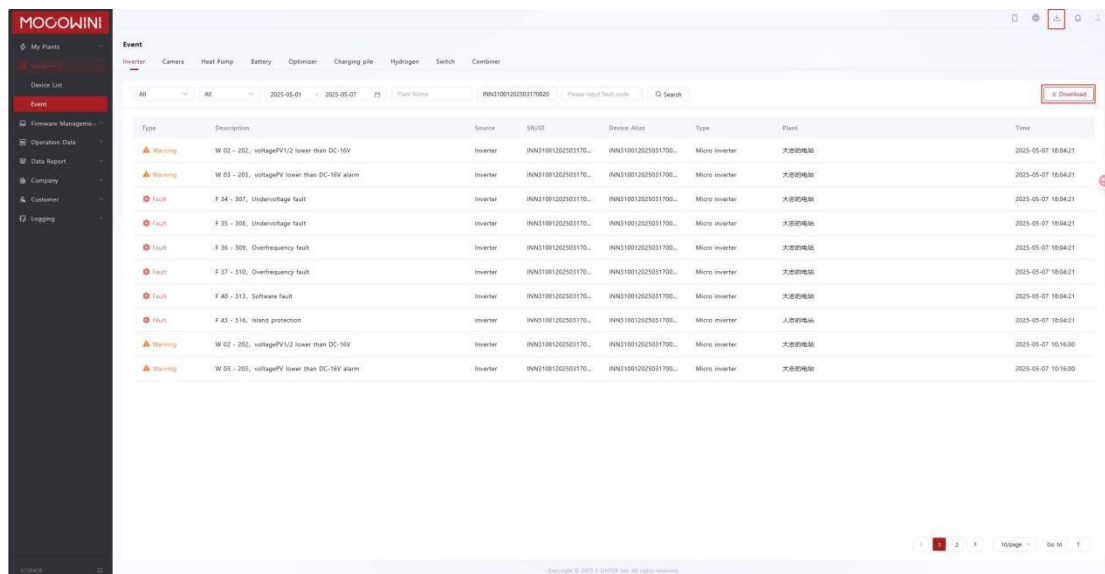
Enter the complete and correct serial number of the inverter and click "Search", as shown in the figure:



## 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:

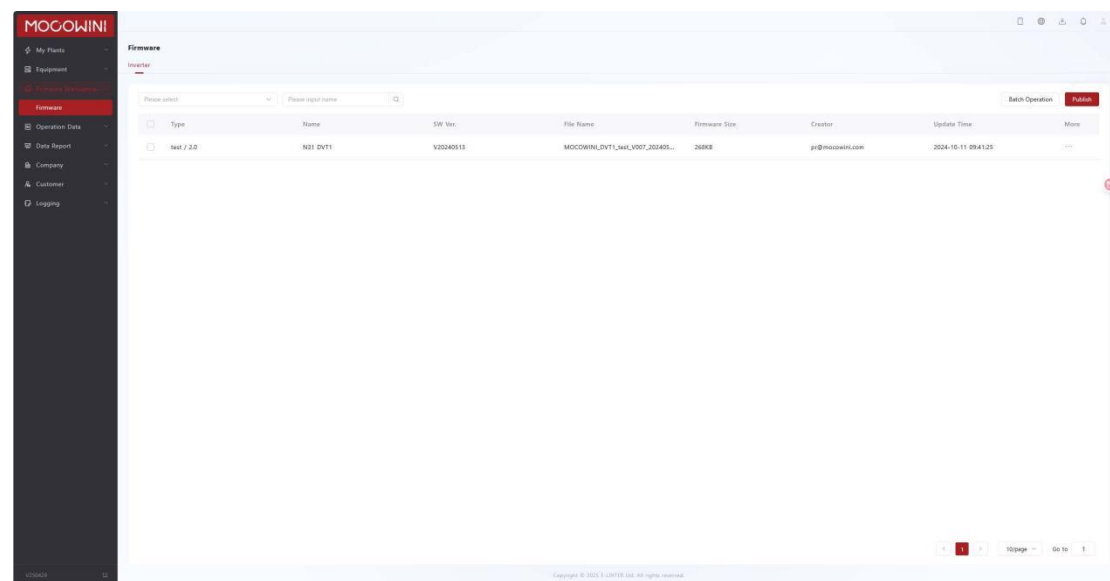


## 5.2.2 Other Equipment

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

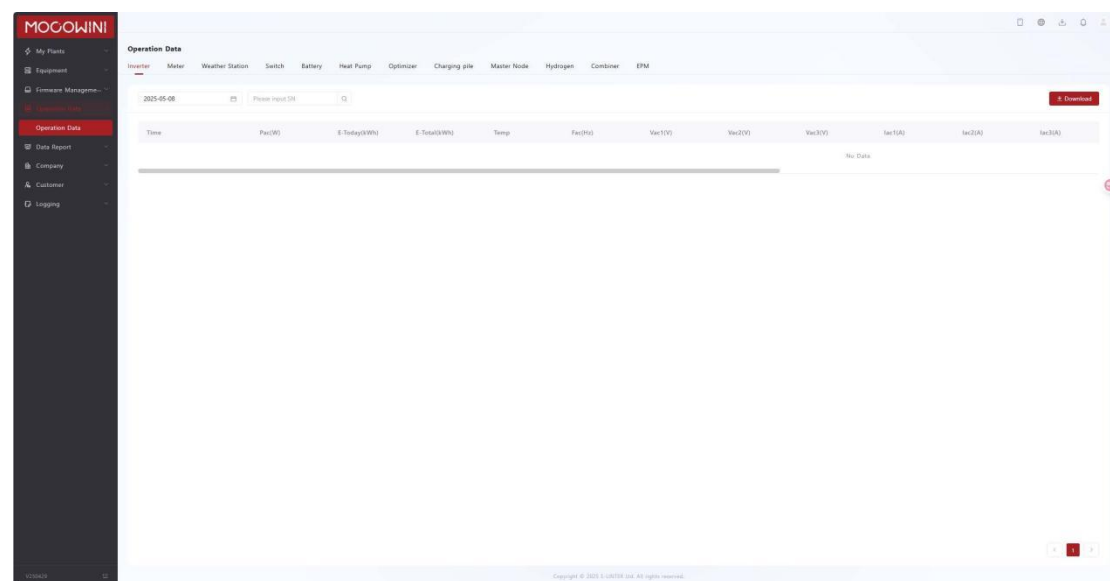
## 6 Firmware Management

### 6.1 Firmware



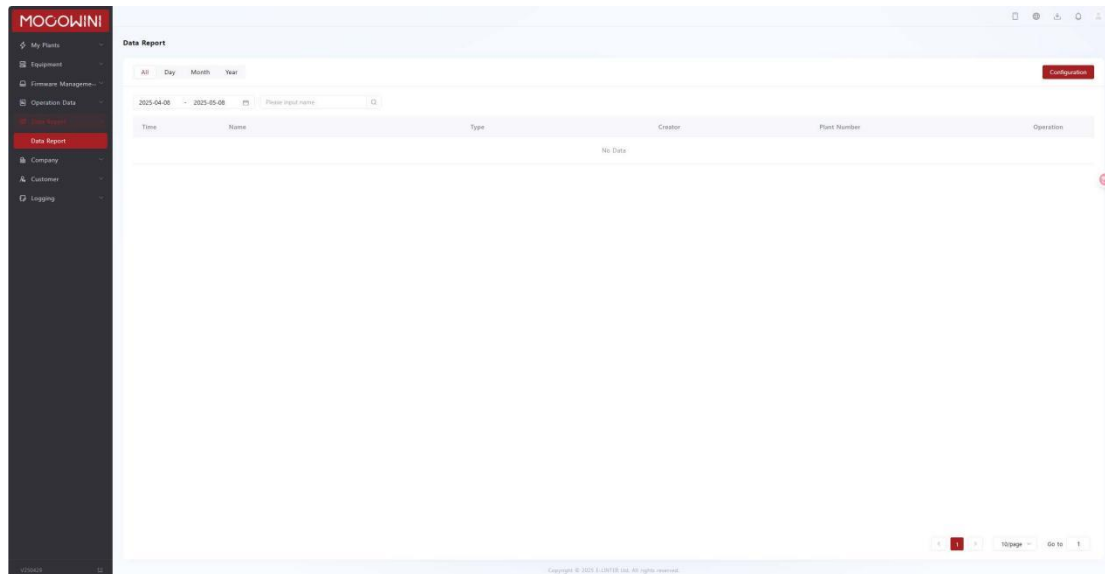
## 7 Operation Data

### 7.1 Operation Data



## 8 Data report

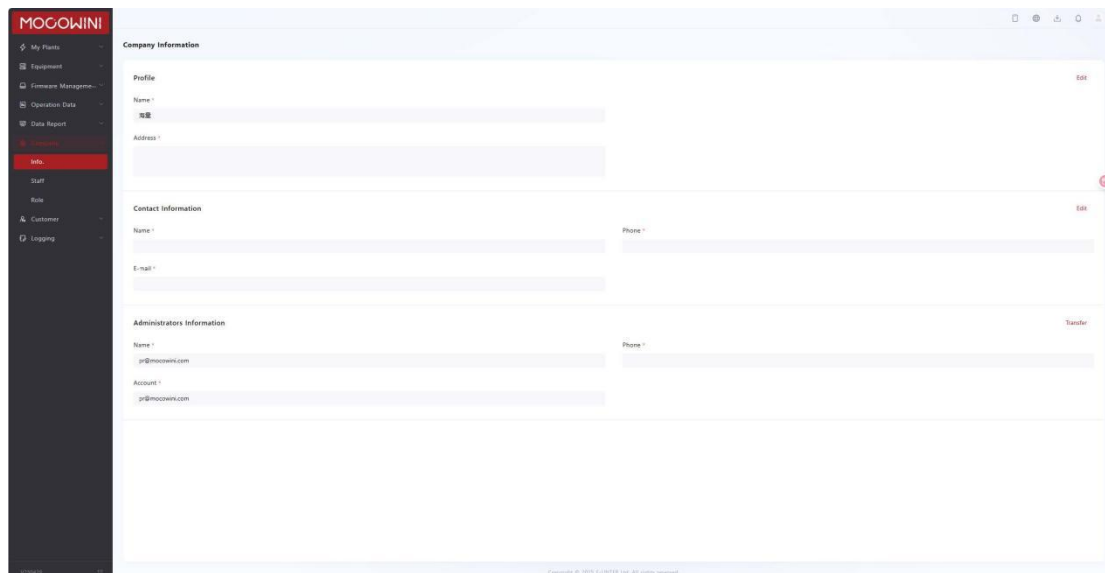
### 8.1 Data report



## 9 Company

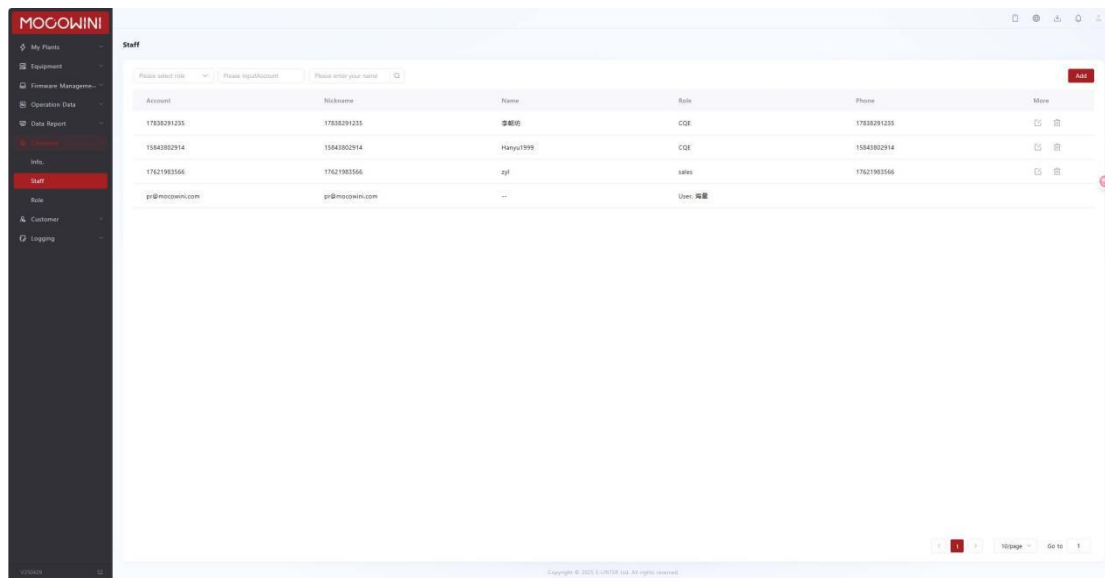
### 9.1 Info

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:



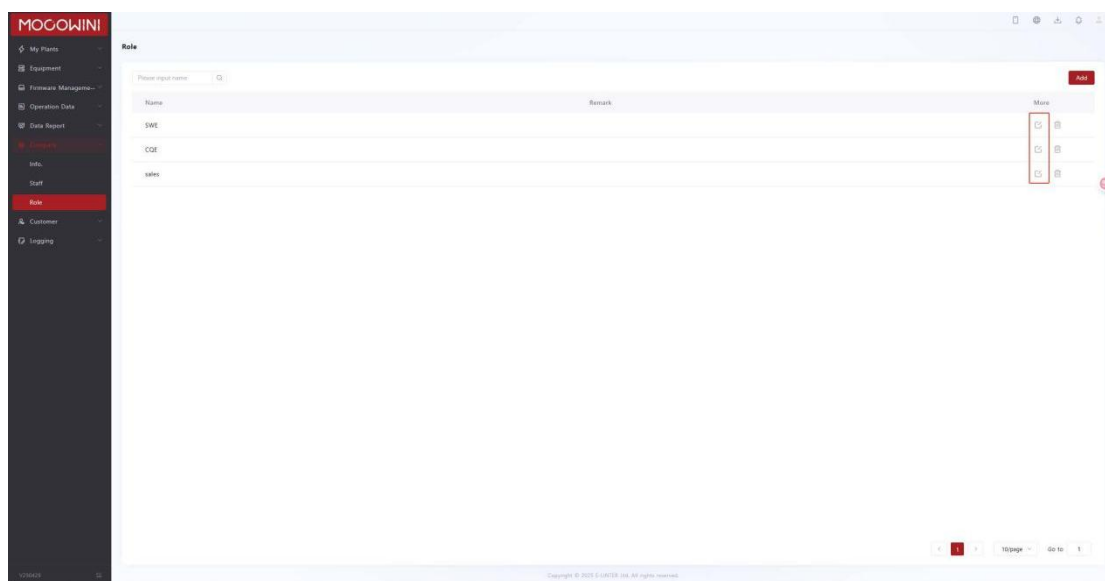
### 9.2 Staff

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:



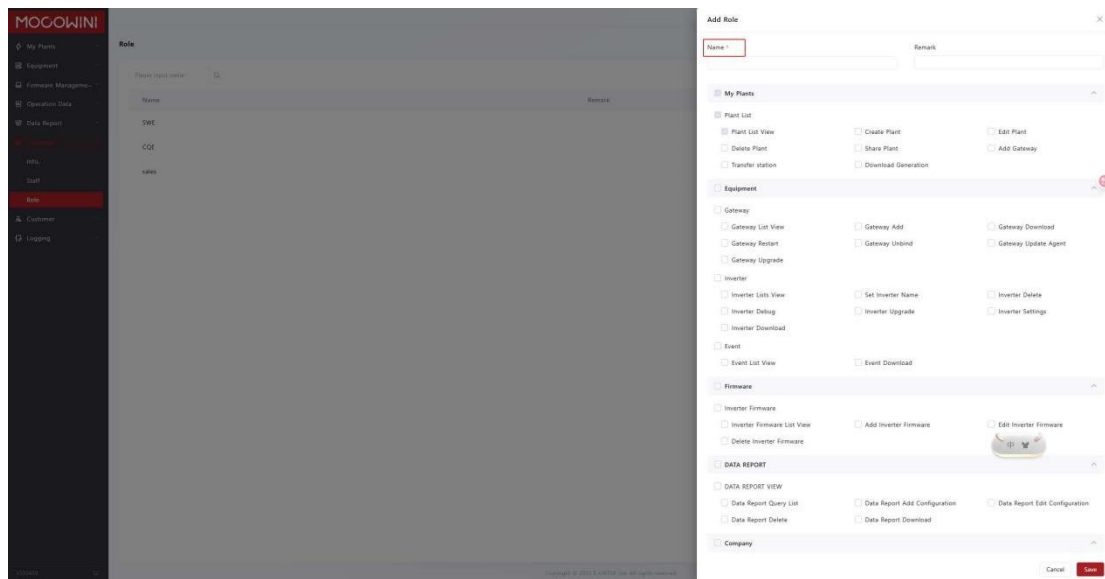
### 9.3 Role

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





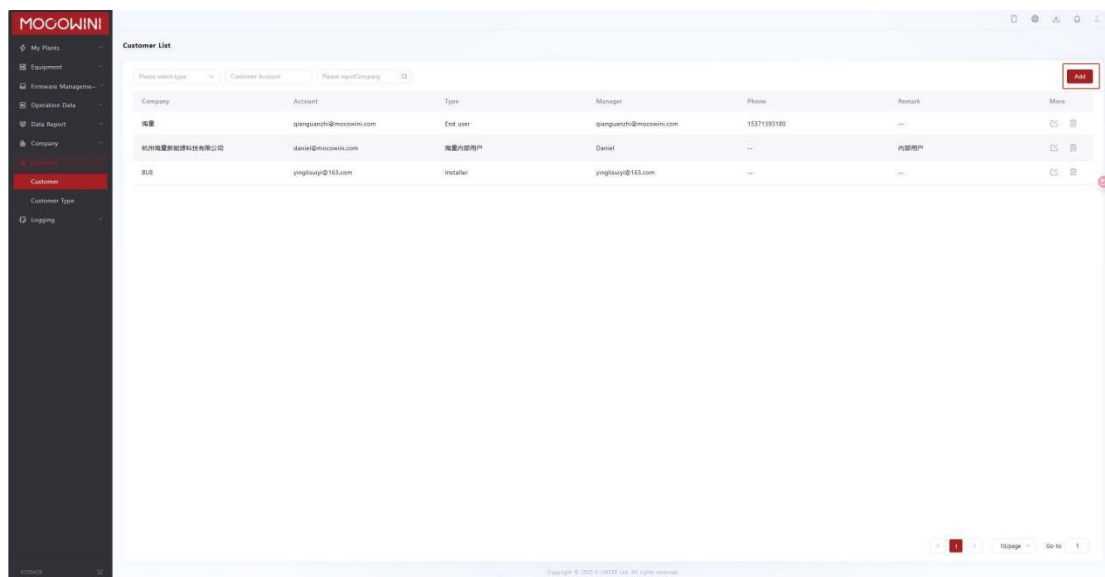
Click the "Add" button on the right, you can add the role, enter the "name", and then check the function below to grant permissions, as shown in the figure:



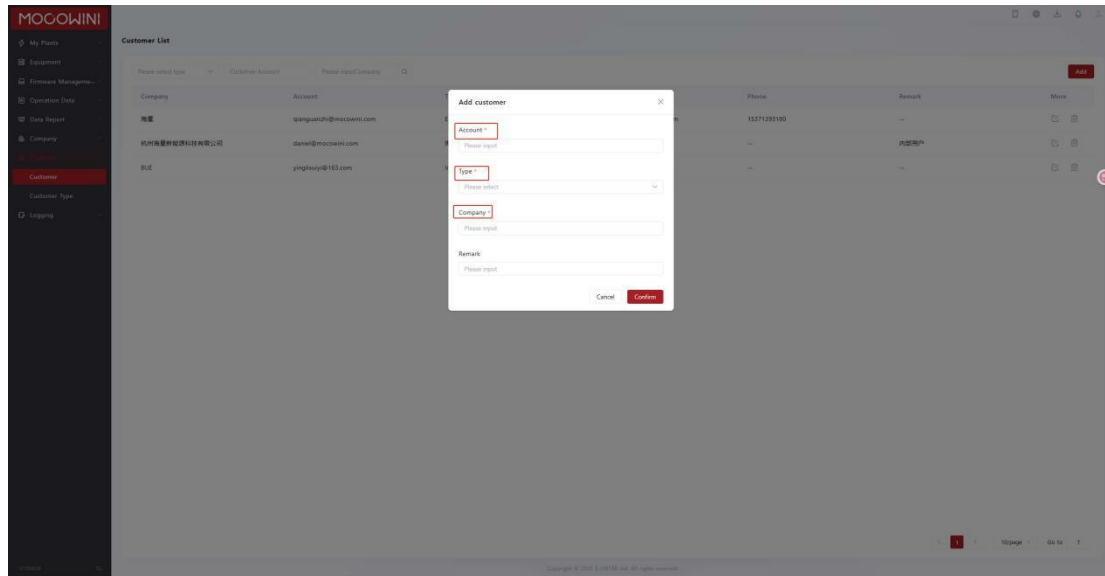
## 10 Customer

### 10.1 Customer

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

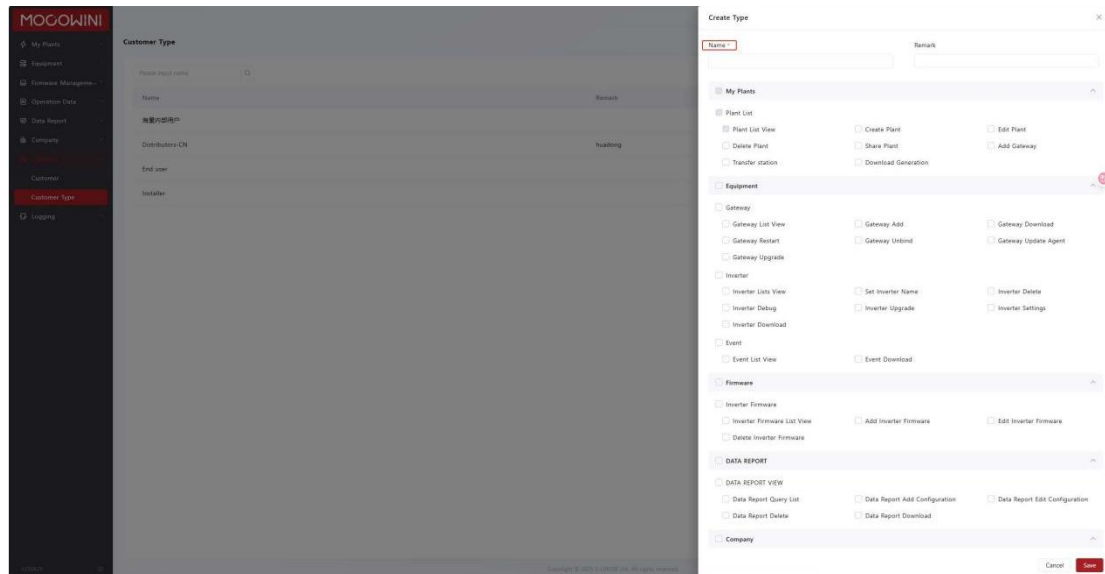


To add a customer, you need to fill in "Account", "Type" and "Company", as shown in the figure:



## 10.2 Customer Type

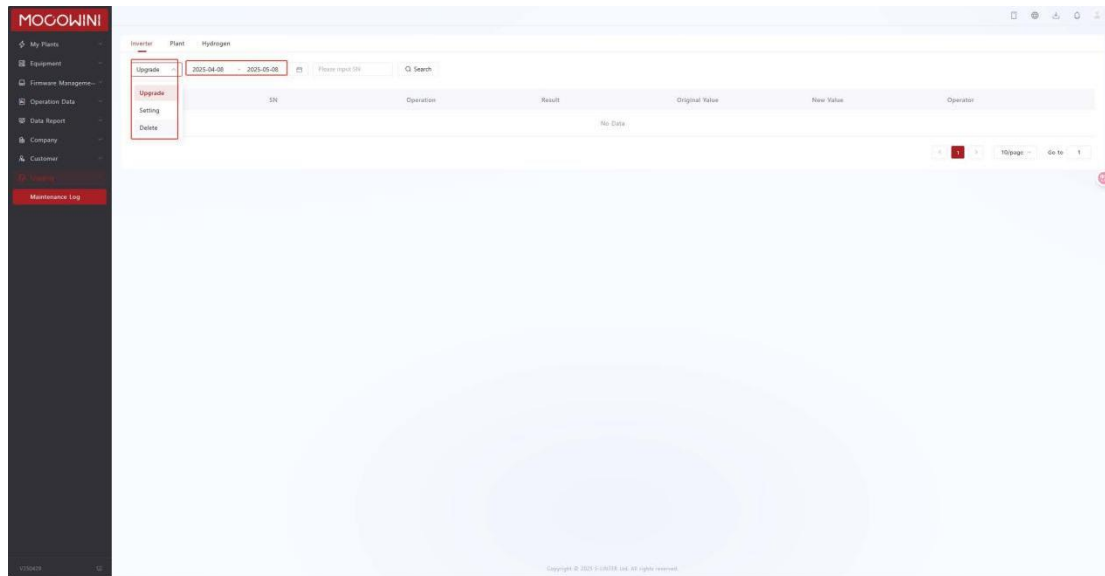
Click "Add" on the right, you can fill in "Name" and tick the box of required permissions, as shown in the figure:



## 11 Logging

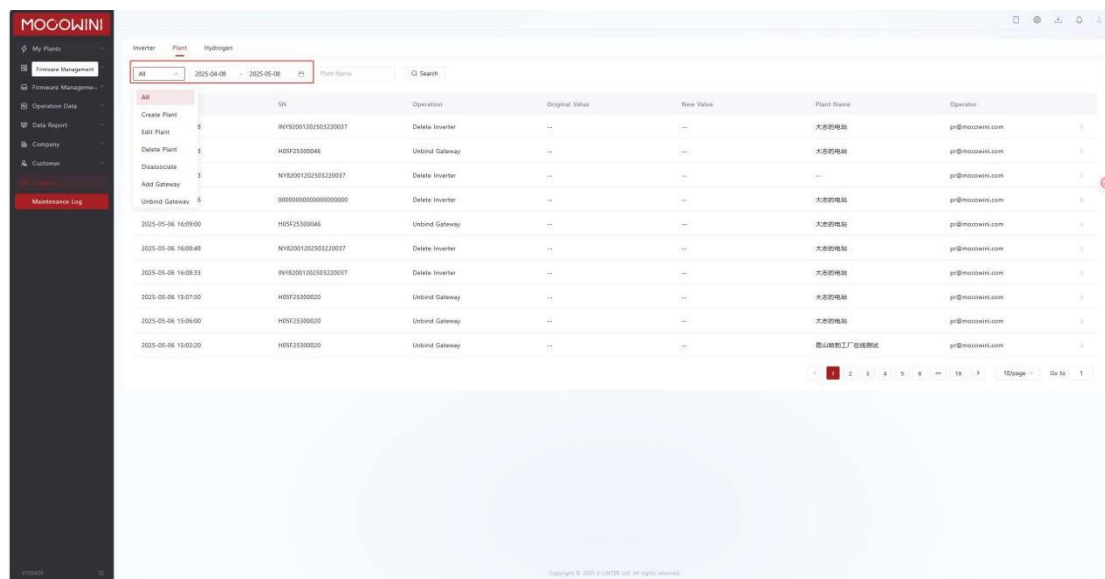
### 11.1 Inverter

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:

