

# **MatriCloud Platform Web Operation Guide for Energy Storage Inverters (Europe and North America)**

**Web Release Version: v2.6.0**

**Shanghai Chint Power System Co., Ltd.**

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# 1 About This Manual

## 1.1 Purpose and Scope

The MatriCloud platform provides comprehensive energy power station management through web browsers and mobile app, featuring account/site/device management, firmware updates, and maintenance services.

This manual helps users operate and maintain site devices using the MatriCloud platform web. This manual is written for distributors and installers working with energy storage products in Europe and North America, explaining how to manage sites, control inverters, update firmware, and handle maintenance in a simple way.

Scan the QR code below to download the MatriCloud App. For App operation instructions, see the *MatriCloud Platform Mobile APP-Local Mode Operation User Guide*. And MatriCloud Platform Mobile APP-Remote Mode Operation User Guide.



## 1.2 Configuration Requirements

Configuration	Requirement
Browser	Google Chrome version 60 or higher is recommended; Safari version 10 or higher and Mozilla Firefox version 60 or higher are supported.
Resolution	1920×1080 is recommended; 1366×768 is supported.

## 1.3 Symbol Description

Additional information in the manual that highlights and supplements the content and may also provide tips or tricks to optimize the use of the product, which helps solve problems or save time.

## 1.4 Main Contents

This manual mainly introduces the installation, configuration, and basic operation methods of MatriCloud Platform.

**NOTE!**

The interface illustrated in this Manual is MatriCloud Platform. The icons and data involved in the picture are for reference only. Please refer to the actual interface.

## 1.5 All Rights Reserved

**Copyright © Shanghai Chint Power Systems Co., Ltd. 2025. All rights reserved.**

Without the authorization of Shanghai Chint Power Systems Co., Ltd. (hereinafter referred to as "Chint Power"), relevant contents of this Manual shall not be diffused, reproduced, or forwarded to a third party without permission, nor uploaded to public networks and other third-party platforms.

## 1.6 Trademark



This trademark and other Chint power trademarks used in this Manual are owned by Chint Power. All other trademarks or registered trademarks mentioned in this Manual are the property of their respective owners.

## 1.7 Software Licensing

- It is prohibited to use part or all the data in firmware or software developed by the Company for commercial purposes in any way.
- It is prohibited to perform decompilation, decoding or other operations which will break the original program design.

## 2 Account and User

### 2.1 Account, Role, and Permission Overview

On MatriCloud platform, different roles are assigned different permissions. Identities of Distributors and installers can self-register accounts on the system, which are granted administrator privileges by default. Administrators can create multiple user accounts and assign them roles: O&M and Owner User. The specific permissions for Administrators, O&M, and Owner Users are shown in the table below:

Role	Permissions
Administrator (Distributor and installers)	Merchant Management, Stie Management, Gateway Management, Inverter Management, Upgrade Management, Maintenance Services
Operations &Maintenance (Operations Engineer)	Merchant Management (not able to delete merchant), Stie Management, Gateway Management, Inverter Management, Upgrade Management, Maintenance Services
Owner User (CommonUser)	View site, gateway, and inverter information

**NOTE!**

This manual introduces the platform operation on the point view of Operations &Maintenance (Operations Engineer).

### 2.2 Distributor and Installer Account Registration

Distributors and installers can self-register accounts in the system, which are assigned administrator privileges by default. Follow the steps below to complete the self-registration process:

1. Access the Registration Page:

- For Europe: Go to <https://eu.chintpower.com>.
- For North American: Go to <https://icloud.chintpowersystems.com>.

2. Click **Sign Up Now** on the sign-in page to access the registration page.

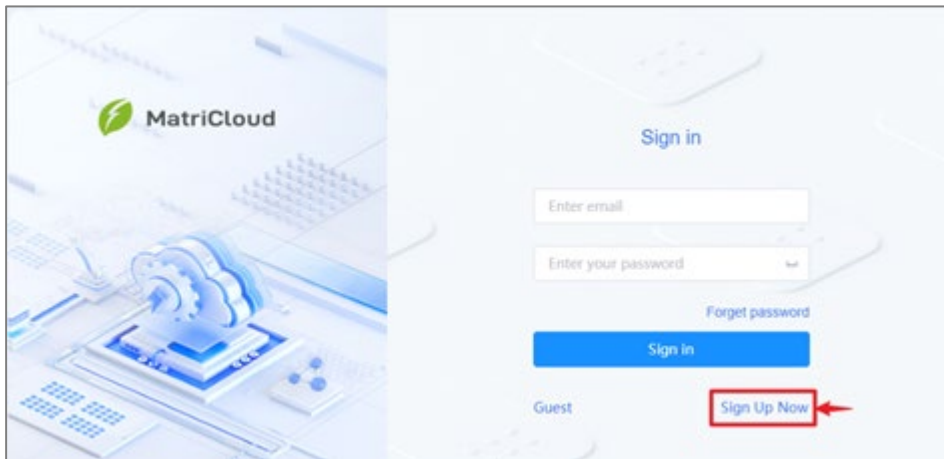


Figure 2-1 Sign Up

3. Select Account Type: Distributor Account, Installer Account, or Owner Account, then click **Next** to proceed to the registration form.

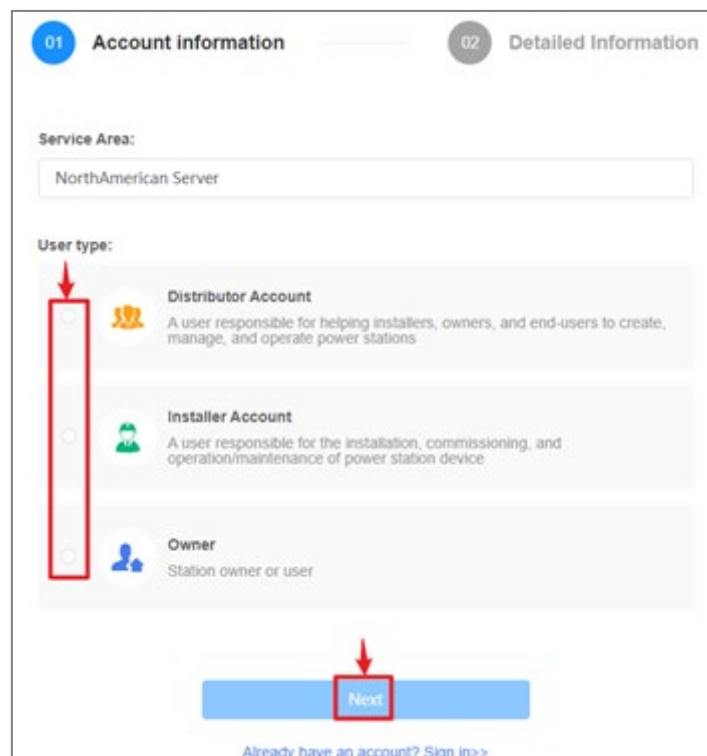


Figure 2-2 Select Account Type

4. Complete Registration: Enter your registration information, agree to the Privacy Policy, then click **Submit** to register.

01 Account information

02 Detailed Information

\* Company Users

Enter user name

\* Region

Please select

\* Email

Enter email

\* Password

New password

\* Confirm password

Confirm password

\* Code

Verification code

Send

\* Access code ⓘ

Access code

☐ I accept to [Terms of Use](#) , and have read [Privacy Policy](#)

Previous

Confirm

Figure 2-3 Complete Registration

Item	Description
Company name	Enter the company (merchant) name. Once the account is successfully registered, the company name will appear in the Company List. Please refer to <b>Section 5.1 Manage Company</b> for more information.
Region	Select a region from dropdown list
Email	Enter correct email
Password	The password must be 6 to 18 characters long and include a combination of uppercase letters, lowercase letters, numbers, and special characters.
Confirm Password	Input password again and keep it consistent with the password entered the first time
Code	After entering the email, click “Send”. A verification code will be sent to your email inbox.
Access Code	The access code is the organizational code of your superior service provider. Contact your superior distributor or installer to obtain it. After entering the code, your superior can access and manage the power stations under your supervision.
Terms of Use and Privacy policy	Read these two documents and tick the left-hand check the box.

Table 2-1 Account Registration



5. **Log In to the system:** After the account is successfully registered, the page will automatically redirect to the login page. Use your registered email and password to log in.

## 2.3 Forget Password

This section describes **two methods** for retrieving a forgotten password.

### 2.3.1 Method 1: Contact the Service Provider

Contact the service provider to reset the password. After resetting, the new password will be sent to the reserved e-mail.

### 2.3.2 Method 2: Self-Service Password Reset

Follow the steps below to reset your password yourself:

1. **Visit the website:**
  - For Europe: Go to <https://eu.chintpower.com>.
  - For North American: Go to <https://icloud.chintpowersystems.com>.
2. **Access the Password Retrieval Page:** Click **Forgot Password** to proceed to the password retrieval page.

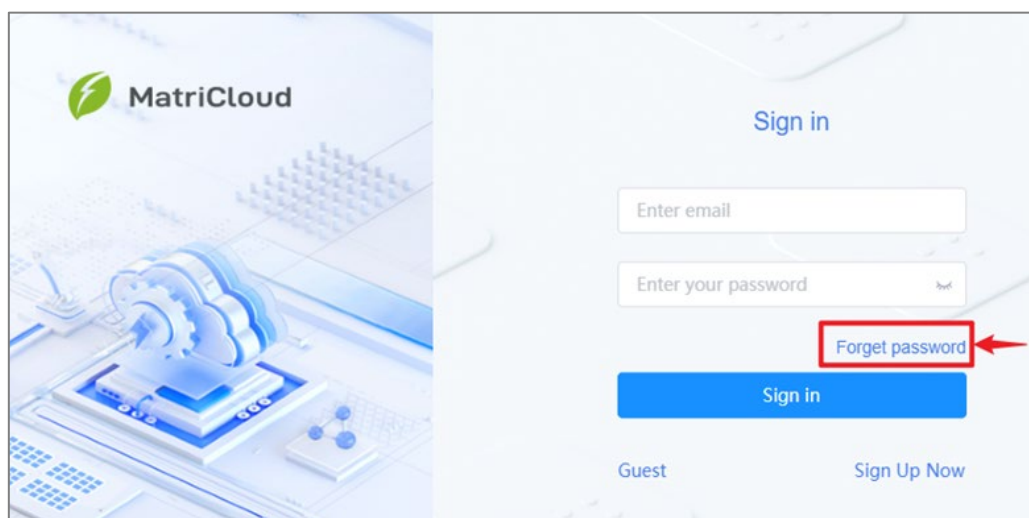


Figure 2-4 Password Reset

3. **Retrieve Your Password:** Fill in your registration information and click the **Determine** button to retrieve your password.

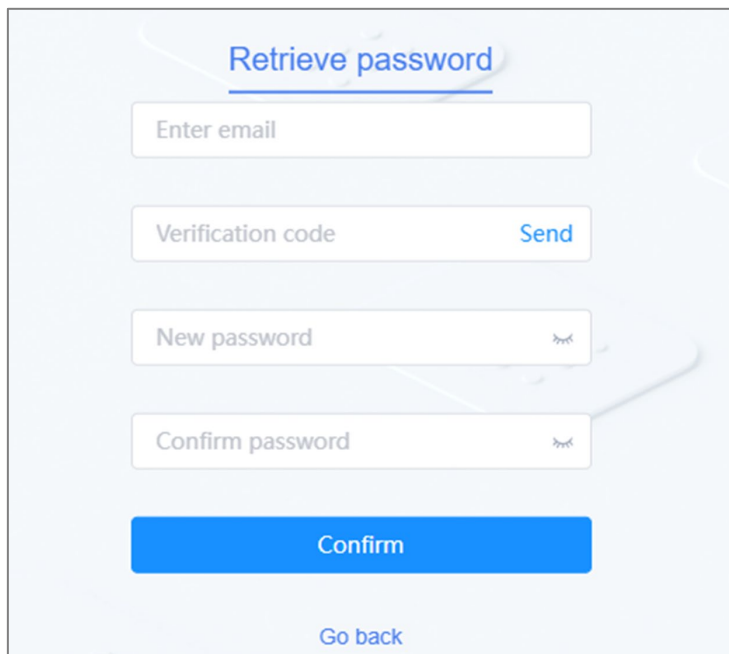


Figure 2-5 the password retrieval page

Item	Description
E-mail	Enter your email account
Verification Code	After filling in the e-mail, click Send and enter the verification code received.
New password	The password must be 6 to 18 characters long and include a combination of uppercase letters, lowercase letters, numbers, and special characters.
Confirm password	Input again and keep it consistent with the new password entered just now.

Table 2-2 Retrieve Password

### 3 User Configuration

The User Configuration page allows you to modify your profile avatar, username, currency unit, email, and password. This section explains how to update these settings.

#### 3.1 Update Avatar, Username, and Currency Unit

Follow these steps to update your profile avatar, username, or currency unit:

1. Click your username in the upper-right corner of the page.
2. Select **User Configuration** from the dropdown menu.

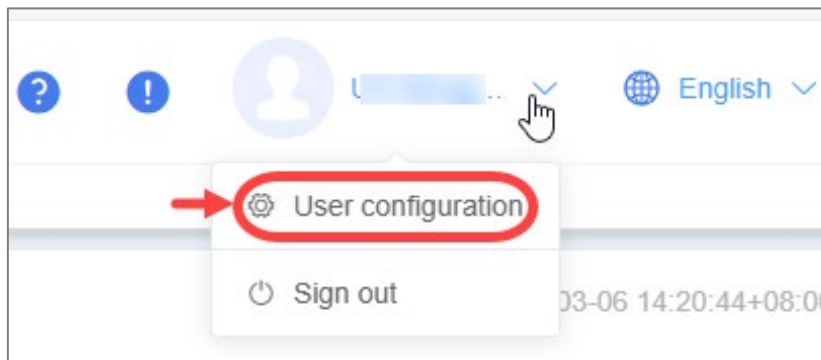


Figure 3-1 User Configuration

3. Click **Profile**.
4. Perform any of the following actions:
  - Upload a new profile picture
  - Enter a new username.
  - Select a currency unit from the dropdown.
5. Click **Update** to save the changes.

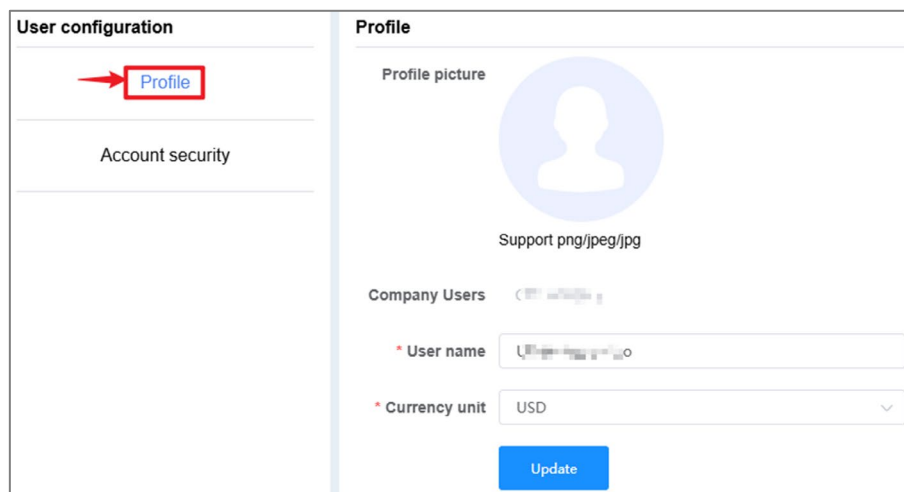


Figure 3-2 Profile Update

## 3.2 Modify Your Email

1. Click **User configuration** -> **Account security**.
2. In the email section, click **Modify**.

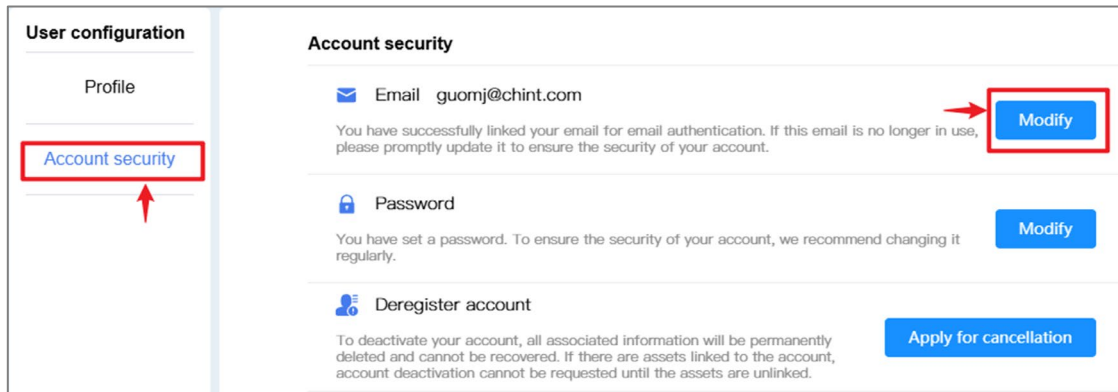


Figure 3-3 Modify Email

3. Click **Send** to receive a verification code at your current email address.
4. Enter the verification code, then click **Verification**.

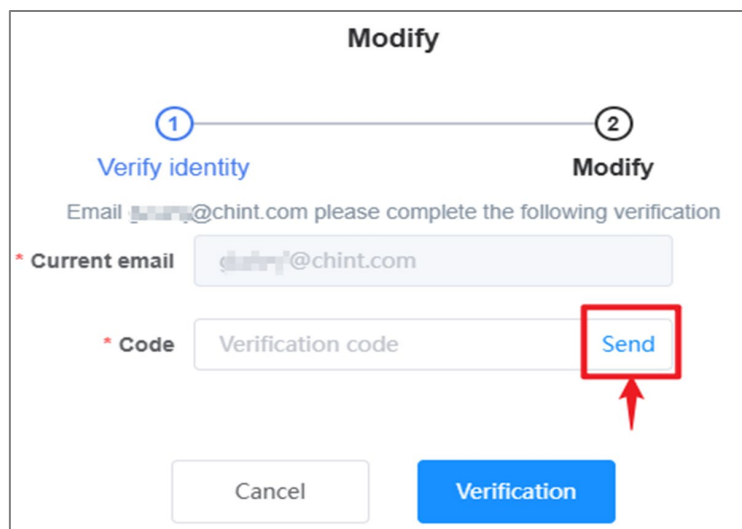


Figure 3-4 Verification mail

5. Enter your new email address, then click **Send**. A verification code will be sent to the new email.
6. Enter the verification code, then click **Confirm** to update your email.

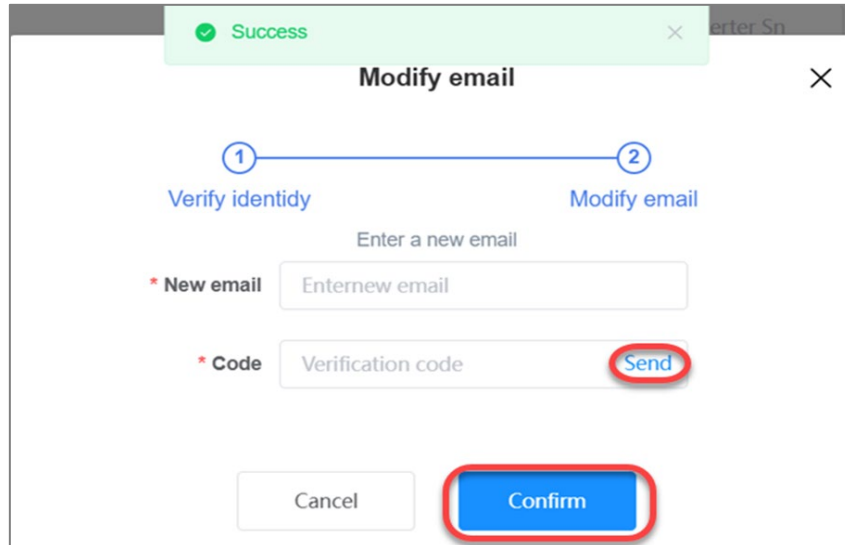


Figure 3-5 Enter New Email

### 3.3 Reset Your Password

Follow these steps to reset your password:

1. Go to **User Configuration -> Account Security**.
2. In the password section, click **Modify**.

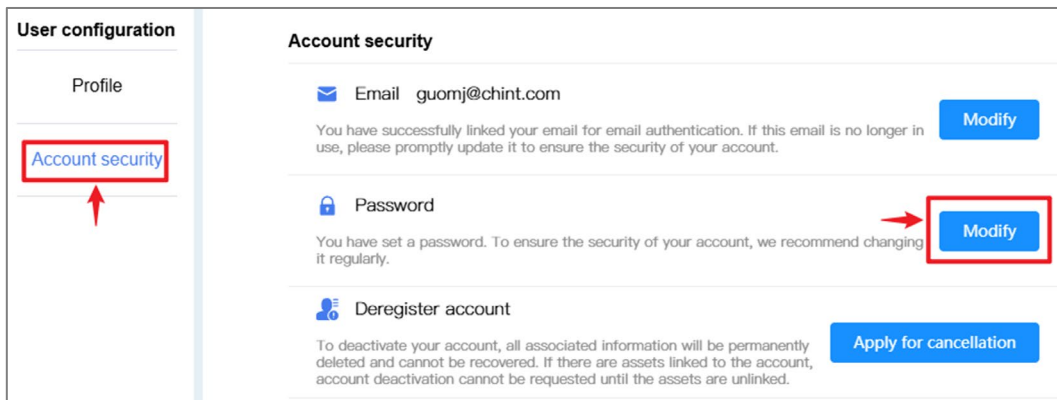
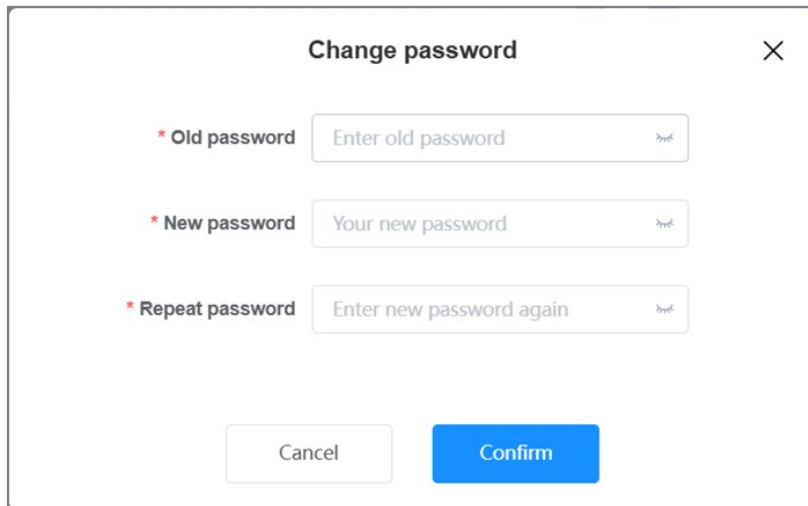


Figure 3-6 Reset Password

3. Enter your current password and your new password.
4. Click **“Confirm”** to reset your password.



A dialog box titled "Change password" with a close button (X) in the top right corner. It contains three input fields, each with a red asterisk icon to its left:

- \* Old password: Enter old password
- \* New password: Your new password
- \* Repeat password: Enter new password again

At the bottom, there are two buttons: "Cancel" (light gray) and "Confirm" (blue).

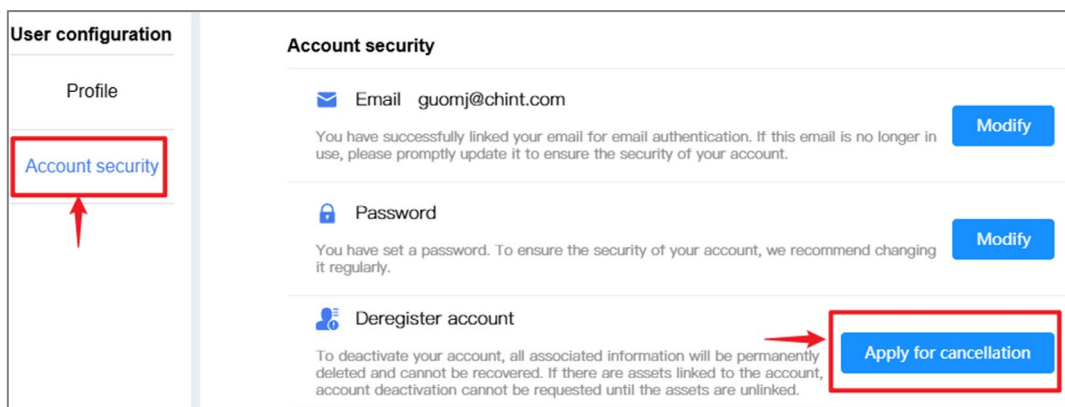
Figure 3-7 Confirm New Password

### 3.4 Deregister Your Account

Deactivating your account permanently deletes all associated information, and this action cannot be undone. If assets are linked to the account, you must unlink them before requesting deactivation.

Follow these steps to deregister your account:

1. Go to **User Configuration -> Account Security**.
2. In the Deregister Account section, click **Apply for cancellation**.
3. Read Account Cancellation Notice, then select the checkbox to confirm: *By applying for cancellation, you voluntarily waive all rights within the account and agree to withdraw.*
4. Click **"Confirm"** to complete the deactivation.



The "User configuration" page is shown with a sidebar on the left containing "Profile" and "Account security" (highlighted with a red box and an arrow). The main content area is titled "Account security" and contains three sections:

- Email**: guomj@chint.com. Below it, a message states: "You have successfully linked your email for email authentication. If this email is no longer in use, please promptly update it to ensure the security of your account." A blue "Modify" button is on the right.
- Password**: Below it, a message states: "You have set a password. To ensure the security of your account, we recommend changing it regularly." A blue "Modify" button is on the right.
- Deregister account**: Below it, a message states: "To deactivate your account, all associated information will be permanently deleted and cannot be recovered. If there are assets linked to the account, account deactivation cannot be requested until the assets are unlinked." A blue "Apply for cancellation" button is on the right, highlighted with a red box and an arrow.

Figure 3-8 Deregister Account

## 4 Home

After logging into MatriCloud, you are redirected to the Home page, as shown below. This page displays the status, key performance indicators (KPIs), yield, and revenue for all sites linked to your account. You can also view additional details, including active alarms, yield trend curves, monthly yield charts, yield rankings, and carbon emission reductions (CERs).

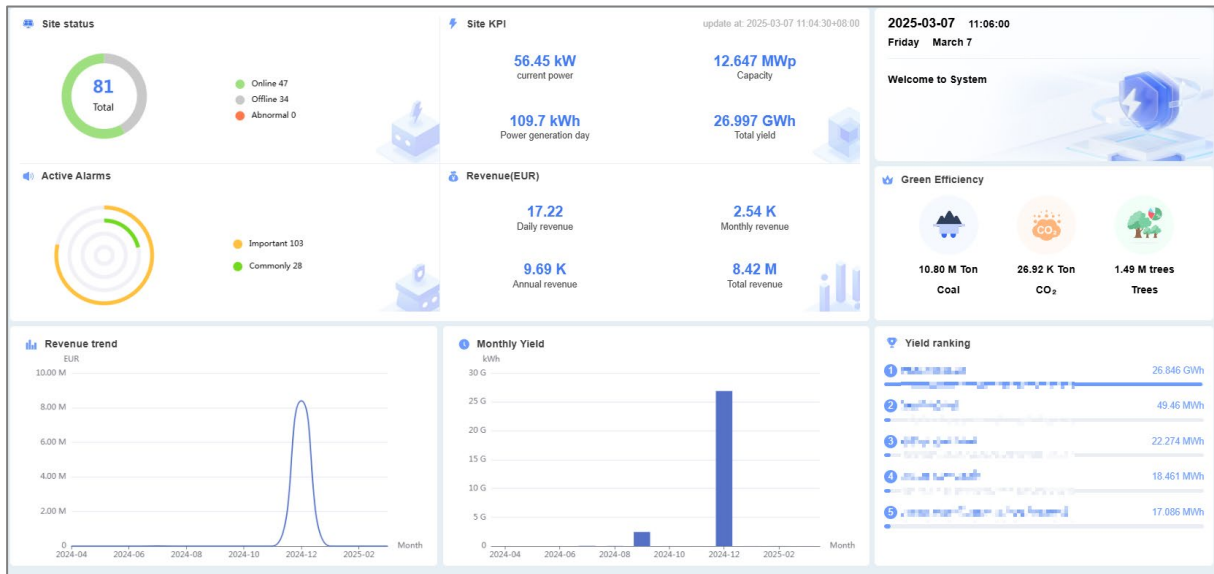


Figure 4-1 Home Page

### 4.1 Site Status

The site status card shows the operational status of sites for the current day.

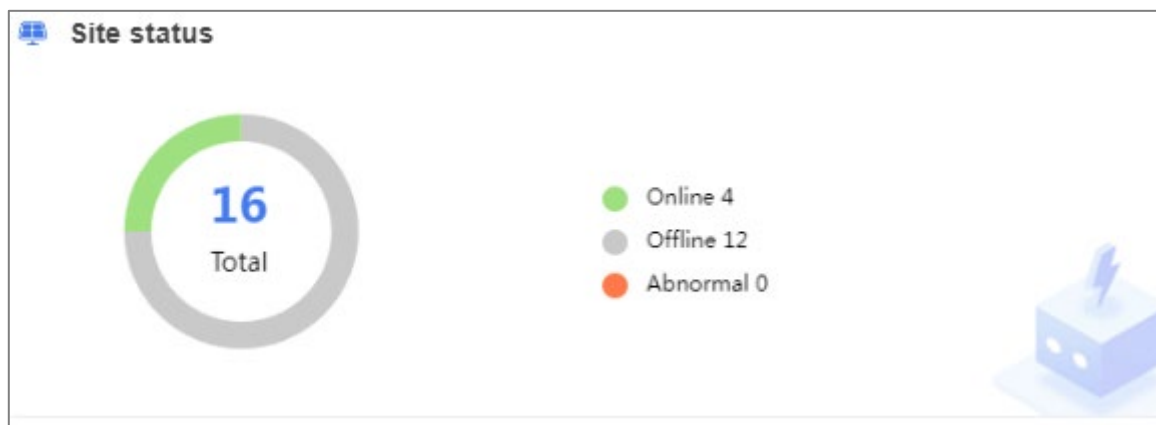


Figure 4-2 Site Status

Status	Description
Online	At least one device at the site is operational, and all devices are functioning normally.
Offline	All devices at the site are offline.
Abnormal	At least one device at the site is malfunctioning.

## 4.2 Site KPI

The site KPI section shows the operational performance metrics for each site:

- Current Power: The total current power output of all devices.
- Capacity: The total capacity of all devices.
- Daily Yield: The total daily yield of all devices.
- Total Yield: The cumulative yield of all devices.

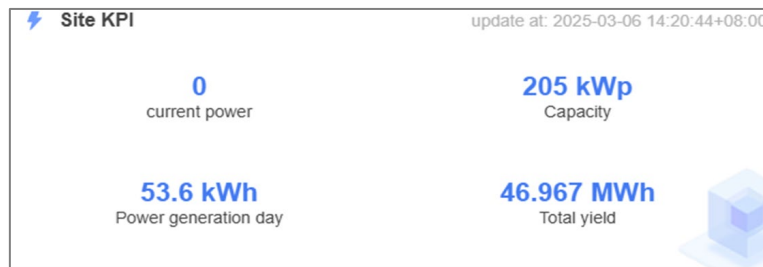


Figure 4-3 Site KPI

## 4.3 Active Alarms

This section displays device alarms for the current day.

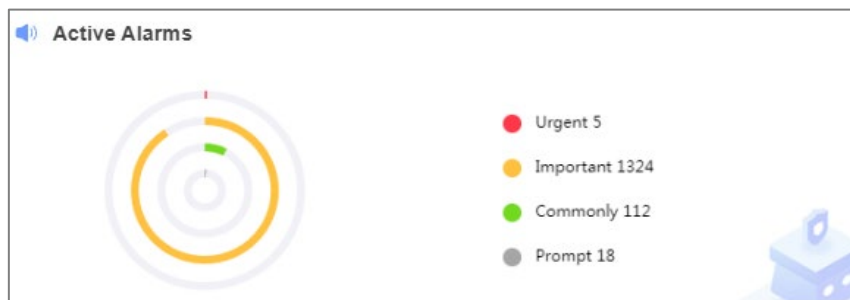



Figure 4-4 Active Alarms

Alarm Type	Description
Urgent	The device has stopped running; immediate intervention is required.
Important	Device efficiency is affected; intervention is required.
Common	No impact on device operation; intervention is optional.
Prompt	Informational messages are displayed.

Table 4-1 Alarm Type Description

## 4.4 Revenue

The revenue cards shows device revenue for the current day, viewable across different time periods.

	<b>NOTE!</b> The currency displayed in this card are depends on the your personal user configuration, see Change Currency Unit.
---	--



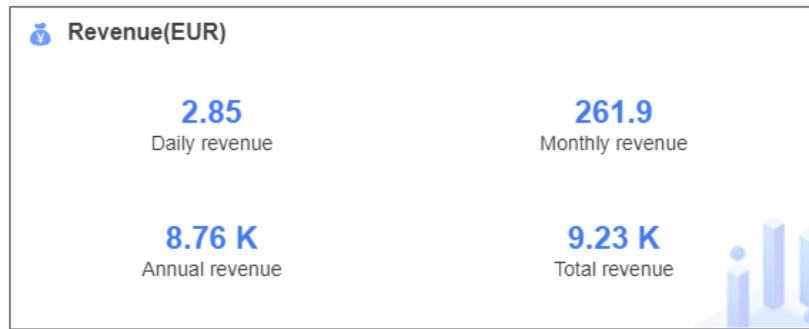


Figure 4-5 Revenue

## 4.5 Revenue and Monthly Yield Trends

The revenue trends and the monthly yield map for the corresponding time period can be viewed.

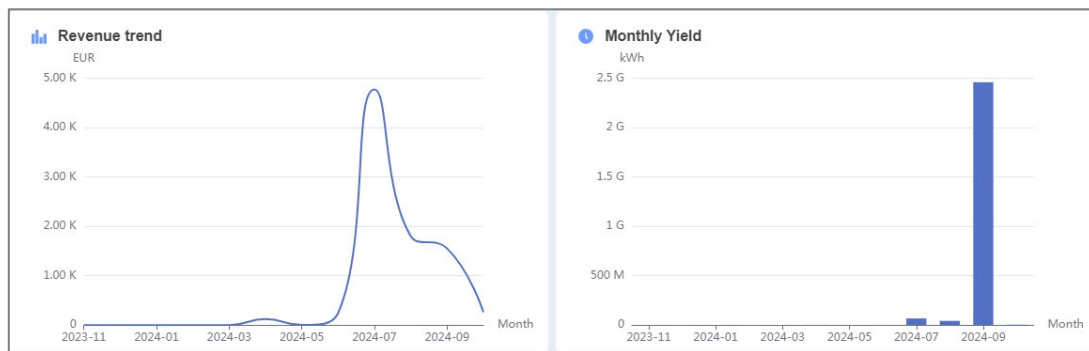


Figure 4-6 Revenue and Monthly Yield Trends

## 4.6 Green Efficiency

This section quantifies energy conservation and emission reductions. For every 1 kWh of electricity saved:

- Coal: A certain amount of standard coal is conserved.
- CO<sub>2</sub>: A corresponding reduction in carbon dioxide emissions is achieved.
- Trees: An annual decrease in carbon dioxide emissions is equivalent to the environmental benefit of planting a number of trees.

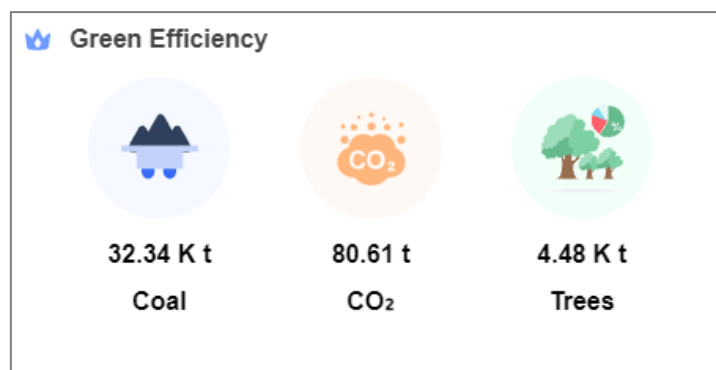


Figure 4-7 Green Efficiency

## 4.7 Yield Ranking

This section ranks sites based on their cumulative yield.

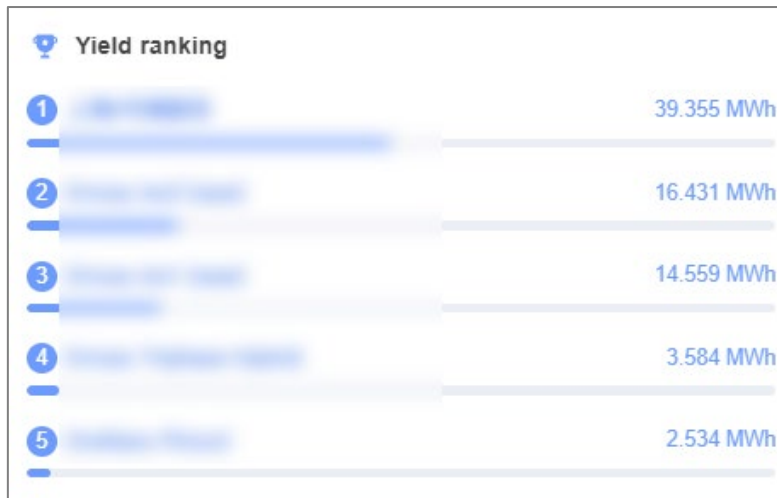


Figure 4-8 Yield Ranking

## 5 Account

The **Account -> Company** page allows you to manage companies and their users. On this page, you can add a company, manage users, or view company details.

The company list includes the company entered by the distributor or installer during account registration, see Distributor and Installer Account Registration for details.

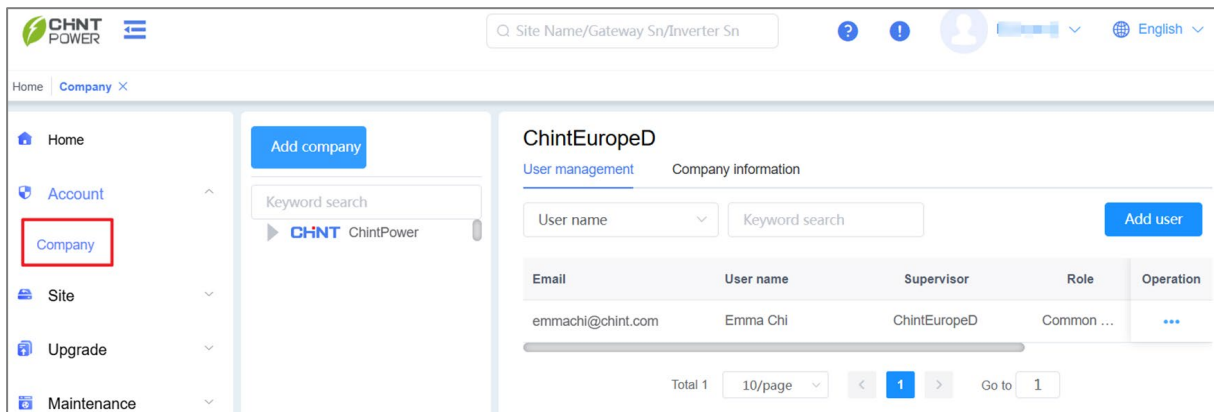


Figure 5-1 Account->Company

### 5.1 Manage Company

#### 5.1.1 Add a Company

1. Click **Add Company** to open the add company page.

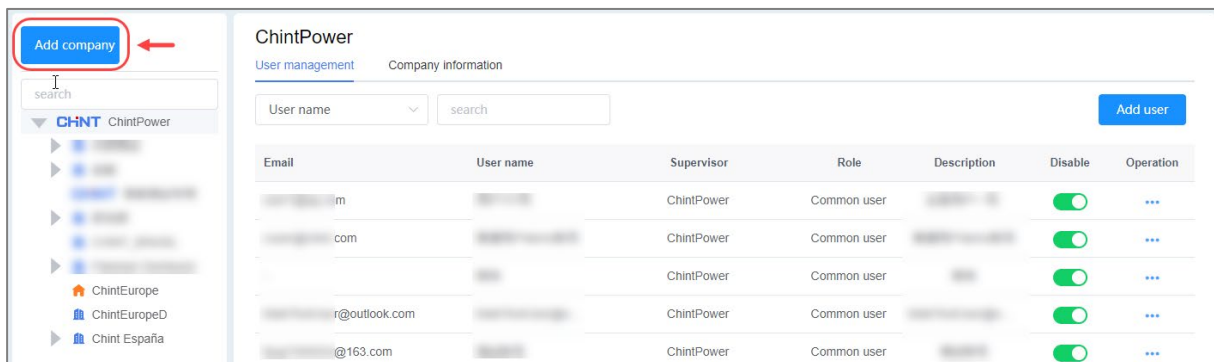
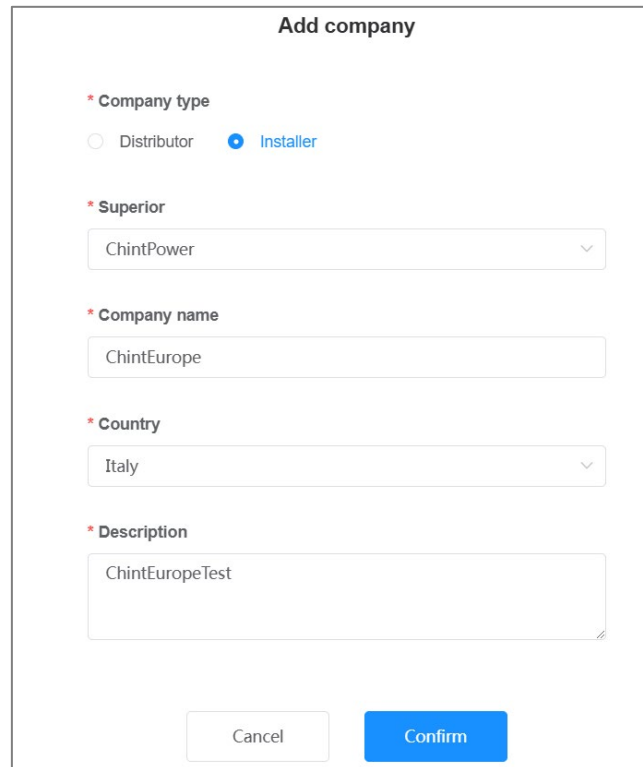


Figure 5-2 Add Company

2. Enter the following details, then, click **Confirm** to add the company:

- Company type
- Superior (if applicable)
- Company name
- Country
- Company description (optional)



**Add company**

\* Company type  
☐ Distributor ☒ Installer

\* Superior  
ChintPower

\* Company name  
ChintEurope

\* Country  
Italy

\* Description  
ChintEuropeTest

Cancel Confirm

Figure 5-3 Fill in New Company Information

- The new company appears in the company list.

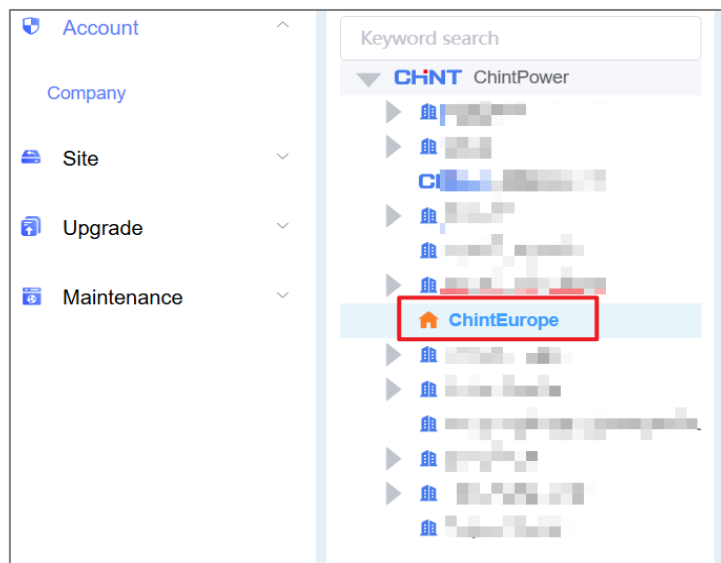


Figure 5-4 Add new company successfully

### 5.1.2 Edit a Company

- Click the company name in the list.
- Select **Company Information** to view detailed information.
- Update any of the following:
  - Company name

- Region
- Description
- Address
- Logo

4. Click **Save** to apply the changes.

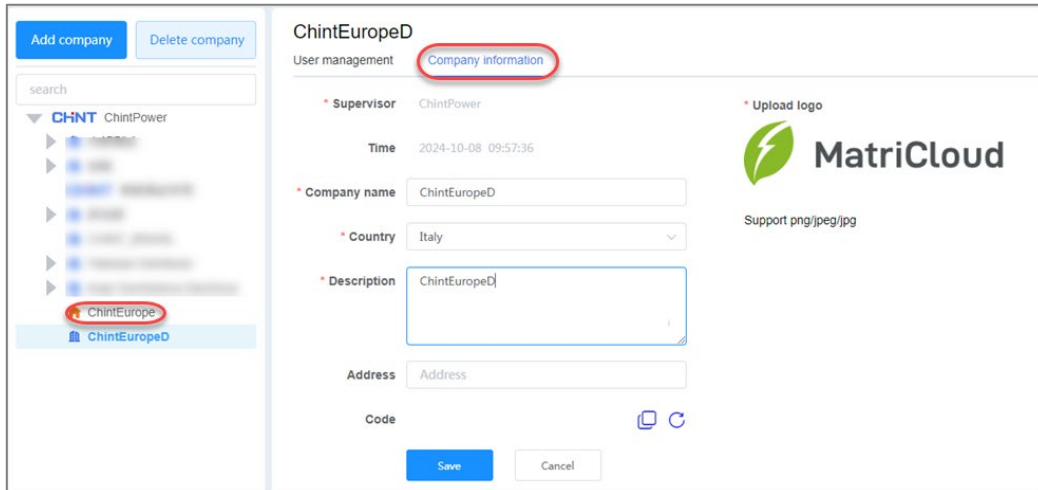


Figure 5-5 Update Company Information

### 5.1.3 Delete a Company (Administrators Only)



#### NOTE!

Only administrators can delete a company.

Follow these steps to remove a company no longer needed:

1. Select the company from the list.
2. Click **Delete Company** to delete it.

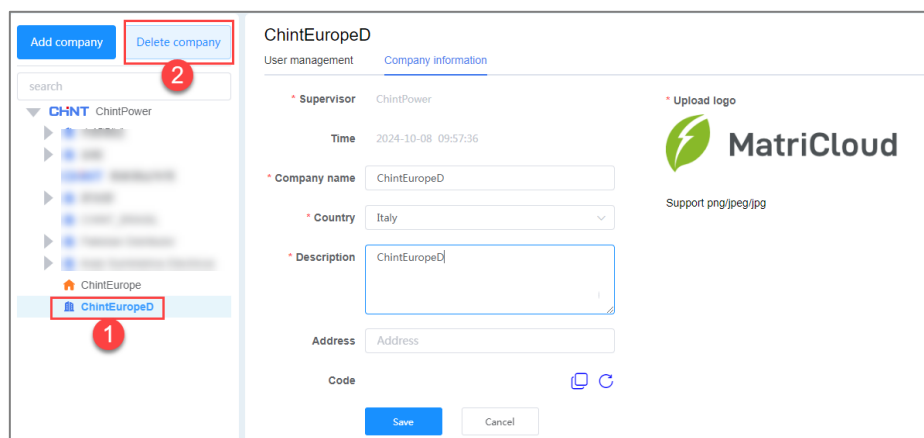


Figure 5-6 Delete Company Option

## 5.2 Manage User

### 5.2.1 Add a New User Account

1. Click the company name from the list.
2. Select **User management**.
3. Click **Add User**.

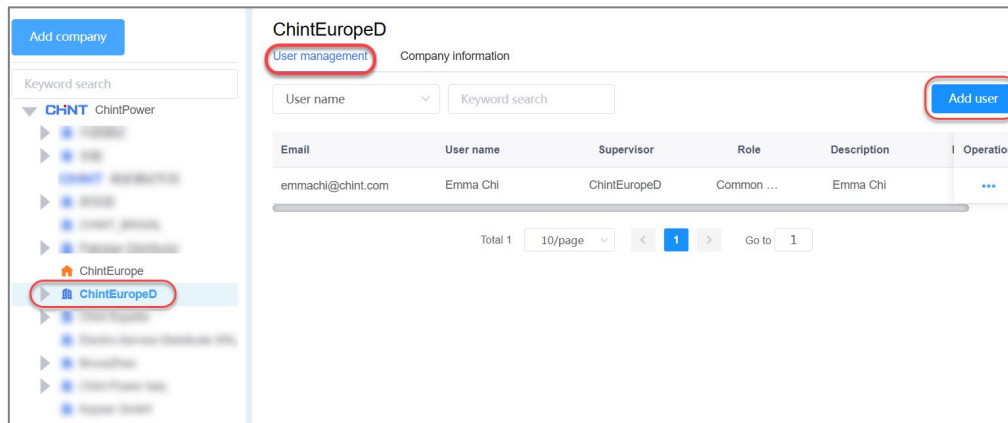


Figure 5-7 Add new user

4. Enter the following basic information, then click **Next**.
  - Username
  - Country
  - Email
  - Supervisor (if applicable)
  - Description (optional)
  - Set password: automatically assign by system or custom by yourself. If select automatically, a temporary password is sent to the email provided.

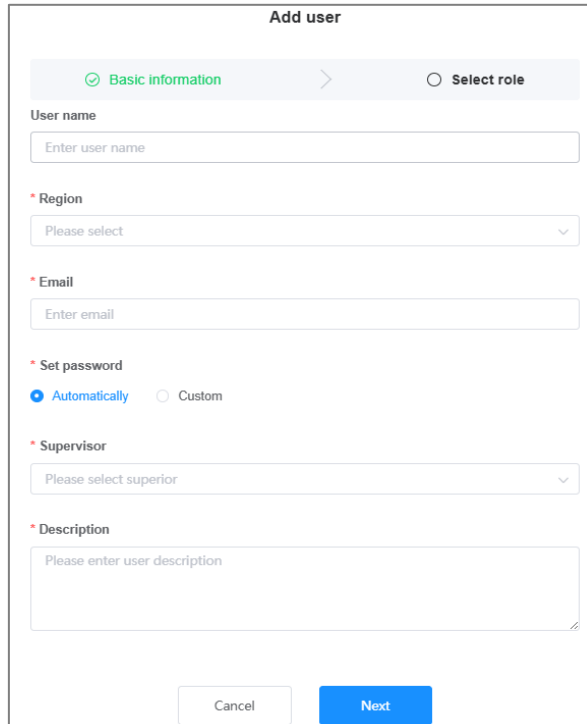


Figure 5-8 Add new user

5. Assign a role to the user (e.g., Operations Engineer for O&M permissions, Common User for owner permissions), then click **Confirm**. For details on roles and permissions, see [Account, Role, and Permission Overview](#).

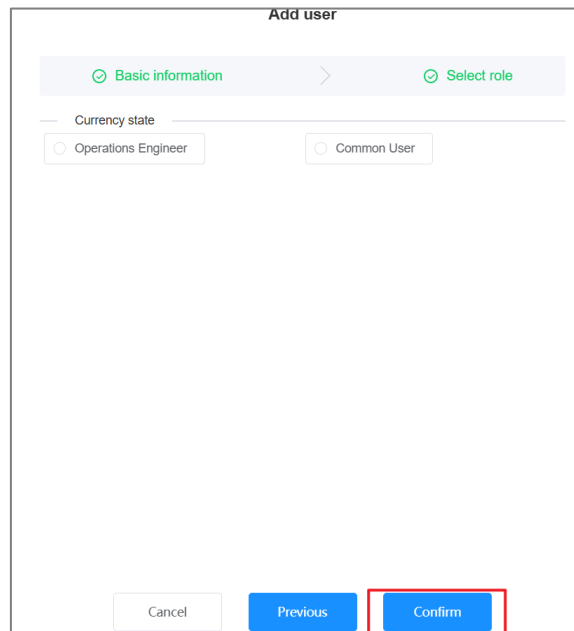


Figure 5-9 Assign role to user

6. The user can log in to MatriCloud using this email and password.


**NOTE!**

You can add unlimited users, but only administrators can modify roles. User permissions cannot be viewed directly in the interface

## 5.2.2 Edit User Information and Role

1. Click the company name.
2. Select the **User Management** tab.
3. In the Operation column, click the ... icon next to the user.
4. Click **Edit**.

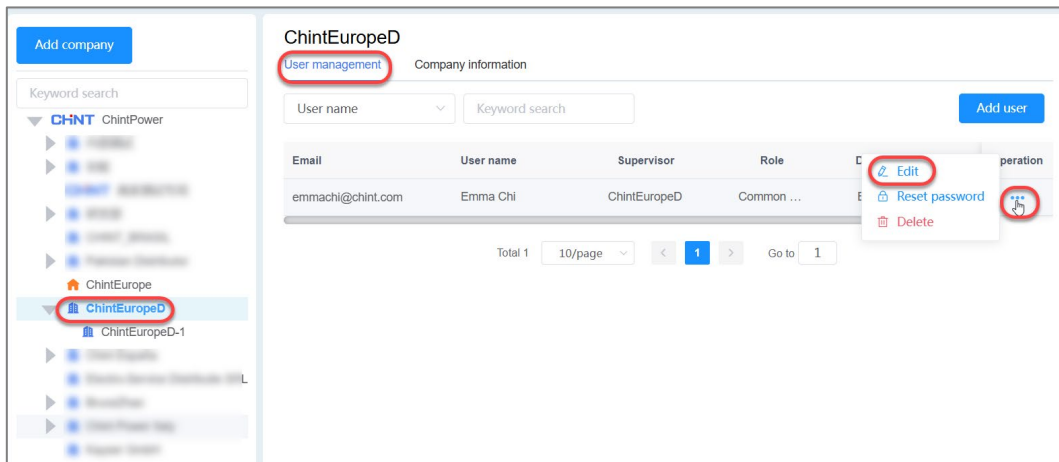


Figure 5-10 Edit Use Option

5. Update the user details. Then, click **Save** to apply the changes:
  - Select **Basic Information** to edit user details.
  - Select **Select Role** to reassign a role.

## 5.2.3 Reset User Password

If you are an administrator or operations engineer, you can reset passwords for other users.

1. Click the company name.
2. Select the **User Management** tab.
3. In the Operation column, click the ... icon next to the user.
4. Click **Reset Password**.



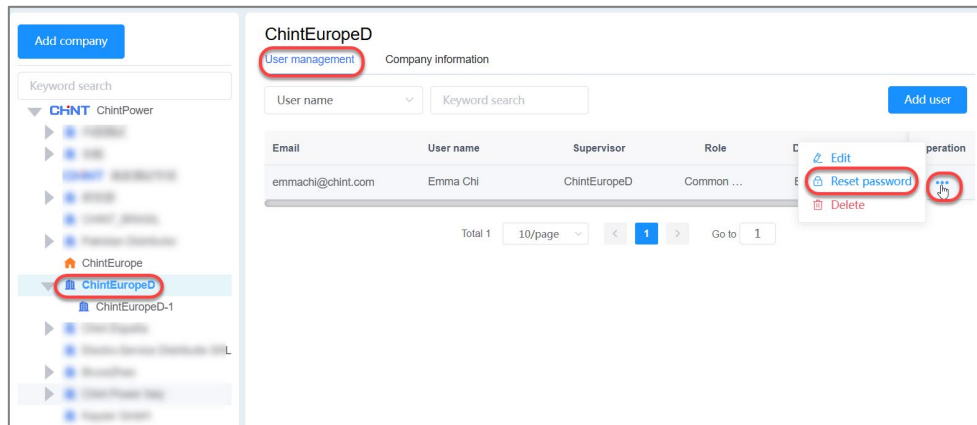


Figure 5-11 Reset Password for Users

5. Click **Confirm**. A new password is sent to the user's email.

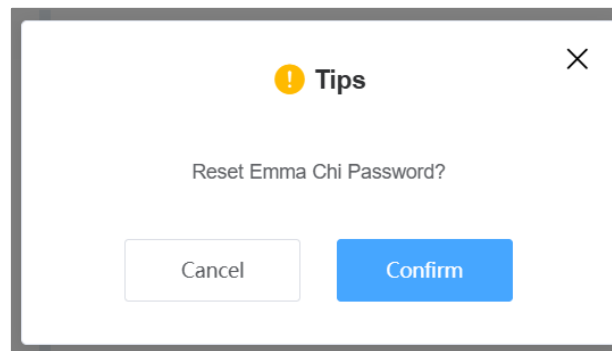


Figure 5-12 Password Reset Confirmation

## 6 Site

The **Site** page allows you to manage site details and operations. On this page, you can view information about all sites, including site details, device counts, energy yield, and revenue. Click any site name to access site-specific information, device details, fault records, and to operate site devices.

Additionally, you can configure site parameters using the function buttons in the **Site List** area.

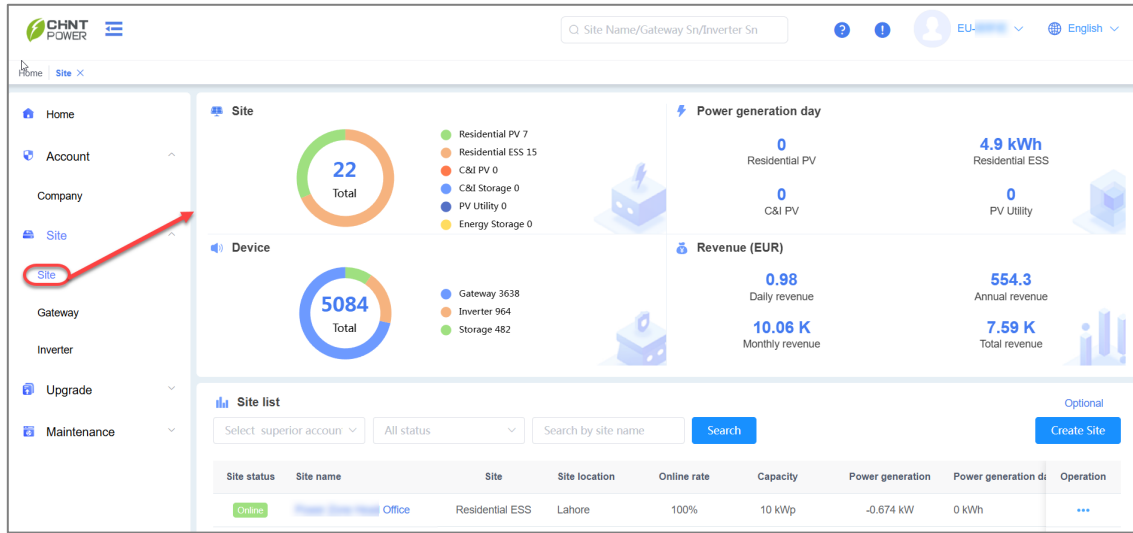


Figure 6-1 Site Page Overview

### 6.1 Manage Site

#### 6.1.1 Search for Site

In the **Site List** area, use the search fields on the left side of the **Search** button to locate an existing site. Enter details in the following fields:

- Select Superior Account
- All Status
- Search by site name
- Search user

Site list

Select superior account

All status

Search by site name

Search user

Search

Create Site

Site status	Site name	Site Type	Region	Online rate	Capacity	Power generation	Power generation day	Af	Operation
Offline	<div><div></div><div></div></div>	Residential ESS	<div><div></div><div></div></div>	0%	6 kWp	0 kW	0 kWh	-	...
Offline	<div><div></div><div></div></div>	Residential ESS	<div><div></div><div></div></div>	0%	6 kWp	0 kW	0 kWh	-	...
Online	<div><div></div><div></div></div>	Residential ESS	<div><div></div><div></div></div>	100%	10 kWp	0.39 kW	0.5 kWh	K2	...

Figure 6-2 Site Search Fields

Follow these steps to customize the displayed columns:

1. Click **Optional** in the upper-right corner.
2. Uncheck the boxes for columns you want to hide, then click **Confirm**. The unchecked columns will no longer appear.

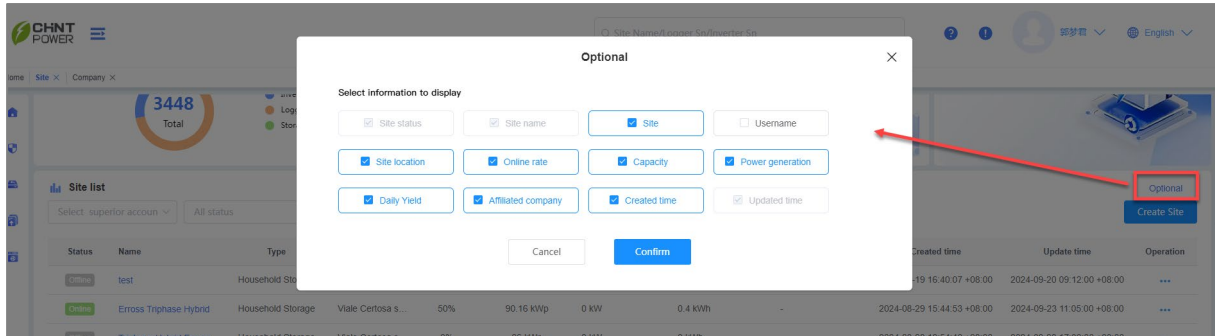


Figure 6-3 Column Customization

## 6.1.2 Create a Site

Follow these steps to create a new site:

1. Click the **Create Site** button to open the site creation dialog box.

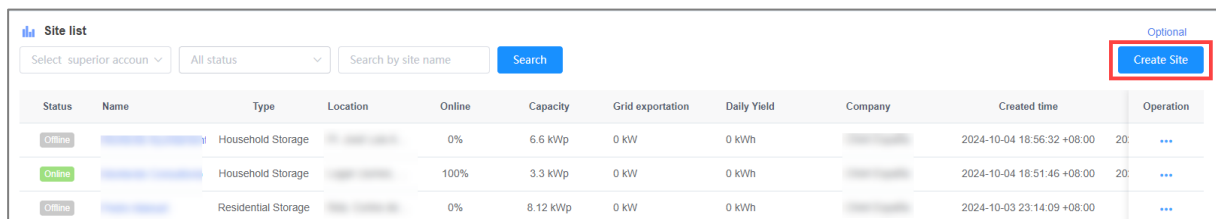


Figure 6-4 Column Customization

2. (Optional) Add gateway information. You can skip this step if not applicable.



Figure 6-5 Add gateway

3. Enter the site's basic information using the items listed below.

### Create Site

① Gateway Information
② Site Info
③ Account information

\* Site name

\* Address

\* Region

\* Timezone

\* Site

\* On-Grid

\* Currency unit

\* Temperature unit

\* Capacity(kwp)

\* Tariff()/kWh

Associated account  
☒ Create a new account  
 ☐ Select an existing account  
☐ Temporarily not associated

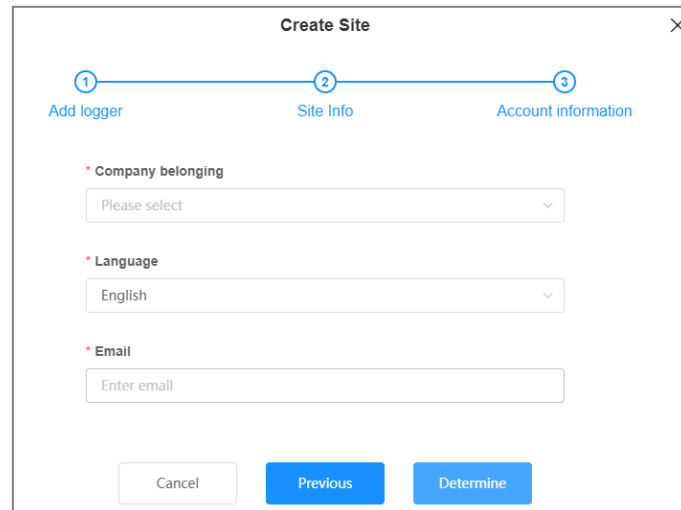
Figure 6-6 Fill in New Site Information

Items	Description
Site Name	Enter the site's name. To modify it later, use the Site Details page.
Address	Enter the site's physical address based on its actual location.
Region	Specify the region where the site is located.
Time Zone	Automatically set based on the selected region.
Site Type	Select the site type based on its actual characteristics.
On-Grid	Indicate the site's grid connection status based on its actual setup.
Currency Unit	Automatically set based on the selected region.
Temperature Unit	Automatically set based on the selected region.
Capacity	Enter the site's capacity based on its actual specifications.
Tariff (/)kWh	Automatically set based on the selected region. You can also customize
Associated Account	Choose to create a new account, link an existing one, or leave it unassociated.

Figure 6-7 Site Information Description

4. Associate the site with an account. The options in this step depend on your selection:

- **Option 1: Create a New Account:** If you chose Create a new account in Step 3, enter the account details here.



**Create Site**

1 Add logger      2 Site Info      3 Account information

\* Company belonging  
Please select

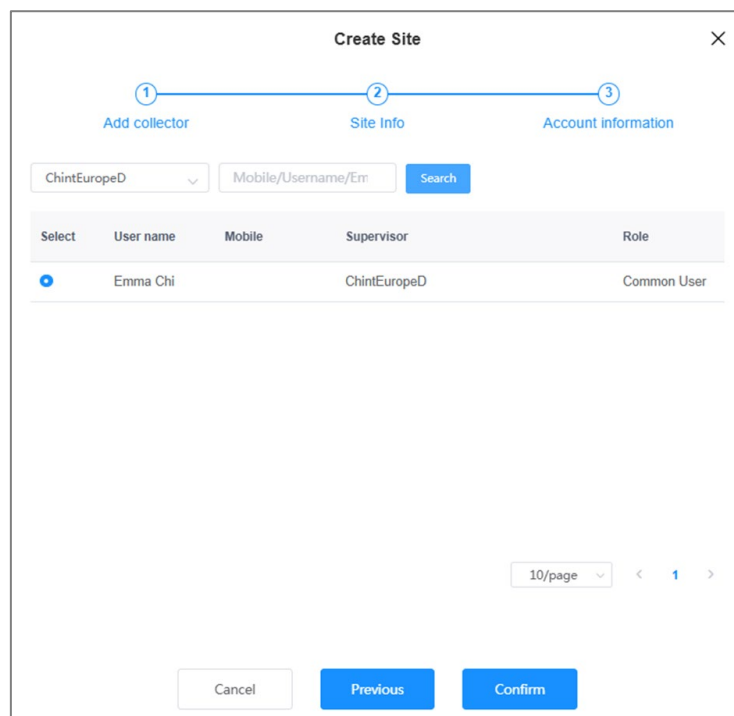
\* Language  
English

\* Email  
Enter email

Cancel Previous Determine

Figure 6-8 Create a New Account for New Site

- **Option 2: Select an Existing Account:** If you chose Select an existing account in Step 3, select a user to assign the site to. (Note: You can also assign sites to users later via the Site List; see Distribute/Rename/Delete a Site.)



**Create Site**

1 Add collector      2 Site Info      3 Account information

ChintEuropeD Mobile/Username/Em Search

Select	User name	Mobile	Supervisor	Role
<input checked="" type="radio"/>	Emma Chi		ChintEuropeD	Common User

10/page < 1 >

Cancel Previous Confirm

Figure 6-9 Select an Existing Account for New Site

- **Option 3: Temporarily Not Associated**  
If you chose Temporarily not associated in Step 3, the new site will appear in the Site List without an associated account.

### 6.1.3 Distribute/Rename/Delete a Site

In the **Site List** area, manage a site by following these steps:

1. Locate the site in the list.
2. In the Operation column, click the ... icon next to the site.
3. Choose one of the following options:

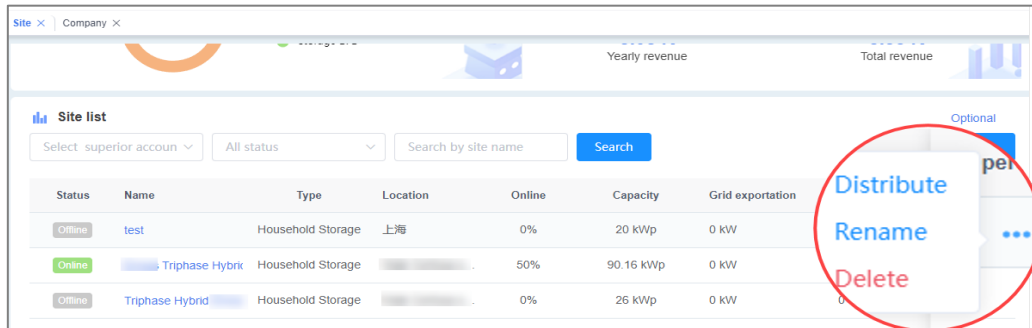


Figure 6-10 Site Management Options

- **Distribute:** Assign the site to a user.
  1. Click **Distribute**.
  2. Search the user by select a company or input the username/email.
  3. Click Search, the users as listed.
  4. Check the user you want to assign the site.
  5. Click **Confirm** to complete the assignment.

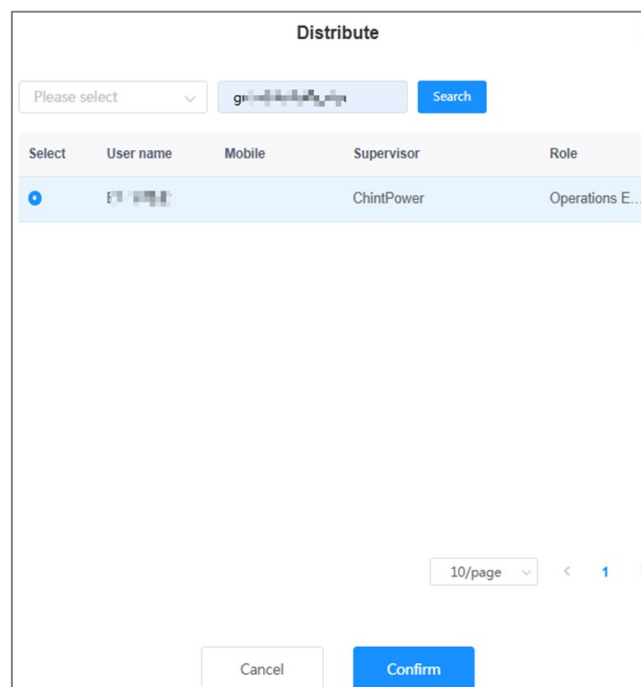


Figure 6-11 Distribute a site to user

- **Rename:** Update the site's name. (Follow the prompts to enter a new name.)
- **Delete:** Remove the site from the list. (Note: This action may be permanent; confirm before proceeding.)

## 6.2 Single Site Details

Click a site name in the “**Site List**” to open the Site Overview page.

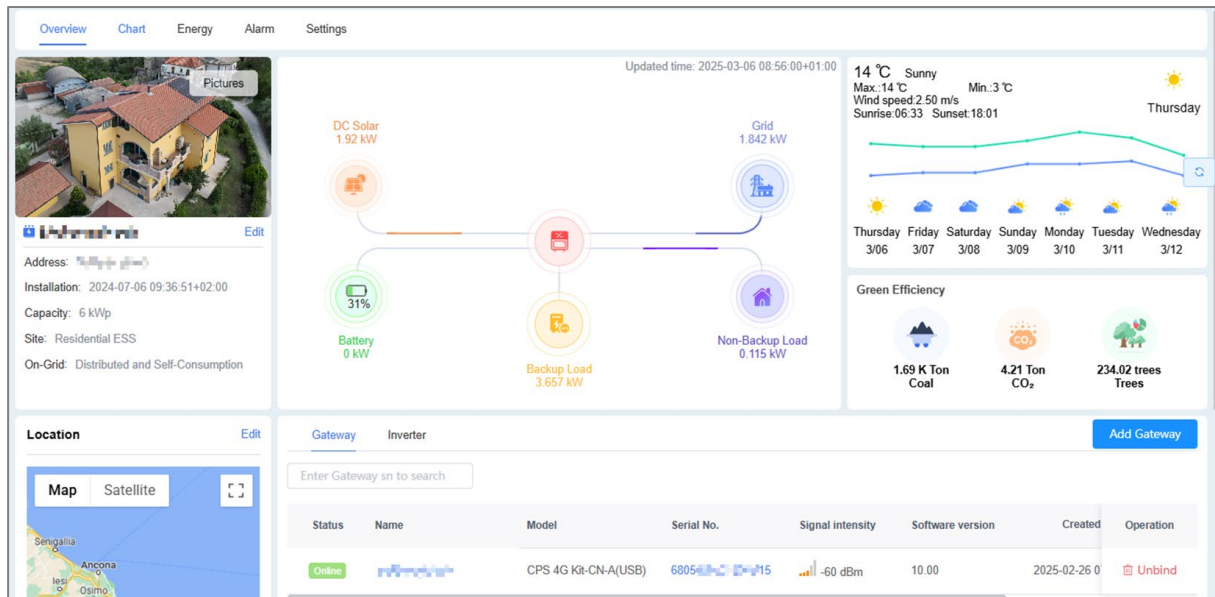


Figure 6-12 Site Details Overview Page

### 6.2.1 Edit Site Information and Location

In the Basic Information area, click the site picture or the **Edit** button to update the site's picture and details. After entering the site's specific address, the geographical location (site coordinates) is mapped via satellite view, and meteorological data for the past 7 days is displayed based on these coordinates.

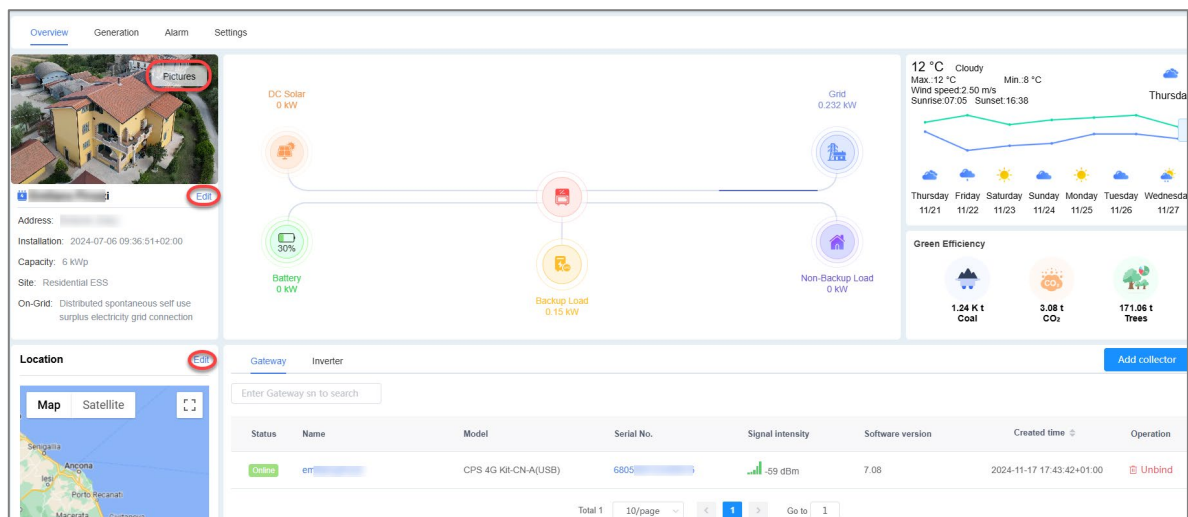


Figure 6-13 Edit Site Information

### 6.2.2 Manage Gateways and Inverters of the Site

The gateway and inverter list displays all gateways and inverters for the current site. Click an item for details.

For Gateway details page introduction, please see Gateway. For Inverter details page introduction, please see Inverter.

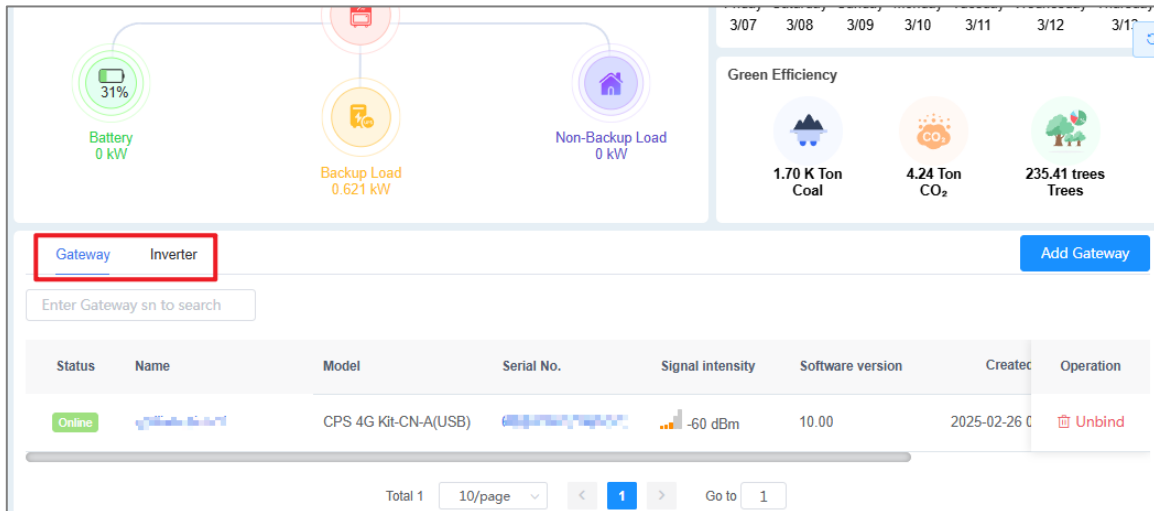


Figure 6-14 gateway and inverter list

#### 6.2.2.1 Add a Gateway for the Site

1. Click **Add Gateway** in the site details page.
2. Enter the gateway's serial number (S/N).
3. Click **Confirm**.
4. Successfully added gateway appear in the Gateway List, along with their associated inverters in the Inverter List.

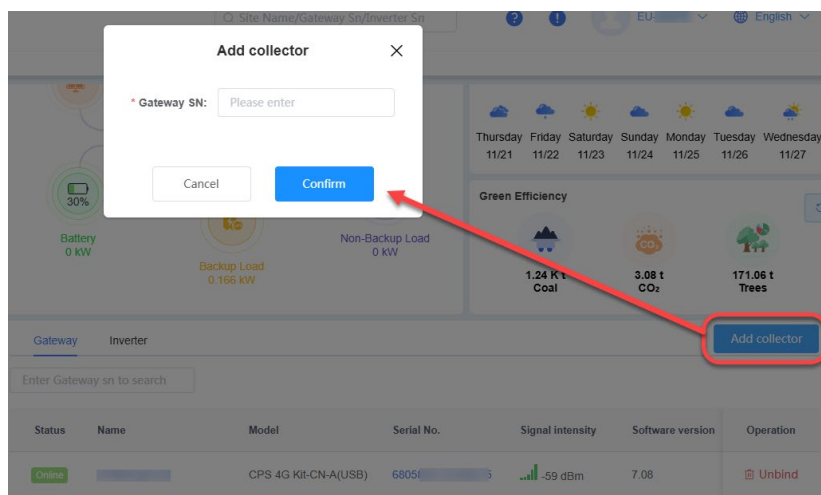
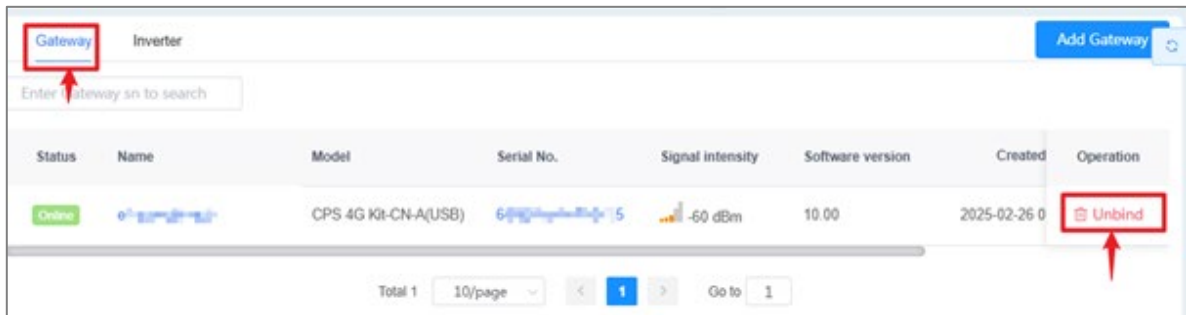


Figure 6-15 Add Gateway

#### 6.2.2.2 Unbind a Gateway

1. Click the **Gateway** tab.
2. In the Operation column, click **Unbind** next to the gateway to remove it.





### Figure 6-16 Unbind Gateway

### 6.2.2.3 Delete an Inverter

1. Click the **Inverter** tab.
2. In the Operation column, click **Delete** next to the inverter to remove it.  
**Note:** This action removes the inverter from both the gateway's associated inverters and the Inverter List.

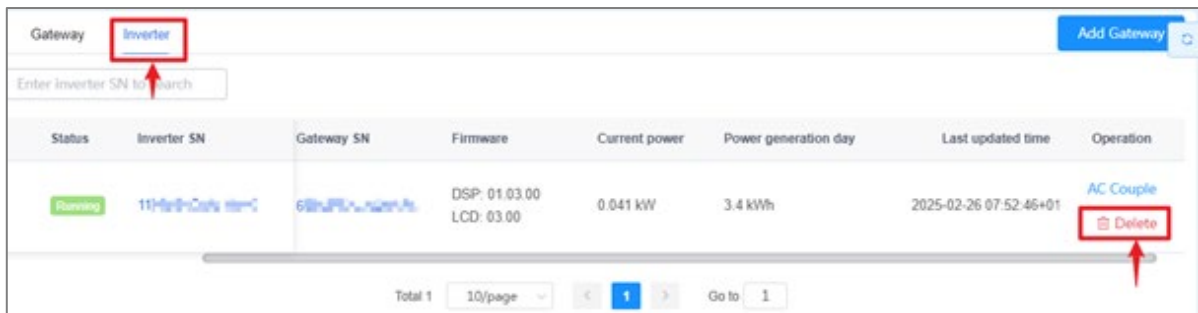


Figure 6-17 Delete Inverter Option

### 6.2.3 Chart

The **Chart** menu visually compare data within the power station.

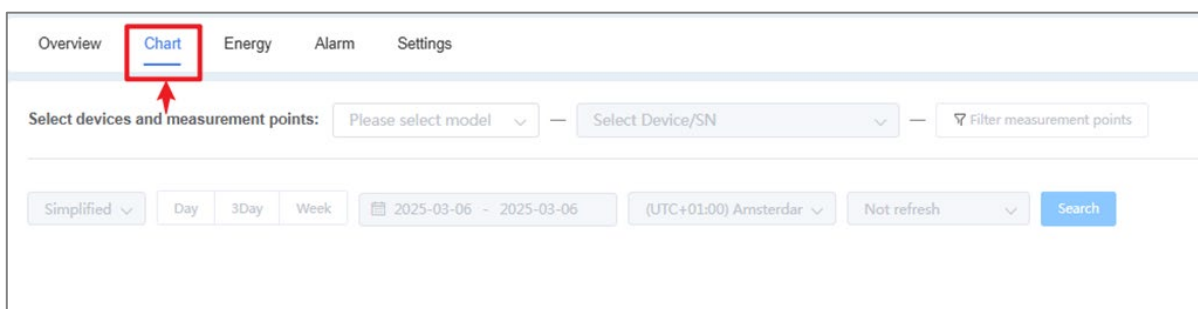


Figure 6-18 Chart of Single Site

1. Click **Chart** menu.
2. Select the model, serial number, and measurement points in order. The data chart will automatically appear on the page. Hover the mouse over the chart will display detailed data for the measurement points.

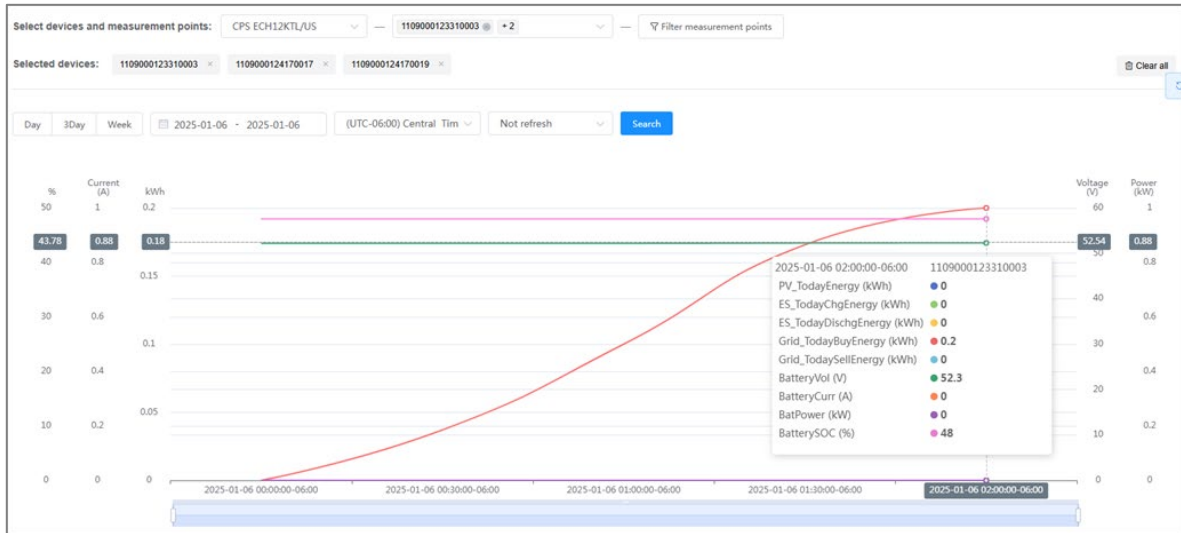


Figure 6-19 Chart and Measurement Points of Single Site

## 6.2.4 Energy

Under the **Site** menu, click **Select Device** and choose a single device to view its generation data.

Select a time range to display an energy generation bar graph across various time periods (year, month, or day). Click **Download** to save the generation data to your computer.

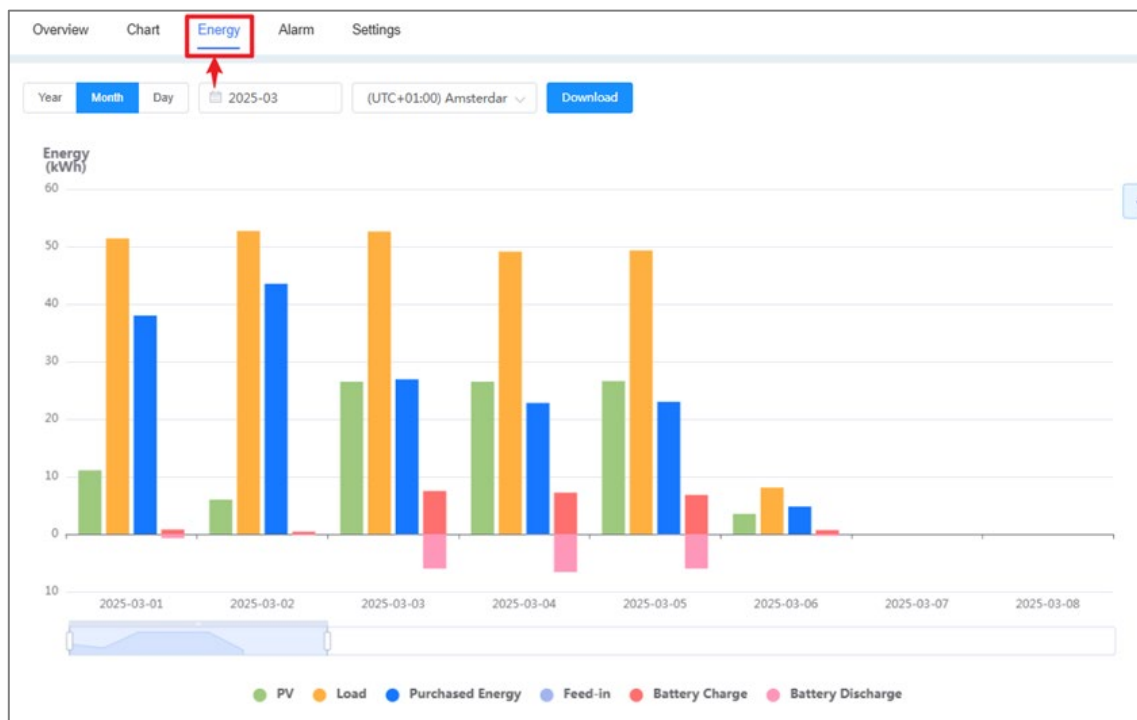


Figure 6-20 Energy of Single Site

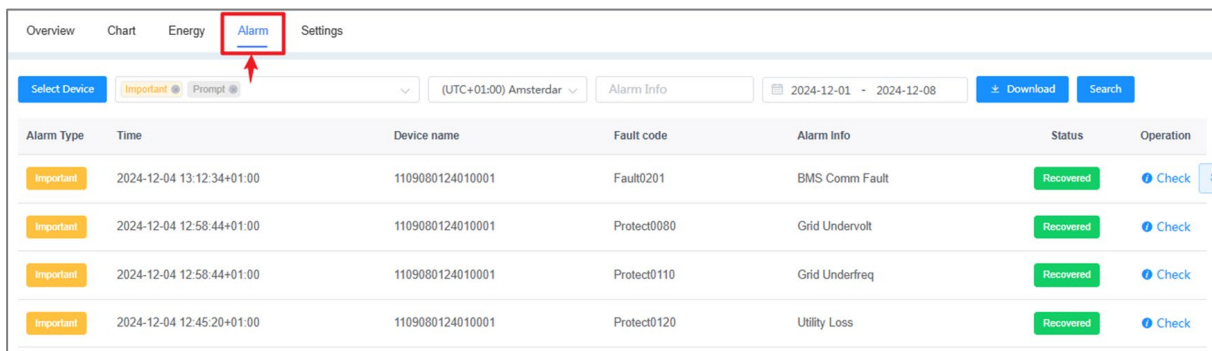
## 6.2.5 Alarm

When a device experiences an abnormality or fault, key details—such as occurrence time and description—are recorded in real time and listed in the Alarms section.

To view alarms:

When a device experiences an abnormality or fault, key details—such as occurrence time and description—are recorded in real time and listed in the Alarms section.

1. Select the “Alarm”.
2. Filter alarms according to any of the following criteria:
  - Click **Select Device** to choose a device.
  - Click **Alarm Type** to filter by alarm level.(see the table below for description of alarm type.)
  - Time zone
  - Alarm info
  - Time Range
3. Click **Download** to save the filtered alarms to your computer.



Alarm Type	Time	Device name	Fault code	Alarm Info	Status	Operation
Important	2024-12-04 13:12:34+01:00	1109080124010001	Fault0201	BMS Comm Fault	Recovered	Check
Important	2024-12-04 12:58:44+01:00	1109080124010001	Protect0080	Grid Undervolt	Recovered	Check
Important	2024-12-04 12:58:44+01:00	1109080124010001	Protect0110	Grid Underfreq	Recovered	Check
Important	2024-12-04 12:45:20+01:00	1109080124010001	Protect0120	Utility Loss	Recovered	Check

Figure 6-21 Alarm List of Single Site

Alarm Type	Description
Urgent	The device has stopped running; immediate intervention is required.
Important	Device efficiency is affected; intervention is required.
Common	No impact on device operation; intervention is optional.
Prompt	Informational messages are displayed.

Table 6-1 Alarm Type

## 6.2.6 Settings

Remotely configure inverter operating parameters and status. This feature supports remote parameter control for devices and is available only to Operations & Maintenance (O&M) roles.

To configure register parameters:

1. Click **Settings**.
2. Select an inverter from the left panel.
3. Search the paramtes by Quick Search or Group Search

- Quick Search (default): input the keyword to search.

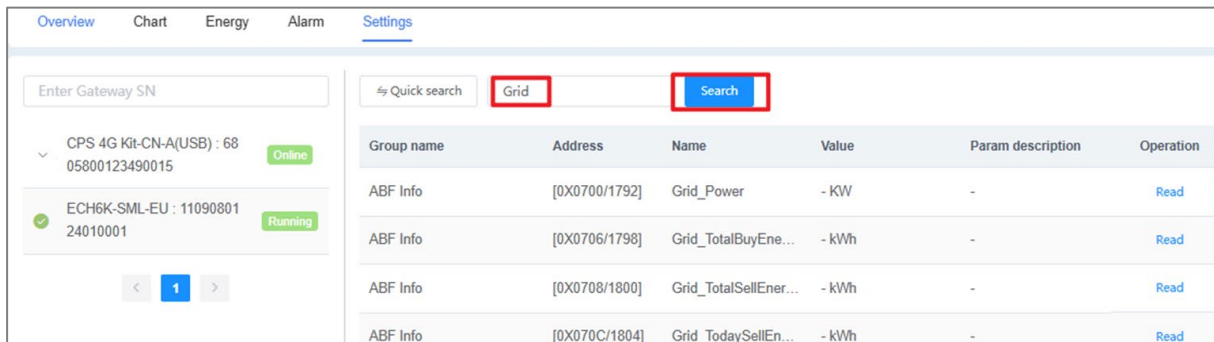


Figure 6-22 Quick Serach of Register Parameters

- Group Search: Click Quick Search button to switch to Group search page. Filter the parameters by group or keyword.

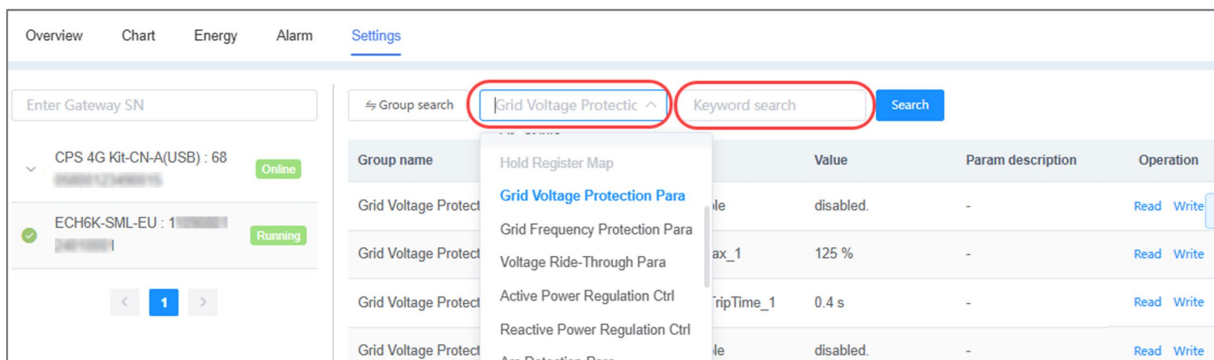


Figure 6-23 Group Search of Register Parametrns

#### 4. In the Register Group dropdown, select a register group:

- To view a parameter current value, click **Read** in the Operation column.

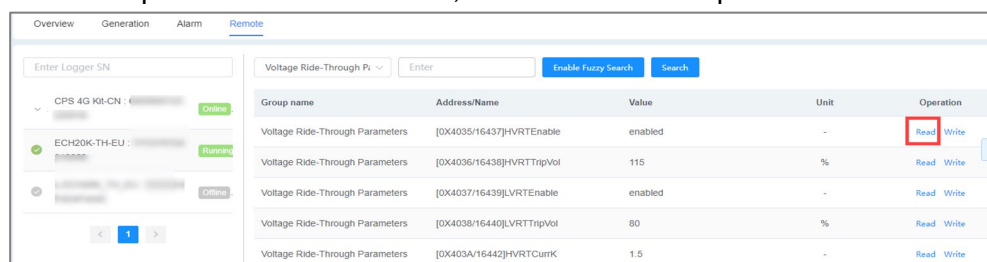


Figure 6-24 Read a Parameter

- To modify a parameter value, click “Write” in the Operation column, update the value in the pop-up window (within the specified range), and save the changes.

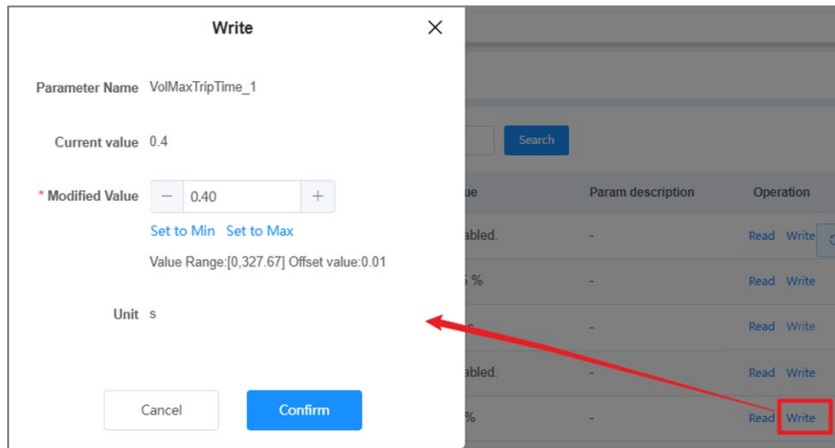


Figure 6-25 Write a Parameter

## 6.2.7 Commissioning

The commissioning function is only available for North America area.

The commissioning menu is used to generate the commission report:

- Click **Commissioning**.
- Click **Create**.

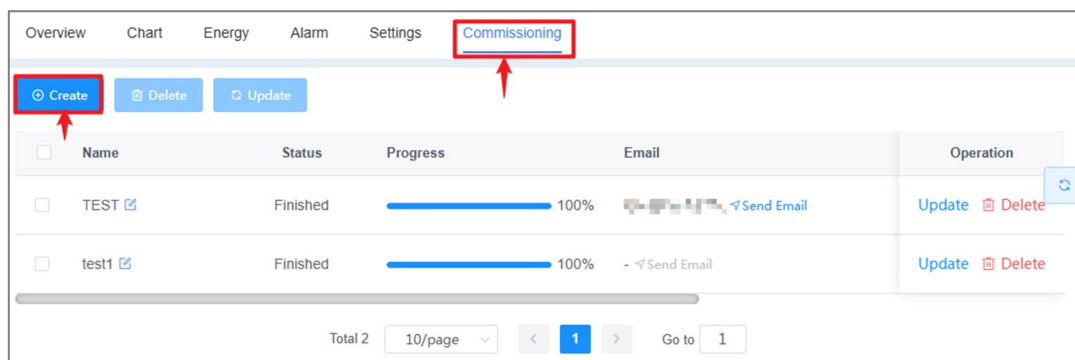


Figure 6-26 Create Commissioning Report

- Input report name, email (optional), select the gateway, then click **Confirm**.

**Report Name**

Commission Report

---

**Email**

Please input email address

---

<input checked="" type="checkbox"/>	Gateway SN : Inverter SN	Model	Status
<input checked="" type="checkbox"/>	[blurred]	CPS [blurred]	Running
<input checked="" type="checkbox"/>	[blurred]	CPS [blurred]	Offline
<input checked="" type="checkbox"/>	[blurred]	-	Offline
<input checked="" type="checkbox"/>	[blurred]	CPS [blurred]	Offline
<input checked="" type="checkbox"/>	[blurred]	CPS [blurred]	Offline

Total 5      10/page    < 1 >    Go to 1

Cancel
Confirm

Figure 6-27 Fill in Commissioning Report Information

A commission generation task is created. You can update or delete the report you created.

OverviewChartEnergyAlarmSettingsCommissioning

CreateDeleteUpdate

<input type="checkbox"/>	Name	Status	Progress	Email	Created time	Operation
<input type="checkbox"/>	Commission Report <a href="#">🔗</a>	Reading	<div><div></div></div> 14%	- <a href="#">📧 Send Email</a>	2025-03-06 03:14:28-06:00	<a href="#">Update</a> <a href="#">🗑 Delete</a>
<input type="checkbox"/>	TEST <a href="#">🔗</a>	Finished	<div><div></div></div> 100%	<a href="#">👤</a> <a href="#">📧 Send Email</a>	2024-11-18 19:14:57-06:00	<a href="#">Update</a> <a href="#">🗑 Delete</a>
<input type="checkbox"/>	test1 <a href="#">🔗</a>	Finished	<div><div></div></div> 100%	- <a href="#">📧 Send Email</a>	2024-11-08 00:23:26-06:00	<a href="#">Update</a> <a href="#">🗑 Delete</a>

Figure 6-28 Commissioning Report List

### 6.3 Gateway

The **Gateway** page displays a dashboard with gateway status, type, and firmware version details. You can also view all gateways in a list.



Figure 6-29 Gateway Overview Page

## 6.3.1 Gateway List

### 6.3.1.1 Search for a Gateway

On the **Gateway** -> **Gateway List** page, filter gateways using the any of following fields:

- Model: Choose the gateway type (e.g., 4G, WiFi, ETH).
- Status: Select the status (e.g., Online, Offline, Faulty).
- Version: Enter the firmware version.
- Gateway SN: Enter the gateway's serial number.

Search to view matching gateway details, device information, and configuration options.

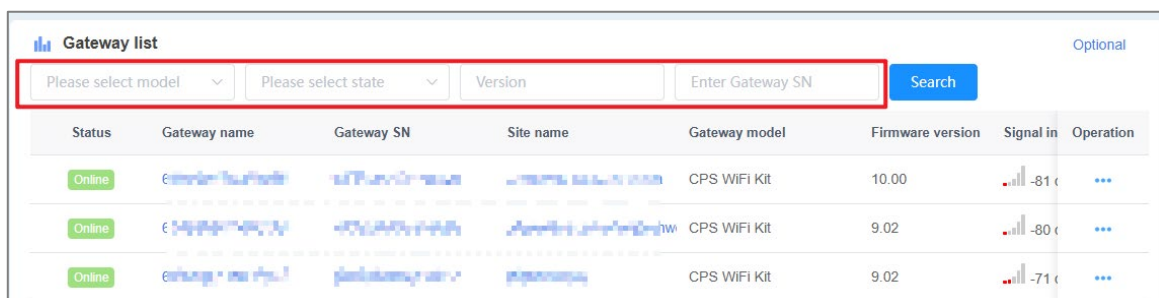


Figure 6-30 Search for Gateway

To customize displayed columns:

1. Click **optional** in the upper-right corner.
2. Uncheck the boxes for columns to hide, then click **Confirm**. Hidden columns will no longer appear.

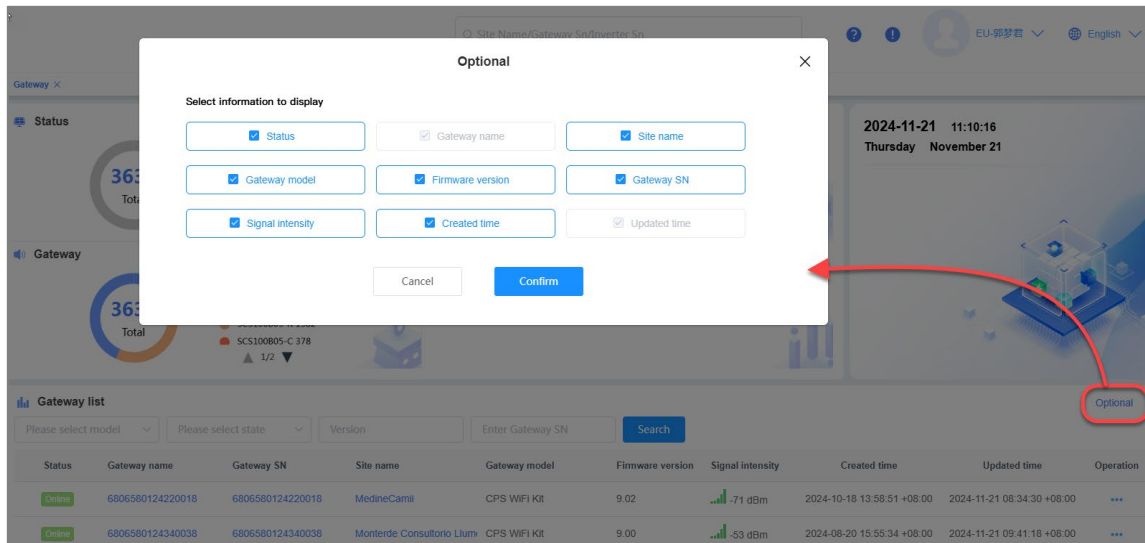


Figure 6-31 Gateway Fields Customize

### 6.3.1.2 Distribute/Rename a Gateway

In the **Gateway List** area:

1. Locate the gateway in the list.
2. In the Operation column, click the “...” icon next to the gateway.
3. Choose an option:

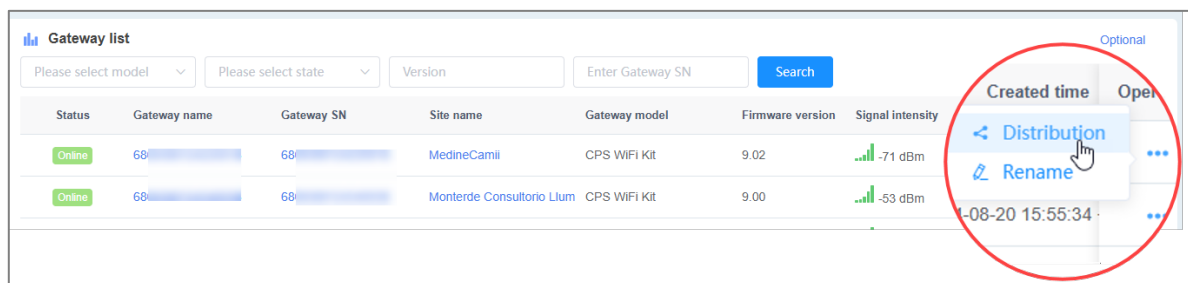


Figure 6-32 Gateway Management Options

#### Gateway Management Options:

- **Distribute:** Assign the gateway to a site.
  1. Click **Distribute**.



2. Select or search for the site to assign, then click **Confirm** to complete the assignment.

Site	Site name	Site location	Company belonging
<input checked="" type="radio"/>	Residential ESS	Texas Resi ESS S 12kW Test	1380 Presidential Dr Richardson, TX 75081
<input type="radio"/>	Residential ESS	12kw Resi ESS	5F No. 4 CPS America

Figure 6-33 Distribute a Gateway

- **Rename:** Update the gateway's name. (Follow the prompts to enter a new name.)

## 6.3.2 Gateway Details

### 6.3.2.1 Gateway Overview

Click a gateway name in the “**Gateway List**” to open the Gateway Overview page. This page shows the gateway's basic information and a list of associated devices.

To remove a device:

1. In the Devices List, locate the device.
2. In the Operation column, click **Delete** to remove it.

Communication Address	Model	Status	Serial No.	Name	Firmware	Created time	Operation
1	EC	Running	1		DSP: 01.02.00 LCD: 02.00	2025-01-09 14:13:48+02:00	Delete

Figure 6-34 Single Gateway Overview Page

### 6.3.2.2 Gateway Setting

Configure network card parameters, including model protocol, upload interval, and device address, as detailed below.

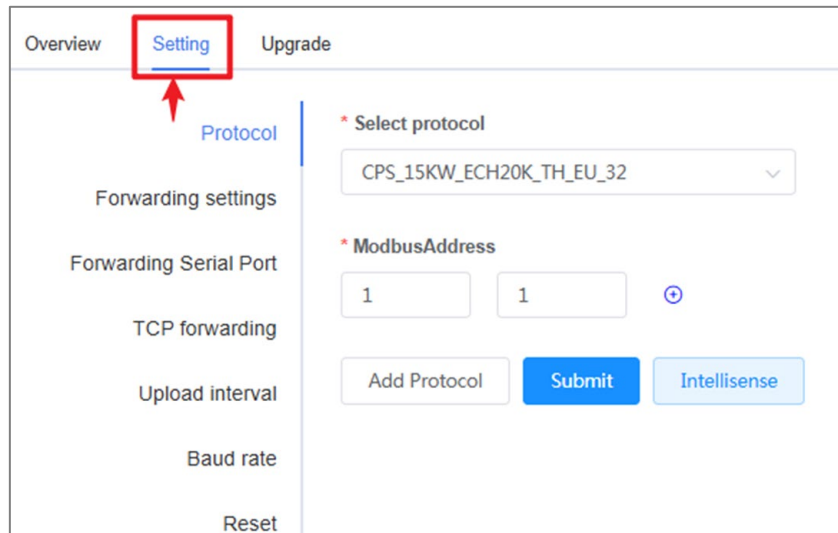


Figure 6-35 Gateway Settings

- **Protocol** Configure device data parsing rules.
  1. Click **Add Protocol** to add a protocol address and selection.
  2. Click **Submit Settings** to apply changes and restart the network card (10–20 seconds).
  3. Click **Intellisense** to automatically detect the device protocol.

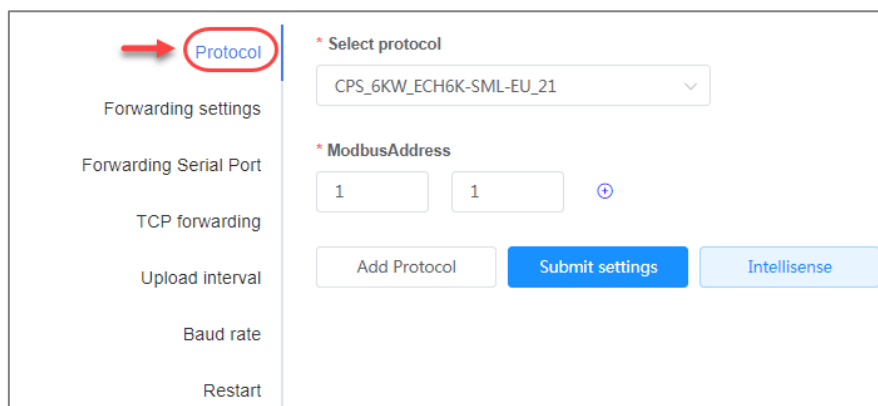


Figure 6-36 Gateway Protocol Setting

Parameter	Description
Select Protocol	Choose the parsing protocol for device data uploaded via the network card.
Modbus Address	Set the address used by the protocol for data parsing.

Table 6-2 Gateway Protocol Configuration Descripton

- **Forwarding Settings:** Select forwarding options from the dropdown.

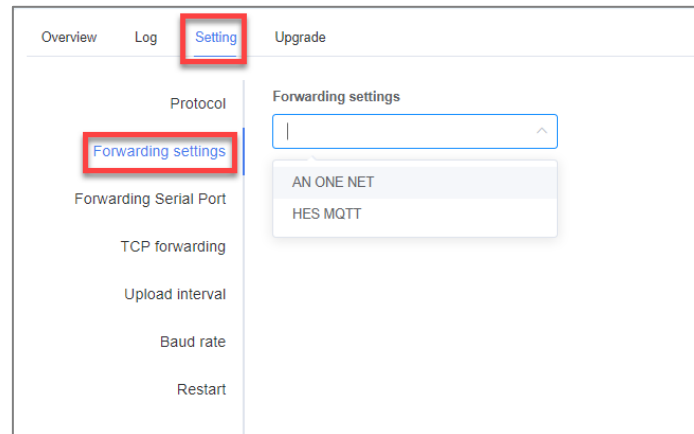
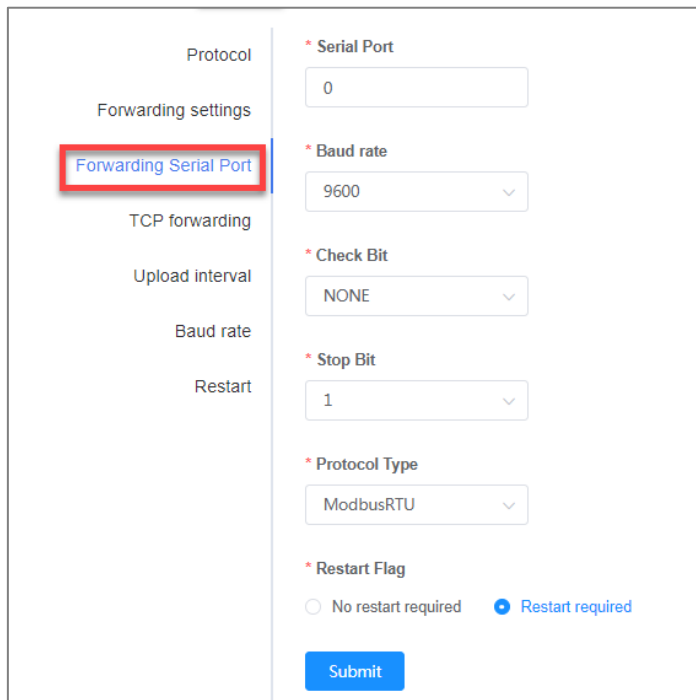


Figure 6-37 Forwarding Settings

- **Forwarding Serial Port**

1. Enter the communication port.
2. Select the baud rate, parity (check digit), protocol type, and other details as needed.
3. Click Submit to apply the settings.



The screenshot shows the 'Forwarding Serial Port' configuration page. The 'Forwarding Serial Port' menu item in the left sidebar is highlighted with a red box. The main content area contains the following fields:

- \* Serial Port: Input field with value '0'.
- \* Baud rate: Dropdown menu with value '9600'.
- \* Check Bit: Dropdown menu with value 'NONE'.
- \* Stop Bit: Dropdown menu with value '1'.
- \* Protocol Type: Dropdown menu with value 'ModbusRTU'.
- \* Restart Flag: Radio buttons for 'No restart required' and 'Restart required' (selected).
- Submit: Blue button at the bottom.

Figure 6-38 Forward Serial Port

- **TCP Forwarding** Configure the TCP forwarding port and protocol.

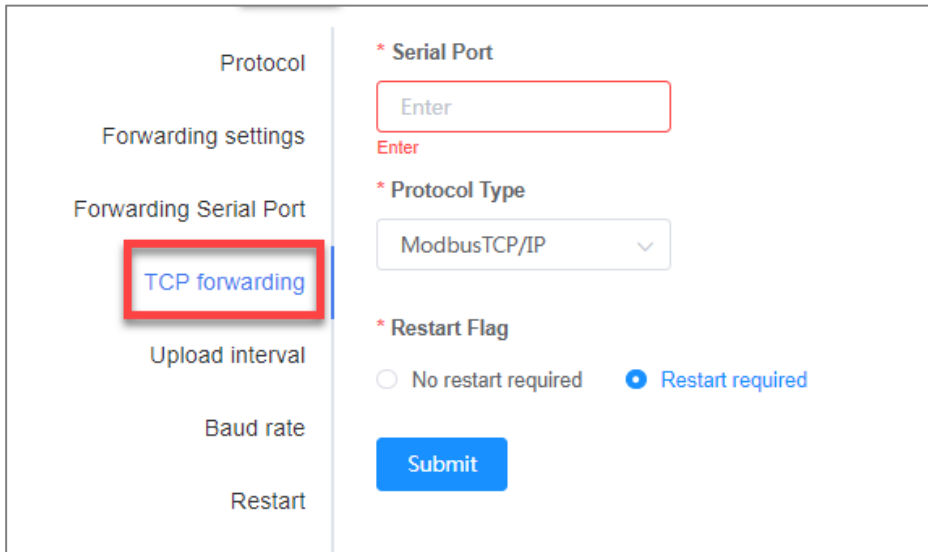


Figure 6-39 TCP Forwarding

- **Upload Interval** Set the device data upload frequency.
  1. Select the interval.
  2. Choose whether to restart safely (10–20 seconds).
  3. Click **Submit Settings** to apply the changes.

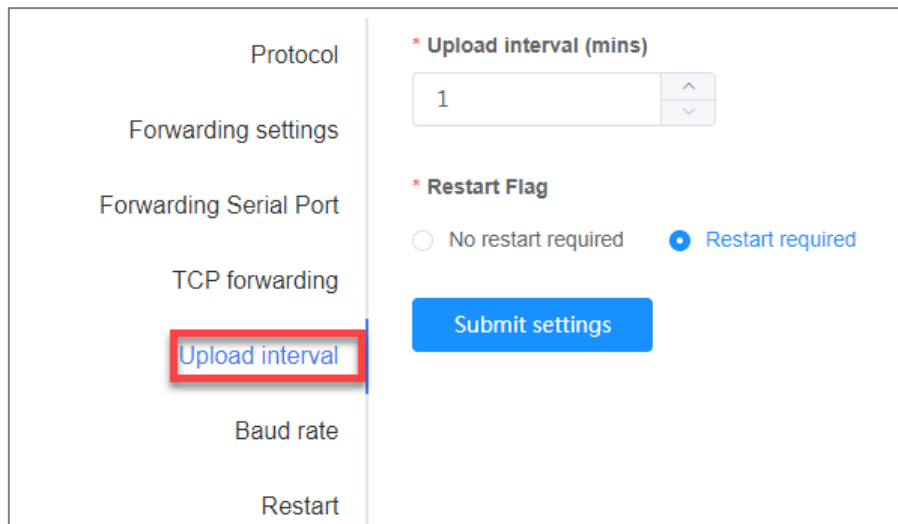
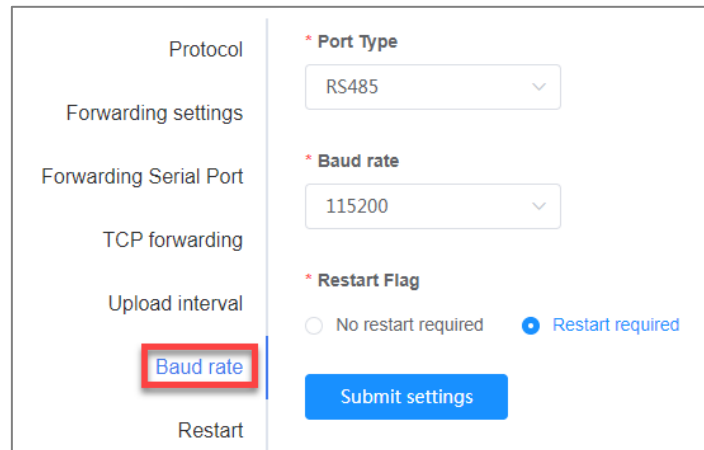


Figure 6-40 Upload Interval Settings

- **Baud Rate** Set the transmission speed of communication data; adjust to match the device's rate.
  1. Select or enter the baud rate and related options.
  2. Click **Submit** to confirm and apply the settings.

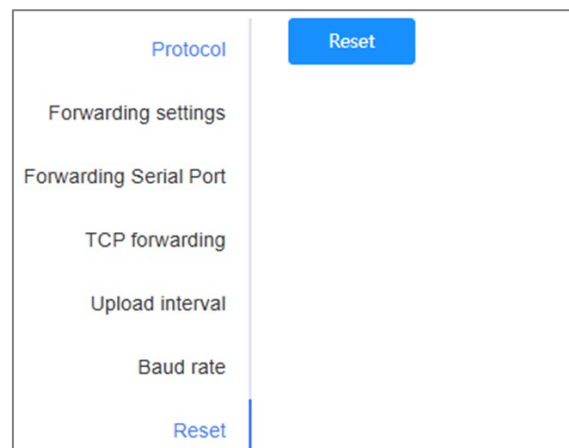


The screenshot shows a configuration window with a sidebar on the left and a main settings area on the right. The sidebar contains the following items: Protocol, Forwarding settings, Forwarding Serial Port, TCP forwarding, Upload interval, Baud rate (highlighted with a red box), and Restart. The main settings area contains:
 

- \* Port Type: A dropdown menu with 'RS485' selected.
- \* Baud rate: A dropdown menu with '115200' selected.
- \* Restart Flag: Two radio buttons, 'No restart required' and 'Restart required' (which is selected).
- A blue 'Submit settings' button at the bottom right.

Figure 6-41 Baud Rate

- **Reset:** Click **Reset** to reboot the gateway.



The screenshot shows the same configuration window as Figure 6-41, but with the 'Reset' button highlighted in blue at the top right. The sidebar on the left now has 'Reset' at the bottom, and the 'Baud rate' item is no longer highlighted.

Figure 6-42 Rest Gateway

### 6.3.2.3 Gateway Upgrade

To upgrade a gateway:

1. Click **“Upgrade”** to open the upgrade window.
2. Choose the firmware version and reservation option, then click **“Confirm”** to start the upgrade.
  - Firmware: The firmware version to apply to the network card.
  - Reservation: Select Yes to schedule the upgrade or No to upgrade immediately.
  - Time: Set the upgrade time if Yes is selected under Reservation.

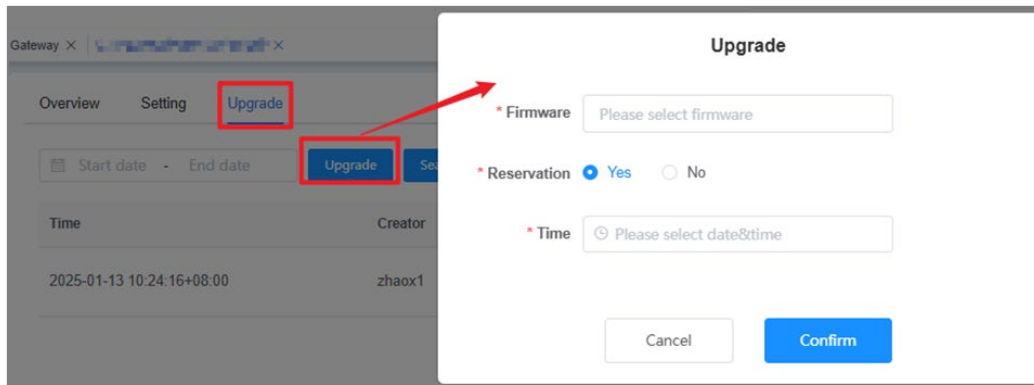
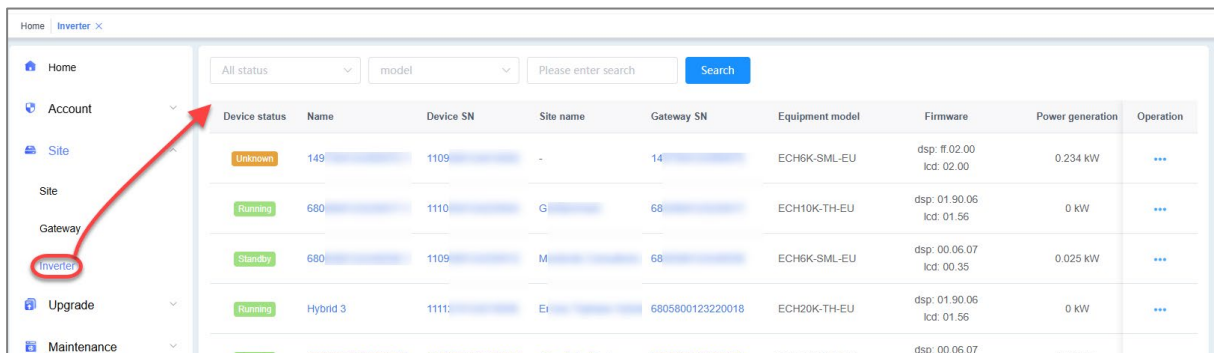


Figure 6-43 Create Gateway Upgrade Task

## 6.4 Inverter

The **Inverter** page lists all inverters and allows you to manage them.

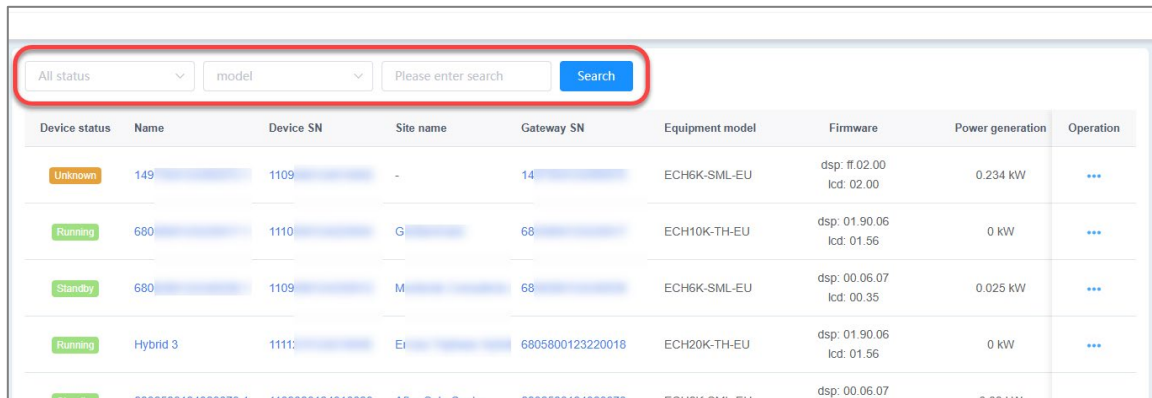


Device status	Name	Device SN	Site name	Gateway SN	Equipment model	Firmware	Power generation	Operation
Unknown	149	1109	-	14	ECH6K-SML-EU	dsp: 11:02:00 lcd: 02:00	0.234 kW	...
Running	680	1110	G	68	ECH10K-TH-EU	dsp: 01:50:06 lcd: 01:56	0 kW	...
Standby	680	1109	M	68	ECH6K-SML-EU	dsp: 00:06:07 lcd: 00:35	0.025 kW	...
Running	Hybrid 3	1111	Ei	6805800123220018	ECH20K-TH-EU	dsp: 01:50:06 lcd: 01:56	0 kW	...
Running	680	1109	M	68	ECH6K-SML-EU	dsp: 00:06:07 lcd: 00:35	0.025 kW	...

Figure 6-44 Inverters List Page

### 6.4.1 Search for an Inverter

- On the **Inverter** page, use the following fields to locate inverters:
  - All Status:** Select the device status (e.g., Online, Offline).
  - All Models:** Choose the inverter model.
  - Please Enter Search:** Enter a keyword (e.g., serial number or name).
- Click **Search** to display matching inverters.

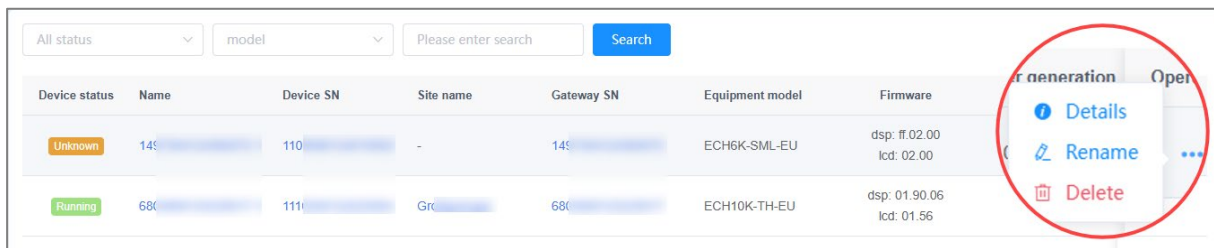


Device status	Name	Device SN	Site name	Gateway SN	Equipment model	Firmware	Power generation	Operation
Unknown	149	1109	-	14	ECH6K-SML-EU	dsp: ff.02.00 lcd: 02.00	0.234 kW	...
Running	680	1110	G	68	ECH10K-TH-EU	dsp: 01.90.06 lcd: 01.56	0 kW	...
Standby	680	1109	M	68	ECH6K-SML-EU	dsp: 00.06.07 lcd: 00.35	0.025 kW	...
Running	Hybrid 3	1111	Ei	6805800123220018	ECH20K-TH-EU	dsp: 01.90.06 lcd: 01.56	0 kW	...

Figure 6-45 Search For Inverters

For managing a specific inverter:

1. In the Operation column, click the “...” icon.
2. Choose **Delete** to remove it or **Rename** to update its name.



Device status	Name	Device SN	Site name	Gateway SN	Equipment model	Firmware	Power generation	Operation
Unknown	149	110	-	14	ECH6K-SML-EU	dsp: ff.02.00 lcd: 02.00		...
Running	680	111	Grc	680	ECH10K-TH-EU	dsp: 01.90.06 lcd: 01.56		...

Figure 6-46 Inverter Management Options

## 6.4.2 Inverter Information

### 6.4.2.1 Details

From the Inverter list page, click an inverter's name or serial number (S/N) to open its details page by default and view its information. This page displays the inverter's current information, such as status and Inversion Information.

To control the inverter, click **Power On/Off** to turn it on or off.

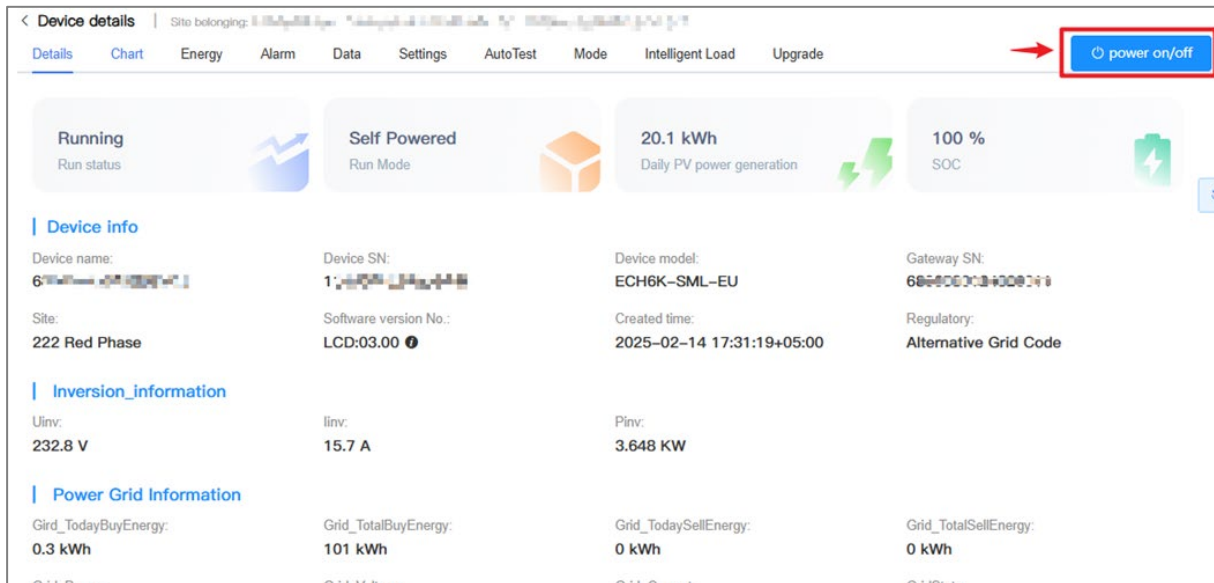


Figure 6-47 Deatils of Single Inverter

### 6.4.2.2 Chart

View inverter chart data by configuring:

- Chart style (Simplified or Detailed).
- Time interval, dimension, and range.
- Refresh interval.
- Measurement Points (e.g., Generation, Temperature, Power, AC, DC).



Figure 6-48 Chart of Single Inverter

### 6.4.2.3 Energy

To view energy data:

1. Select a time dimension (e.g. year, month, day).
2. Click the calendar to choose a specific year/month/date.



- Click **Download** to save the energy yield data for the selected time range to your computer.

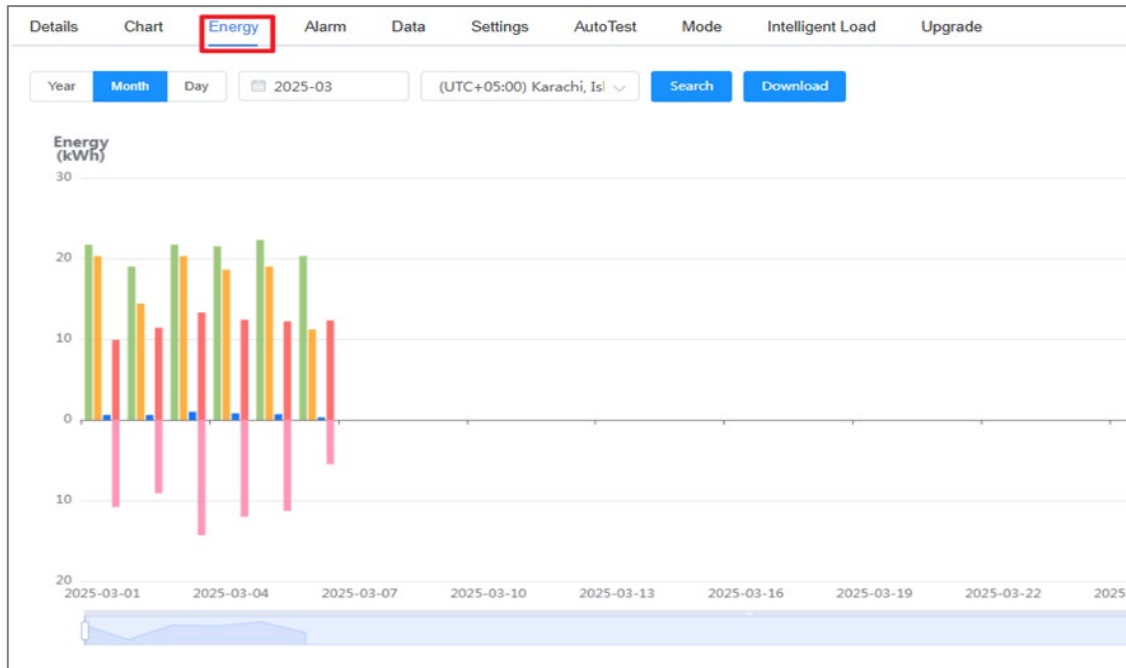


Figure 6-49 Energy Of Single Inverter

#### 6.4.2.4 Alarm

Search for alarm events by:

- Selecting the alarm type.
- Choosing a time range.
- Clicking **Search** to view results.
- Clicking **Download** to save the alarm details to your computer.

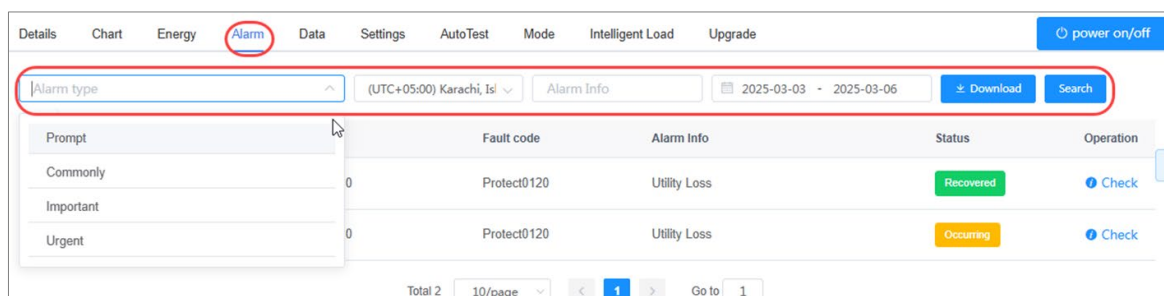


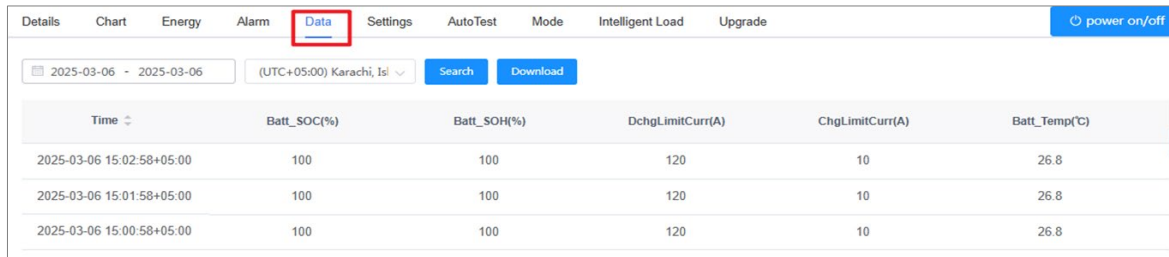
Figure 6-50 Alarm of Single Inverter

#### 6.4.2.5 Data

To view device data:

- Select a time range.
- Click **Search** to display data for that period.

3. Click **Download** to save the data to your computer.

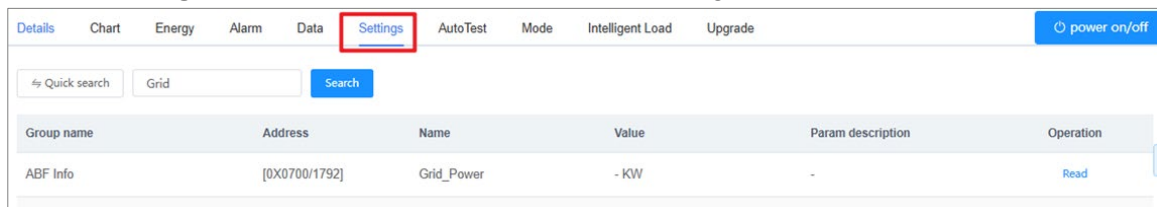


Time	Batt_SOC(%)	Batt_SOH(%)	DchgLimitCurr(A)	ChgLimitCurr(A)	Batt_Temp(°C)
2025-03-06 15:02:58+05:00	100	100	120	10	26.8
2025-03-06 15:01:58+05:00	100	100	120	10	26.8
2025-03-06 15:00:58+05:00	100	100	120	10	26.8

Figure 6-51 Data of Single Inverter

## 6.4.2.6 Settings

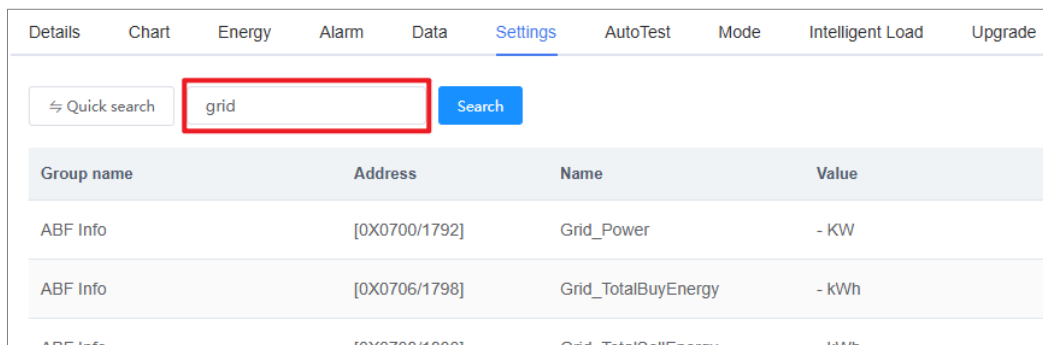
Select **Settings** from the function bar to view or edit register parameters.



Group name	Address	Name	Value	Param description	Operation
ABF Info	[0X0700/1792]	Grid_Power	- KW	-	Read

### 6.4.2.6.1 Search Parameters

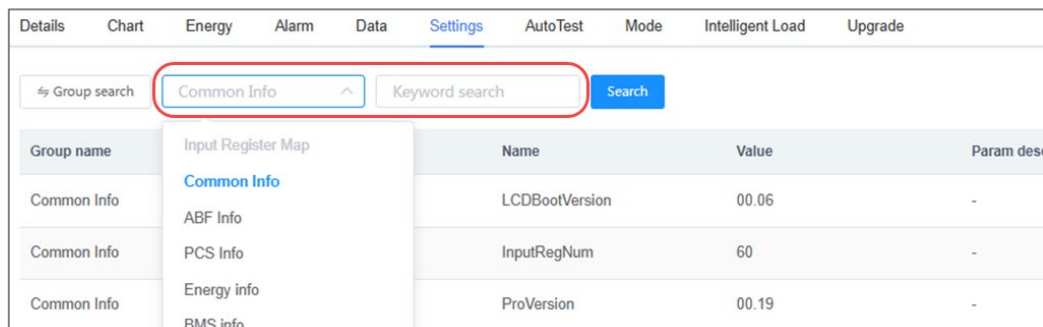
- Quick Search: Quick search is default by clickint **Settings**. Enter the keyword to search.



Group name	Address	Name	Value
ABF Info	[0X0700/1792]	Grid_Power	- KW
ABF Info	[0X0706/1798]	Grid_TotalBuyEnergy	- kWh
ABF Info	[0X0708/1800]	Grid_TotalSellEnergy	kWh

Figure 6-52 Inverter Parameters Quick Search

- Group Search: click quick search button to switch to group serach, select a register group or enter the keyword to search.



Group name	Name	Value	Param desc
Common Info	LCDBootVersion	00.06	-
Common Info	InputRegNum	60	-
Common Info	ProVersion	00.19	-

Figure 6-53 Inverter Parameters Group Search

#### 6.4.2.6.2 Read and Write Parameters

- Click **Read** in the Operation column to view the current parameter value.
- Click **Write** in the Operation column to edit the parameter value.

**Note:** The **Write** option is available only for Hold Register Map parameters.

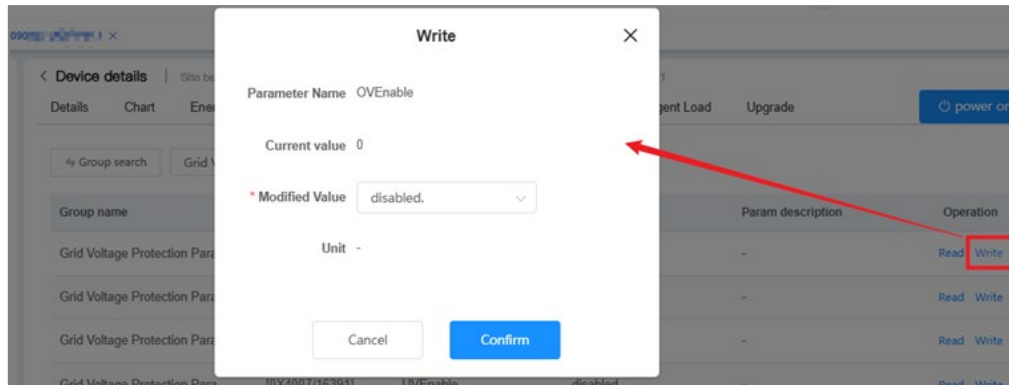


Figure 6-54 Write Inverter Parameters

#### 6.4.2.7 AutoTest

AutoTest is only available for Italy. After confirm the test conditions, check the agreement, then click start to test.

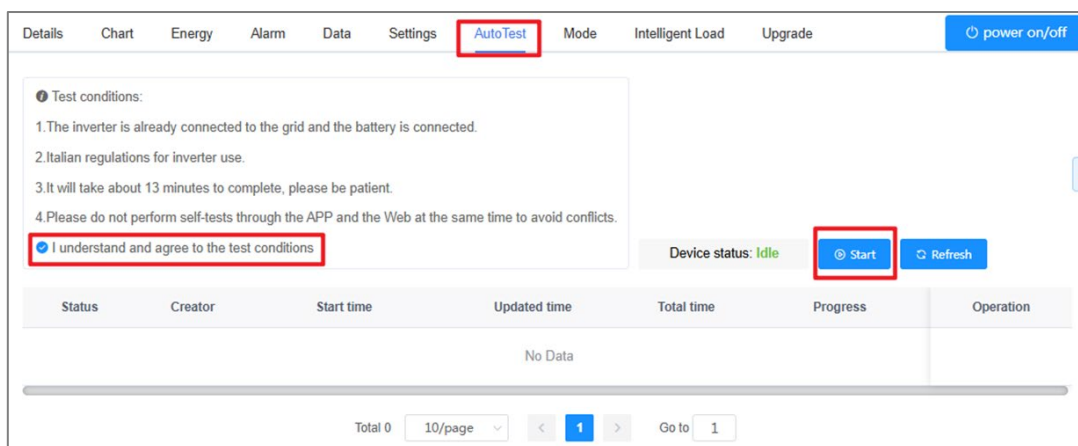


Figure 6-55 AutoTest

#### 6.4.2.8 Mode

Select **Mode** from the function bar to control the operation mode of energy storage inverters.

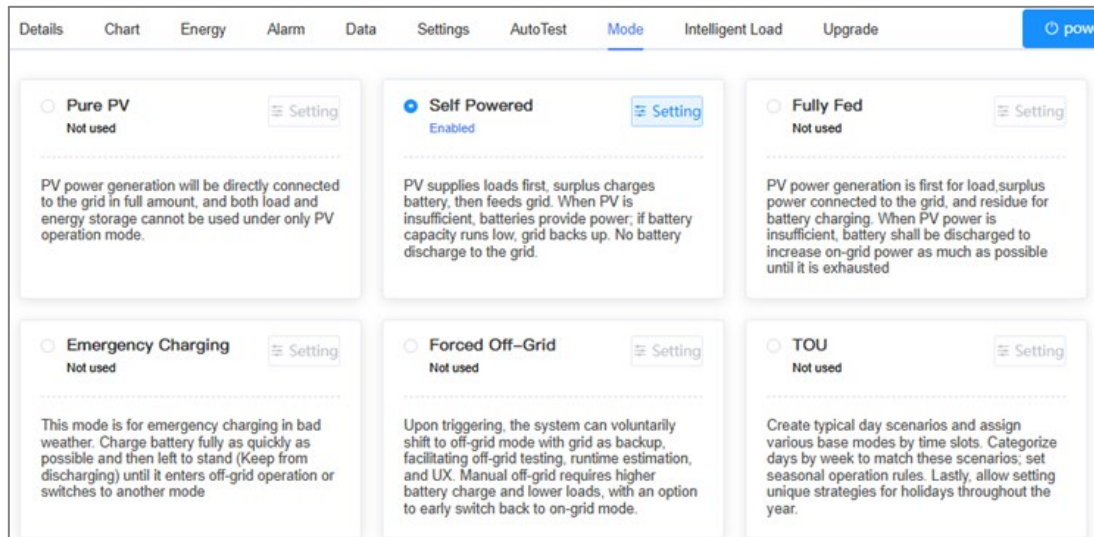


Figure 6-56 Mode Switch

Mode	Description
PV Mode	PV generation connects directly to the grid; load and energy storage are disabled.
Self-Consumption	PV prioritizes loads, then charges the battery, then feeds the grid. Battery discharges to loads when PV is low, but not to the grid; grid backs up if needed.
Full Feed-In	PV prioritizes loads, then feeds the grid, then charges the battery. Battery discharges to maximize grid feed-in when PV is insufficient.
Emergency Charging	Charges the battery fully and quickly in bad weather, then holds charge until off-grid mode or another mode is selected.
Forced Off-Grid	Shifts to off-grid mode with grid backup for testing or runtime estimation. Requires high battery charge and low loads; allows early return to on-grid mode.
TOU Mode	Sets time-based scenarios with base modes, weekly categories, seasonal rules, and holiday strategies.

Table 6-3 Running Mode Description

To configure a mode:

1. Click **“Setting”** button next to the mode (e.g., TOU Mode).

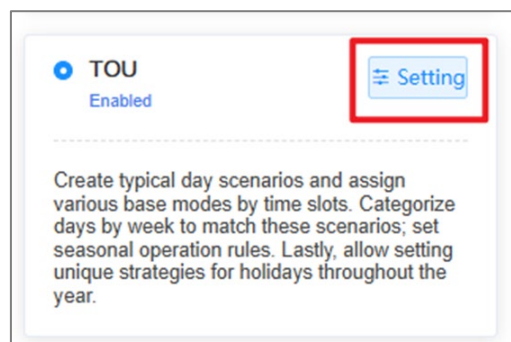


Figure 6-57 Mode Setting

2. Adjust the parameters as needed.

**TOU**

BatFromGridPower(kW)  
  
Value Range: [0,10] Offset value: 0.1

AntiFeedbackGridEn

FeedbackGridPower(kW)  
  
Value Range: [0,12] Offset value: 0.1

GridChgEn

BatFromGridStartTime

BatFromGridEndTime

Serial No.	Mode	Operation
1	<input type="button" value="DEFAULT"/>	<a href="#">Configuration</a>
2	<input type="button" value="EMPTY"/>	<a href="#">Configuration</a>

Figure 6-58 Example of TOU Mode Setting

### 6.4.2.9 Intelligent Load

Select **Intelligent Load** from the function bar to configure smart load settings.

Details Chart **Energy** Alarm Data Settings AutoTest Mode **Intelligent Load** Upgrade

☒ **Intelligent load off**  
Enabled  
Controlling smart load switch modes.

☐ **Manual control (default)**  
Not used  
For both grid-tied and off-grid modes, manual control of switch ON/OFF for system management is enabled.

☐ **Battery energy control**  
Not used  
For grid-tied and off-grid modes, smart load operation times are controlled based on battery charge levels with hysteresis consideration.

☐ **Time control**  
Not used  
Set independent start and stop times for smart loads, enabling standalone load activation and deactivation.

☐ **Residual optical power control**  
Not used  
In grid-tied mode only, surplus PV power charges batteries first before feeding into the grid; control switches based on grid feed-in and smart load consumption, with anti-backflow protection disabled.

Figure 6-59 Intelligent Load Switch

Mode	Description
Intelligent Load	Disables smart load switch control.
Manual	Enables manual ON/OFF control for grid-tied and off-grid modes (default).
Battery Energy	Controls load operation times based on battery charge levels with hysteresis, for both grid-tied and off-grid modes.
Time Control	Sets independent start/stop times for smart loads in standalone operation.
Residual Optical	In grid-tied mode, surplus PV power charges batteries before feeding the grid,

Power Control	managing switches based on feed-in and load consumption (anti-backflow disabled).
---------------	---

Table 6-4 Intelligent Load Description

To configure the intelligent load parameters, select the load mode, then Click “**Setting**” button to configure.

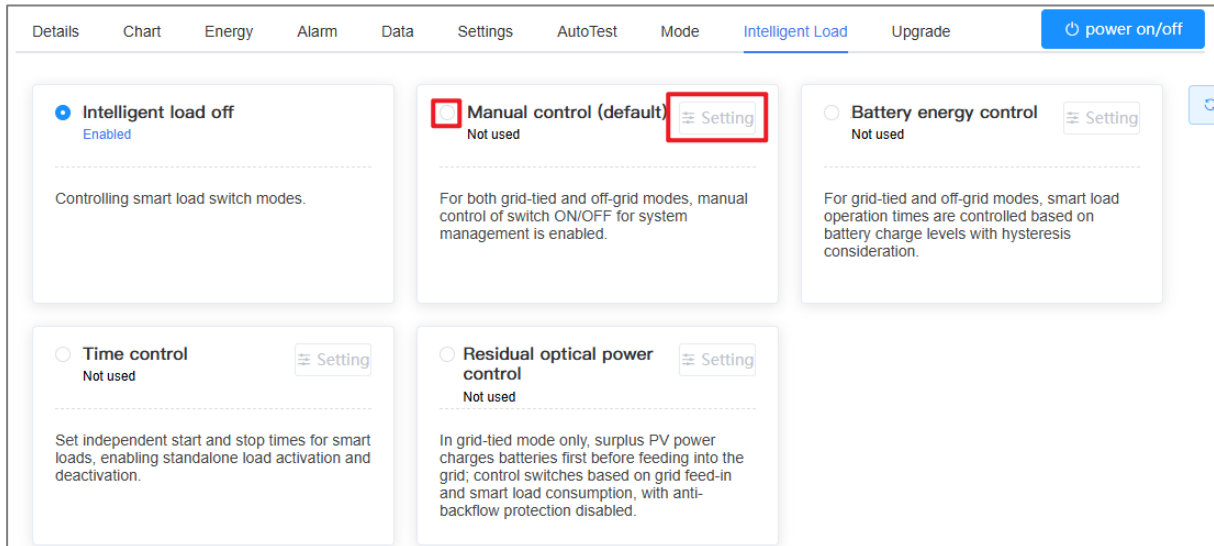


Figure 6-60 Intelligent Load Setting

#### 6.4.2.10 Upgrade

The Upgrade section manages firmware updates for inverters, displaying version history and logs.

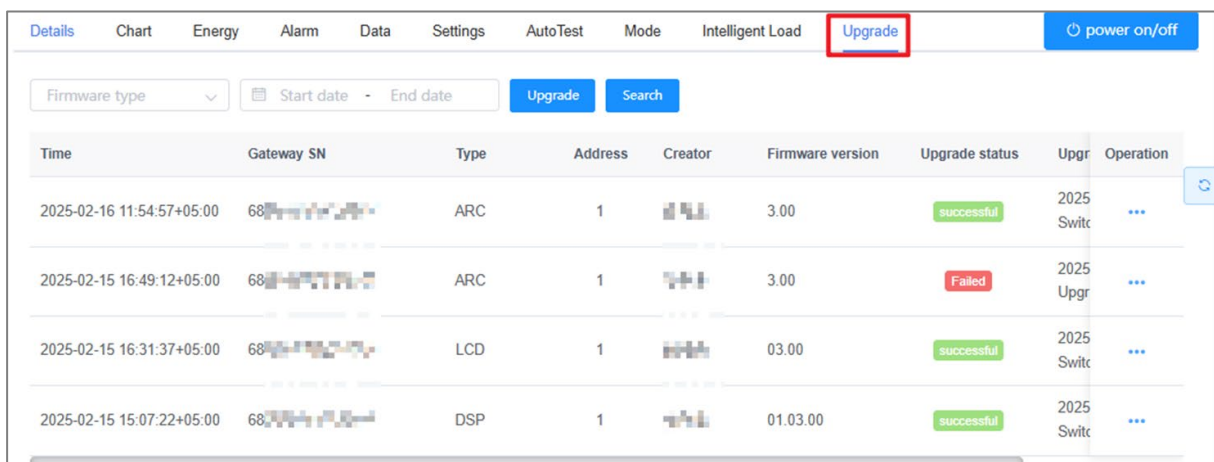


Figure 6-61 Upgrade Inverter

To upgrade firmware:

1. Click **Upgrade** next to the inverter.

Details	Chart	Generation	Alarm	Data	Remote	Mode	Intelligent Load	Upgrade
Device type	Start date	End date	Upgrade	Search				
Time	Logger	Type	Address	Creator	Version			
2024-10-08 19:27:21+08:00	6805800123490015	ARC	1		0.84			
2024-09-14 14:40:18+08:00	6805800123490015	LCD	1		2.00			
2024-07-27 13:09:36+08:00	6805800123490015	LCD	1		0.35			

Figure 6-62 Create Upgrade Task

## 2. Configure the following item:

- Firmware Type: Select the type (e.g., LCD, DSP, Slave DSP, Trip Board, EXHMI, ARC, Senergy Master DSP, Senergy Slave DSP, Senergy CSB, Senergy Module, etc.).
- Firmware: Choose the firmware version to apply.
- Reservation: Select Yes to schedule the upgrade or No to upgrade immediately.
- Time: Set the upgrade time if Yes is selected under Reservation.

## 3. Click **Confirm** to add the task to the upgrade list.

### LCD Upgrade

[<](#)
[LCD](#)
[DSP](#)
[Secondary DSP](#)
[Trip Board](#)
[EXHMI](#)
[ARC](#)
[Senergy Primary Dsp](#)
[Senergy : >](#)

\* Firmware

ECH6K-SML-EU--2.00

\* Reservation

☒ Yes
 ☐ No

\* Time

🕒 2024-11-22 00:00:00

Cancel

Confirm

Figure 6-63 Upgrade Configuraiton

## 6.5 System Release

This feature is available exclusively for commercial, industrial, and utility energy storage systems in North America region. Contact technical support to activate the necessary permissions if access is required.

## 7 Upgrade

The **Upgrade** section enables you to manage firmware updates for devices. Use this section to download the latest firmware releases and to schedule, view, or delete upgrade tasks for your equipment.

### 7.1 Firmware Release

The **Firmware Release** page lists all firmware releases for devices. Use this page to find and download the latest firmware for later upgrades, or search for specific firmware versions.

Home

Account

Site

Upgrade

Firmware release

Firmware update

Maintenance

Gateway firmwareInverter firmware

Gateway model

Version

Search

Model No	Version	Describe	Upgrade statistics	Creator	Operation
CPS WiFi Kit	<div>NEW</div> 10.00	release	<div>1</div>	zhaox1	<a href="#">Download</a>
CPS 4G Kit-CN	<div>NEW</div> 10.00	release	-	zhaox1	<a href="#">Download</a>
SCS100B05-R	<div>NEW</div> 10.00	release	<div>5</div>	zhaox1	<a href="#">Download</a>
CPS 4G Kit-CN-A(USB)	<div>NEW</div> 10.00	release	<div>2</div>	zhaox1	<a href="#">Download</a>
CPS 4G Kit-CN	8.12.E3	upgrade esp module to...	<div>2</div>	zhaox1	<a href="#">Download</a>

Figure 7-1 Firmware Release

To download a firmware release:

1. Click the gateway firmware or inverter firmware.
2. (Optional) Filter by:
  - Device model.
  - Firmware version.
3. Click **Download** to save the firmware to your computer.

Gateway firmware

Inverter firmware

Gateway model

Version

Search

Model No	Version	Describe	Upgrade statistics	Creator	Operation
CPS WiFi Kit	<span>NEW</span> 10.00	release	1	zhaox1	<span>Download</span>
CPS 4G Kit-CN	<span>NEW</span> 10.00	release	-	zhaox1	<span>Download</span>
SCS100B05-R	<span>NEW</span> 10.00	release	5	zhaox1	<span>Download</span>

Figure 7-2 Download Firmware



## 7.2 Firmware Upgrade

The **Firmware Upgrade** page lists all upgrade tasks. You can view task details, add new tasks, or delete existing tasks from this page.

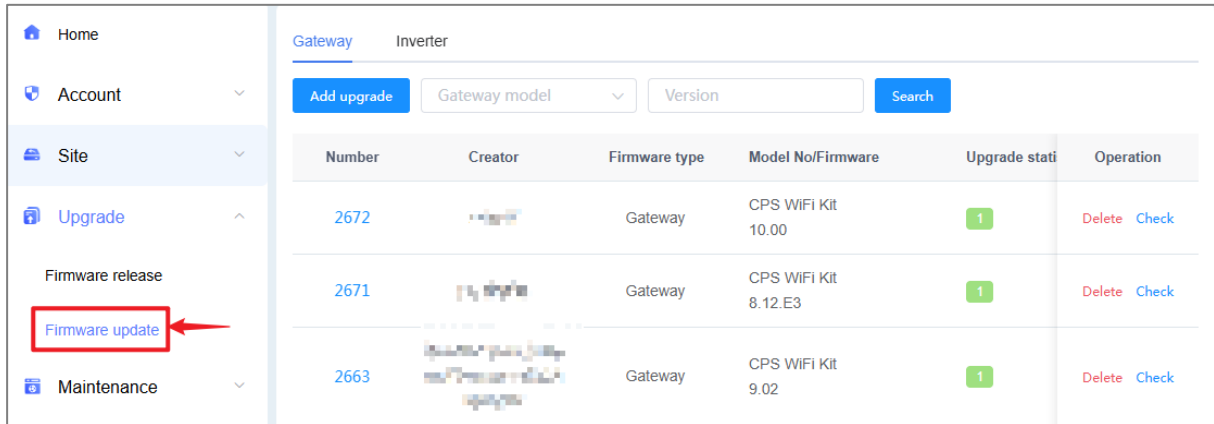


Figure 7-3 Firmware Update

### 7.2.1 Add an Upgrade Task

To create an upgrade task to batch upgrade gateways:

1. Select the device type (gateway or inverter) from the tab bar.
2. Click **Add upgrade** on the left side to initiate an upgrade for one or more devices.

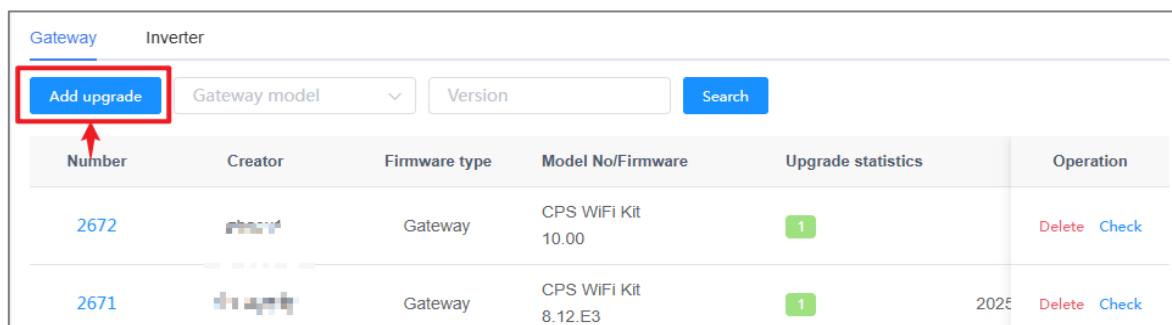


Figure 7-4 Create Upgrade Task

3. Fill in the upgrade task information:
  - Model No.: Select the device model.
  - Firmware version: Choose the firmware version.
  - Reservation: Yes: Need to configure a specific time to upgrade; or No: upgrade immediately.
  - Time: If Reservation is checked by Yes, configure a reservation time to upgrade. Select one or multiple devices for upgrading.
4. Click **Confirm** to add the task to the upgrade list.

**Add gateway upgrade**

**\* Model No** CPS WiFi Kit

**\* Firmware version** CPS WiFi Kit--10.00

**\* Reservation** ☒ Yes ☐ No

**\* Time** 2025-07-10 00:00:00

Site screening

Online

Version

Please enter SN

Search

Selected devices: 1

<input checked="" type="checkbox"/>	Gateway SN	Gateway status	Model No	Version	Upgrade status	Site name
<input checked="" type="checkbox"/>	68...	Online	CPS WiFi Kit	9.02	-	Awais
<input type="checkbox"/>	68...	Online	CPS WiFi Kit	9.02	-	Tariq
<input type="checkbox"/>	68...	Online	CPS WiFi Kit	9.02	-	Greer
<input type="checkbox"/>	68...	Online	CPS WiFi Kit	9.02	-	Asim
<input type="checkbox"/>	68...	Online	CPS WiFi Kit	9.02	-	Ali Re
<input type="checkbox"/>	68...	Online	CPS WiFi Kit	9.02	-	222 Y
<input type="checkbox"/>	68...	Online	CPS WiFi Kit	9.02	-	68065
<input type="checkbox"/>	68...	Online	CPS WiFi Kit	9.02	-	222 B

Total 33

10/page

< 1 2 3 4 >

Go to 1

Cancel

Confirm

Figure 7-5 Upgrade Task Configuration

## 7.2.2 View Upgrade Task Details

Click the task number or check button to expand and view the upgrade details.

Gateway		Inverter				
Add upgrade		Gateway model		Version		
				Search		
Number	Creator	Firmware type	Model No/Firmware	Upgrade statistics	Reservation	Operation
2672		Gateway	CPS WiFi Kit 10.00	1	-	20: Delete Check
2671		Gateway	CPS WiFi Kit 8.12.E3	1	2025-03-06 00:00:00 +08:00	20: Delete Check

Figure 7-6 View Upgrade Task Details

## 7.2.3 Delete an Upgrade Task

Click **Delete** in the operation column to delete an upgrade task

Gateway		Inverter				
Add upgrade		Gateway model		Version		
				Search		
Number	Creator	Firmware type	Model No/Firmware	Upgrade statistics	Reservation	Operation
2672		Gateway	CPS WiFi Kit 10.00	1	-	20: Delete check
2671		Gateway	CPS WiFi Kit 8.12.E3	1	2025-03-06 00:00:00 +08:00	20: Delete check

Figure 7-7 Delete an Upgrade Task

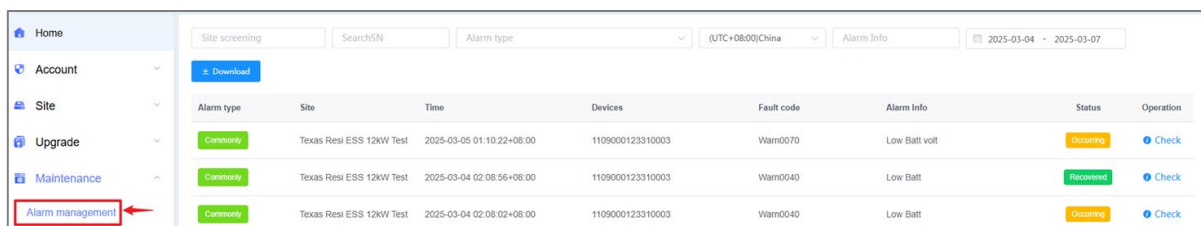
## 8 Maintenance

### 8.1 Alarm Management

The **Alarm Management** page allows you to view and filter alarm information for devices. Use the following fields to search for alarms:

- **Site Screening** : Select a site from the dropdown.
- **Search SN** : Enter a device serial number.
- **Alarm Type** : Choose an alarm level.
- **Alarm Info**: Input the alarm information.
- **Time Zone** and **Time Range**: Specify a time period.

Optionally, click **Download** to save the alarm details for the selected device and time range to your computer.



Alarm type	Site	Time	Devices	Fault code	Alarm Info	Status	Operation
Commonly	Texas Resl ESS 12kW Test	2025-03-05 01:10:22+08:00	1109000123310003	Warn0070	Low Batt volt	Occurring	Check
Commonly	Texas Resl ESS 12kW Test	2025-03-04 02:08:56+08:00	1109000123310003	Warn0040	Low Batt	Recovered	Check
Commonly	Texas Resl ESS 12kW Test	2025-03-04 02:08:02+08:00	1109000123310003	Warn0040	Low Batt	Occurring	Check

Figure 8-1 Alarm Management