Peimar X portal

EN

Monitoring system for X series inverters

PEIMAR

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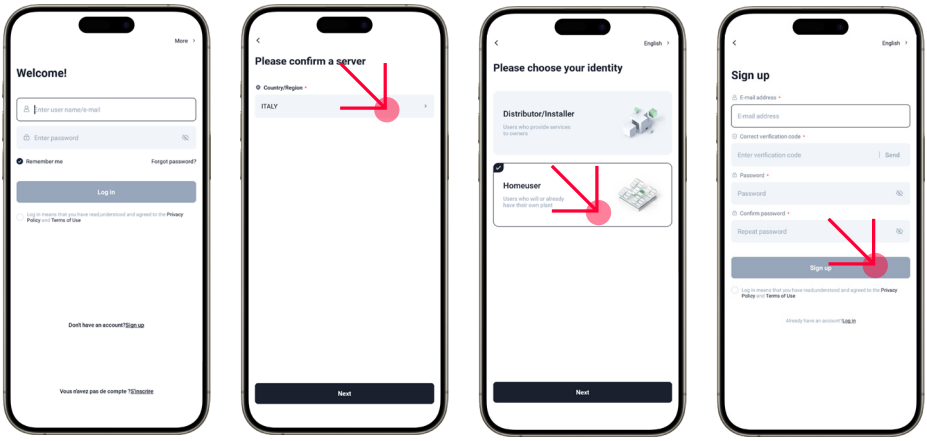
1. Account and Security

1.1. Creating an Account

On the login page, tap Sign Up to create an account. Select a country or region, choose the End User role, complete the registration information, and finally tap Sign Up.



PLEASE NOTE

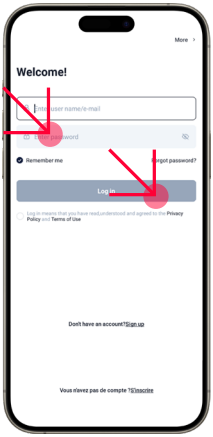
To proceed with the creation of an Installer account, you must submit a request via email to assistenza@peimar.com, including the following information:

- Company name
- Reference email address
- Username (The username must contain only letters, numbers, "@", "_", and ".". Other special characters or spaces are not allowed.)
- Inverter serial number (SN)
- Monitoring serial number printed on the Wi-Fi module (SN)
- Password

Ensure that all information is correct and complete for proper account setup.

2. Login

Select your server, enter your account and password, check the box to accept the Privacy Policy and Terms of Use, and finally tap Log In.

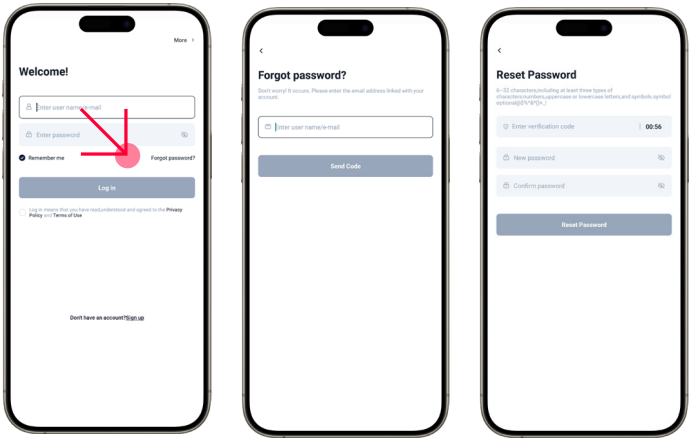


PLEASE NOTE

If you enter the wrong password five times in a row, the account will be forcibly locked for 30 minutes.

3. Forgot Password

If you forget your password, you can tap "Forgot Password" to reset it. Resetting the password requires entering the verification code sent to your registered email to authenticate your identity.



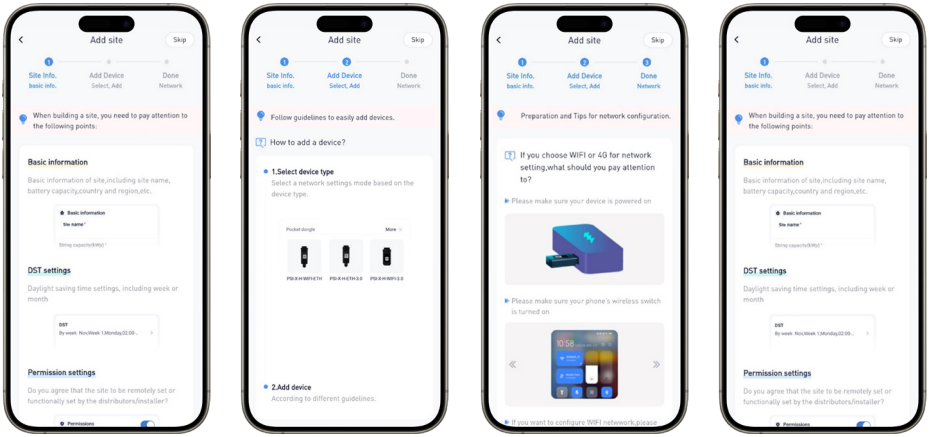
4. System

4.1. Add a System

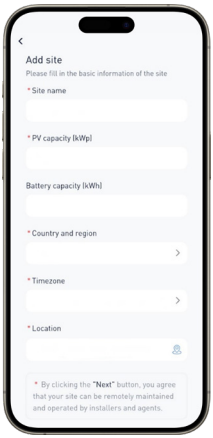
Step 1: Tap the "+" icon in the center of the homepage to add a system (for users adding a system for the first time).

Tap the "+" icon in the top right corner of the homepage and select Add System from the dropdown menu (for users who have already added a system).

Step 2: Click "Skip" or "Go to Add" if you are already familiar with the setup when the setup pages appear (a total of 4 pages).



Step 3: Select "While using the app" when the Peimar X portal app asks for permission to access your location information.

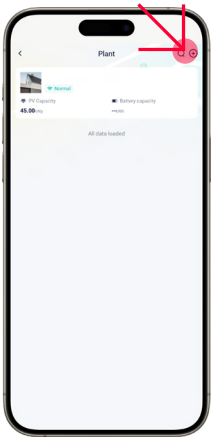


Step 4: Fill in the basic information about the system, including the system name, system capacity (settable range: 0-99999999), country/region, time zone, and location. Select whether to enable "Show first by default" and "Use and set daylight saving time (DST)," then decide whether to grant setting and maintenance rights to an installer or agent. Tap "Next."

At this point, you have already created a virtual system. You can view it in the system list. If you wish to proceed with the next steps (adding the device and configuring the network), refer to the Network Setup section.

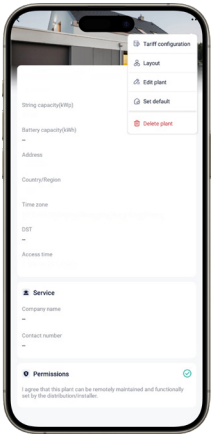
5. System Management

An account can contain multiple systems. For convenience in management, you can go to "Me" > "System Management" to view the list of systems, search for a system, or add a new one.

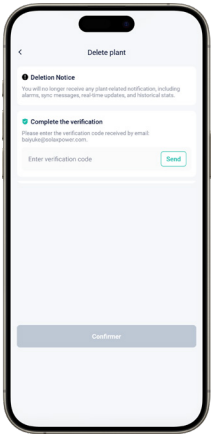


6. Managing a Single System

By selecting a system from the list, you can view its details, including basic system information, service information, and rights. Additionally, you can tap "..." in the top right corner of the system details page to perform the following actions on a system: edit the system, delete the system, set the system as default, and set the tariff.



- **Edit System**
  You can modify the basic information of the system and change the permissions.
- **Delete System**
  A user can delete a system that is not associated with a physical device. When deleting a system, you will need to enter a verification code.



- **Set Default System**

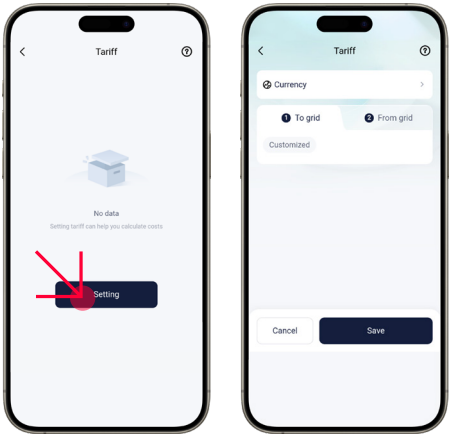
  Tap "Set Default" to set the current system as the default system. Once set as the default, the data displayed on the homepage will only be the data of the default system upon each login.

- **Set Tariff**

  You can set the tariff for a system. For details, refer to the "Set Tariff" section.

7. Set Tariff

Tap "Settings" to access the tariff settings page. Tap the edit icon to set the buy/sell tariff (From grid/To grid).

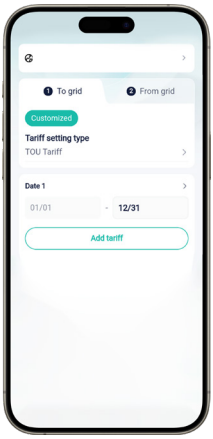


7.1. Set Selling Tariff

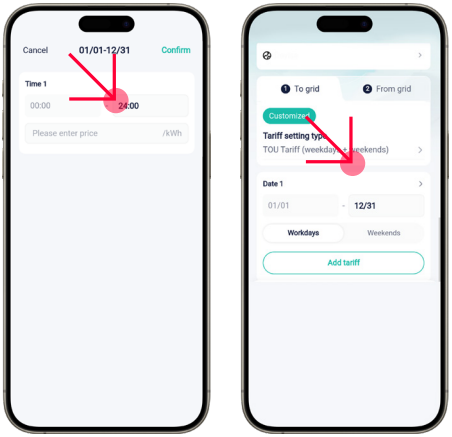
1. Select the currency unit based on the current situation.
2. Select "To grid" from the tab.
3. Choose a tariff setting method. There are two methods: Custom and Automatic (hidden in regions/countries that do not support the service).

Custom

- Fixed Tariff: Select Fixed Tariff, set the price, and then tap Save.

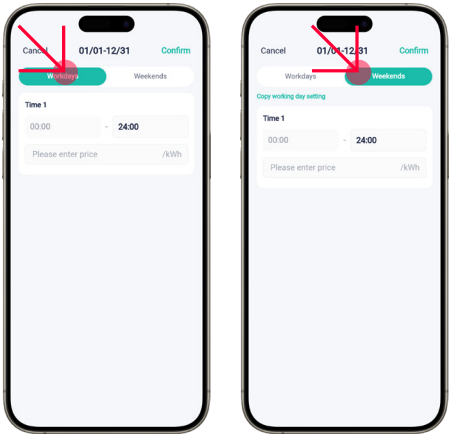


- TOU Tariff (Time-of-Use Tariff):
  - Based on your situation, tap the empty field for the end date to divide the year into different periods.
  - Tap “>” or “Add Tariff” to enter a period.
  - Divide a day (24 hours) into different time slots.
  - Set an electricity price for each time slot.
  - After completing all settings, tap Save.



- TOU Tariff (Weekdays + Weekend):

  Similar to the TOU tariff settings, but it offers additional options to set different rates for weekdays and weekends within a daily cycle.



- Automatic:

  You need to set the country/region and the management fee (confirmed by the local grid).

7.2. Set Purchase Tariff

The method for setting the purchase tariff is similar to that for setting the selling tariff, which is not described here. For details, refer to the "Set Selling Tariff" section.

8. Network Configuration

Peimar devices, such as PSI-X-H-WIFI-3.0, PSI-X-DH1000, PSI-X-HPAB-S, PSI-X1-EVC, and PSI-X3-EVC, can all connect to the Peimar X portal. Here, the PSI-X-H-WIFI-3.0 (used for inverter communication) will be taken as an example to describe the network configuration process. The configuration steps for other devices are similar to those for the Pocket Dongle and are not described in detail here.

The PSI-X-H-WIFI-3.0 can obtain a network connection via Wi-Fi and LAN. You can use either option to complete the network configuration depending on the product you purchased.

The PSI-X communication modules can obtain a network connection via Wi-Fi and LAN.

8.1. Wi-Fi

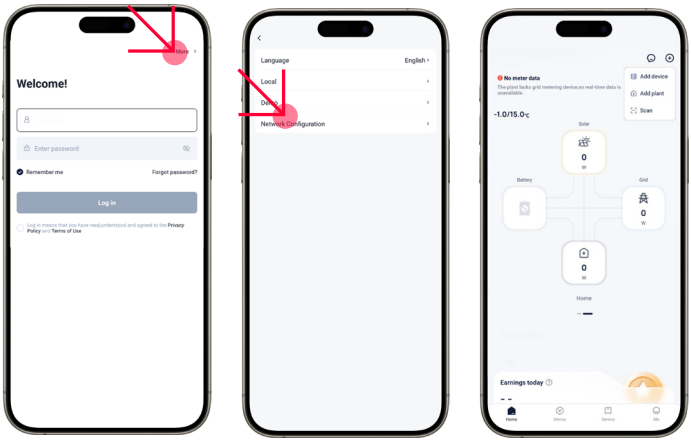
8.1.1. Prerequisites

- The phone’s WLAN is on, and there is a Wi-Fi network available with a good signal.
- The Pocket with Wi-Fi function has been installed and correctly connected to the device following the PSI-X-H-WIFI and PSI-X-H-WIFI-3.0, PSI-X-H-ETH, and PSI-X-H-ETH-3.0 Installation Manual.
- The device is on and located near the router and the phone.

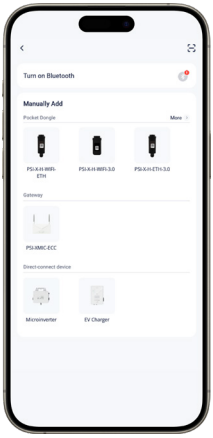
8.1.2. Steps

Step 1: On the login page, select “Other > Network Configuration.”

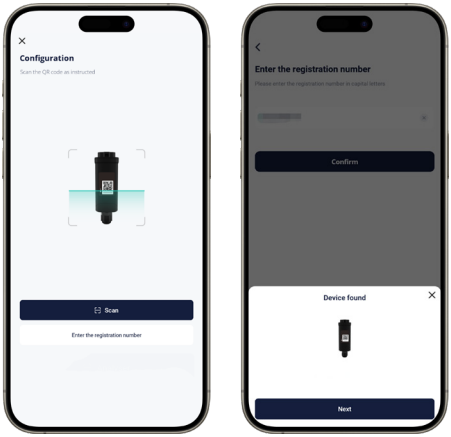
Alternatively, tap the "More" text in the top right corner of the homepage to select "Add Device" from the dropdown menu.



Step 2: Select the correct device type from the images below based on the device you own.



Step 3: "Scan" to scan the Pocket's QR code, or manually enter the Pocket's registration number. Once the registration number is successfully identified, tap "Next."

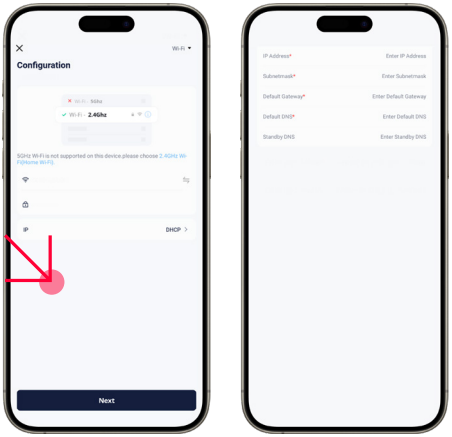


Step 4: Configure the network.

1. Select Wi-Fi as the communication mode only for Pocket Wi-Fi (PSI-X-H-WIFI and PSI-X-H-WIFI-3.0).
2. Select an available Wi-Fi network and enter the password.
3. Select the type of IP configuration.

- If you choose DHCP, no further configuration is needed.
- If you choose Static IP, you must manually enter the network parameters, including IP address, subnet mask, gateway, and any DNS server address.

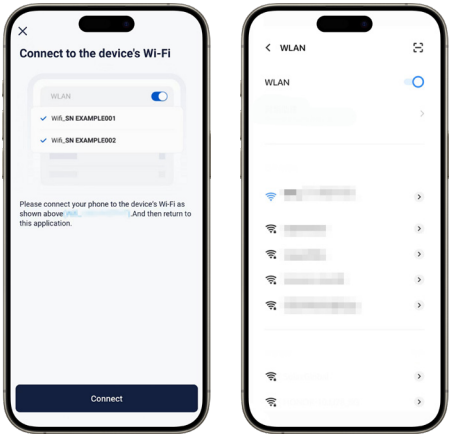
4. Tap "Next."



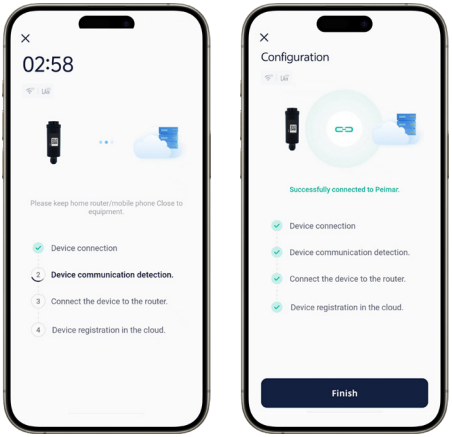
PLEASE NOTE

Users whose phone brand is NOT VIVO, HUAWEI, or OPPO can skip directly from this step to Step 6.

Step 5: "Connect" and switch the phone's WLAN to the device's hotspot network. The hotspot name is: Wifi_device SN. After that, return to the Peimar X portal app.



Step 6: When the system enters the next page, wait for the device to connect to the site and Peimar X portal. When all items are checked, it means the device has successfully connected to Peimar X portal. Tap "Finish."



PLEASE NOTE

If the device failed to connect to the network, find the corresponding solution based on the error code.

Step 7: Tap "Verify" to make sure the phone's WLAN has been switched to the family's Wi-Fi network. After switching, return to this app and tap "Got it."

Once the device has been connected to the cloud for 5 minutes, you can check the connection result. Generally, there are two states for a device:

- The first indicates that the network configuration was successful, and the device is connected to Peimar X portal.
- The second indicates that the device has been associated with the system, but the network configuration failed or the device data has not been uploaded to the portal. You can wait a bit to update or proceed with reconfiguring the network. For the method of reconfiguring the network, refer to Step 2 through Step 7.

Additionally, if you accidentally exit the device management or want to add another device to an existing site, you can start from one of the following entries:

- Entry 1: Tap the "+" in the top right corner of the homepage > Add Device.
- Entry 2: Device in the navigation bar > "+" in the top right corner > Add Device. For the other steps, refer to Step 2 through Step 7.

9. LAN

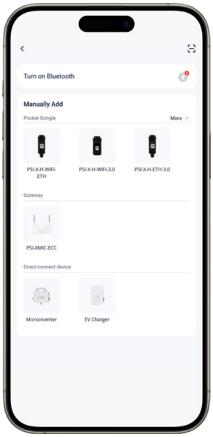
9.1. Prerequisites

- The phone's WLAN has been activated, and a Wi-Fi network with a strong signal is available.
- The Pocket with the LAN function has been installed and correctly connected to the device according to the Installation Manual of PSI-X-H-ETH and PSI-X-H-ETH-3.0, or the Installation Manual of PSI-X-H-WIFI and PSI-X-H-WIFI-3.0 + PSI-X-H-ETH and PSI-X-H-ETH-3.0.
- The device has been powered on.

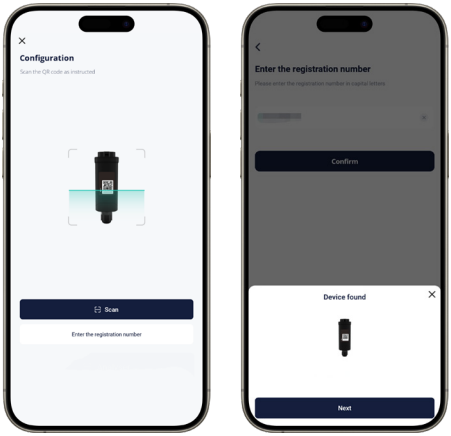
9.1.1. Steps

Step 1: Tap the "+" icon in the top-right corner of the main page to select "Add Device" from the drop-down menu.

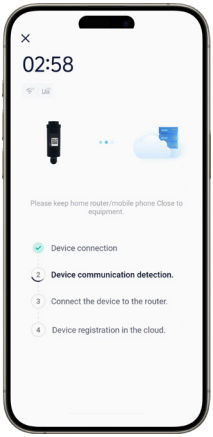
Step 2: Select the correct device type from the images below based on the device you own.



Step 3: Tap "Scan" to scan the QR code of the Pocket or manually enter the Pocket registration number. Once the registration number has been successfully identified, tap "Next."



Step 4: Tap "Finish" when this page appears. Once a device is associated with a system, it means the device can connect to the Peimar X portal.

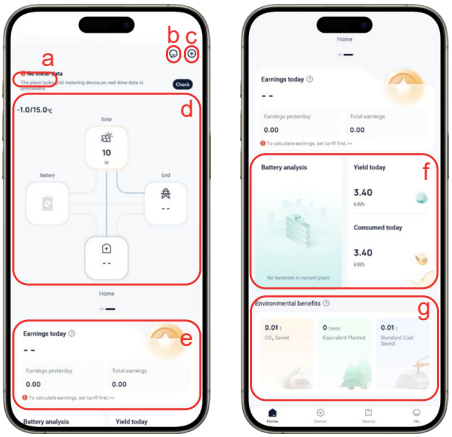


After the device has been associated with the system, you can verify if the device has connected to the Peimar X portal. It will indicate that the device is successfully connected to the Peimar X portal.

Additionally, if you accidentally exit the device addition process or if you wish to add another device to an already existing system, you can select "Add Device" from the drop-down menu by tapping the "+" icon in the top-right corner of the main page.

10. Introduction to the Homepage

The page on the left is the homepage, which shows the overall operational status of a system. The table on the right introduces the composition and description of this page.

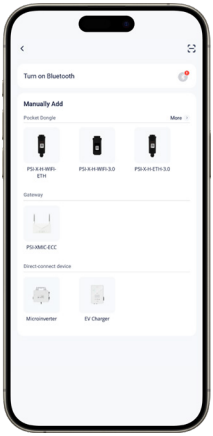


a	Time
b	Notifications and Messages
c	Entry to Add a System and a Device
d	Energy Flow Graph (abstract and concrete): Dynamically displays the trends of energy flow between the battery, grid, photovoltaic (PV) panels, and load.
e	Shows the system's gains for today, yesterday, and in total.
f	Displays battery-related data, including the battery's SOC (State of Charge), remaining battery capacity, estimated battery duration, charging/discharging status, and the amount of energy consumed and generated.
g	Shows the equivalent environmental value. Indicators include CO2 emission reduction, number of trees planted, and amount of carbon reduction.

11. Device

11.1. Device Operations

In the navigation menu, select "Device" to access the device list page. By switching the device in the top-left corner, you can view all the devices under a system. Tap on a device, and you will be able to view the device details. For more details, refer to Device Details.

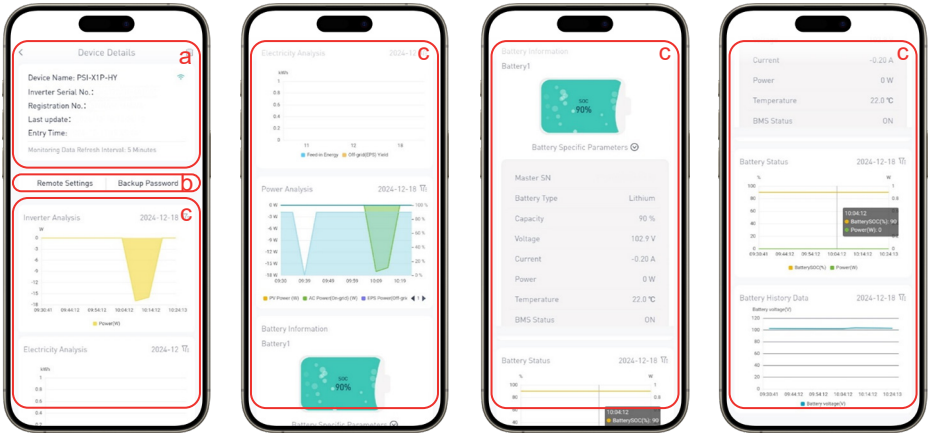


Additionally, you can perform the following operations on a device:

- Remote Settings: Tap to enter a single device and configure it remotely. Please set it up under the guidance of an installer or agent, as incorrect settings may cause device anomalies or failures.
- Add Device: Tap the "+" icon in the top-right corner of the page to add a device.
- Associate Device: Tap to enter a single device and associate it with a system.

12. Device details

Let's take the PSI-X3S-HY inverter as an example to show the composition of the device details page. The device pages may vary depending on the type of device. The device details page is subject to real-world conditions.



	Entry	Description
a	Basic Device Information	Includes the device name, device serial number (SN), device registration number, last data update, and access time.
b	Device Operations	**Remote Settings:** Users can turn the device on/off remotely, set the device's operating mode, and configure it remotely. The settings include user settings and advanced settings. **User settings:** Includes date/time, language, EPS mute, and operating mode. The initial password for these settings is 0000. **Advanced settings:** These must be configured by a professional or under their guidance. The password for advanced settings can be obtained from an installer or agent. **Backup Password:** If you forget the local access password, you can use this password.
c	Statistics	Includes the statistical analysis of the inverter, power statistics, battery information, battery status, and historical battery data.

13. Smart (TOU)

TOU (Time of Use) is an electricity usage mode that allows users to buy or use energy at different prices based on different time periods.

This mode is particularly suitable for photovoltaic power generation systems, where excess energy generated by the solar panels during the day can be sold to the grid or stored in batteries. At night, when electricity prices are low, the battery can be recharged. In the morning or evening, the battery can be discharged, thus saving on electricity bills. Users can use this method to improve energy efficiency.

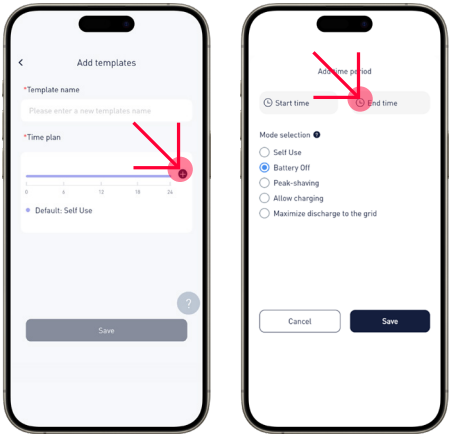
13.1.Creating the Model

You can create multiple TOU models based on your needs in different scenarios, so you can call them at any time when creating a TOU mode.

To create a model, follow these steps:

Step 1: Enter the model name and click the "+" icon to set up the schedule.

Step 2: Set the start and end times, select a mode, and click "Save." You can set different modes for different periods of the day.



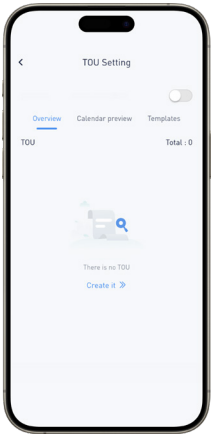
PLEASE NOTE

The periods cannot overlap, and it is not necessary for them to be set consistently.

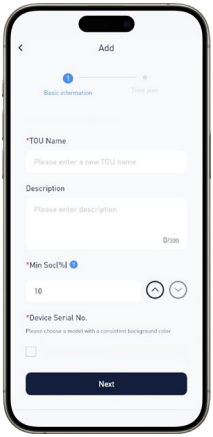
13.2. Setting TOU

To set a TOU, follow these steps:

Step 1: Tap "Create".



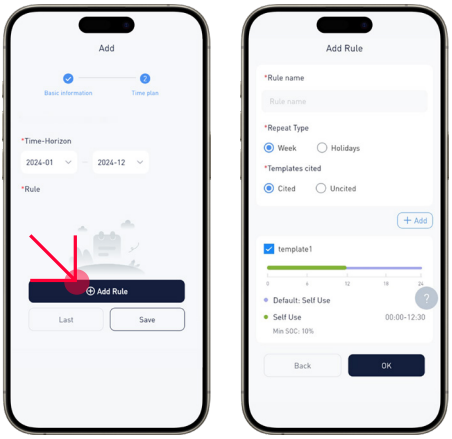
Step 2: Add the basic information. Fill in the TOU name, set the minimum battery capacity, and select the device's serial number (SN).



PLEASE NOTE

If there are multiple devices, select the serial numbers (SN) with the same background color to ensure that all physical devices are of the same model.

Step 3: Set the time interval, then tap "Add Rule."



Step 4: Set the rule name, circulation type, and whether to inherit the model.

Circulation Type

- If you select Week, you need to further specify which days of the week.
- If you select Holiday, you need to specify the holidays.

Inherit Model

- If you select Quoted, you can directly use the model created earlier. If you don't have a model yet, create one now. For instructions on creating a model, refer to "Creating the Model."
- If you select Not Quoted, you need to define the rule. For instructions on setting it up, refer to "Creating the Model."

14. Service

14.1. Warranty Management

In the Warranty Management module, users can view the list of warranties associated with the current account. The warranty list shows all devices for which a warranty has been requested. Additionally, users can filter and modify a warranty.

14.2. Third-Party Ecology

Through the API service, users can access Peimar X portal to obtain real-time data, historical data, and alarm messages from authorized inverters.

14.3. Email Subscription

With the subscription feature, you can receive the latest operational data of the device and monitor the device's status at any time.

14.4. Support Center

In the Support Center, you can:

- Watch tutorial videos to quickly learn the basics of network configuration.
- Consult the App instructions to fully learn how to use it.
- Report issues or suggestions related to using the App.
- View the contact information of the installer or agent to receive timely assistance.

14.5. EV Charger

By tapping on EV Charger to access the EV charger card management page, you can:

- View all EV charging cards associated with the selected system.
- Add an EV charging card.
- Delete an EV charging card.

Viewing EV Charging Cards

In this section, you can view all the EV charging cards associated with the selected system. The details will show the status and relevant information for each charging card linked to your installation.

Add an EV Charging Card

1. Select the system to which you want to add the card (make sure the EV charger is already associated with the system and correctly connected to the cloud).
2. Tap Add and choose a method to add the card:

- Scan the barcode: Use the barcode on the EV charger card.
- Enter the card number: The number of the EV charger card.
- Associate via the EV charger: Bring the card close to the reading area of the EV charger. When you hear the sound "deeeee---", it means the card has been successfully read.

Delete an EV Charging Card

Select the EV charger card to delete from all the EV charger cards under the system. Hold the card, and the Delete option will appear. Tap Delete to complete the operation.

15. Local Mode

In local mode, users can view the local data of the device and alarm messages, as well as change communication methods without a network.

There are two ways to access local mode:

- In the login page, select More > Local Mode.
- In the homepage, select Services > Applications > Local Access.

Login

1. Tap the icon to scan the QR code of the Pocket or manually enter the registration number of the Pocket. After the registration number has been successfully identified, enter the local password (optional, if the end user has set a local password) and tap Login.
2. Tap Connect when the following window appears.

16. Dongle

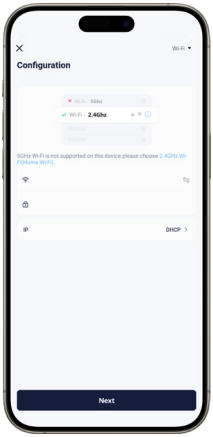
When using a PSI-X-H-WIFI and PSI-X-H-WIFI-3.0 Dongle as a communication device, you can switch between Wi-Fi and 4G by configuring the corresponding network in local mode.

16.1. Wi-Fi Network Configuration

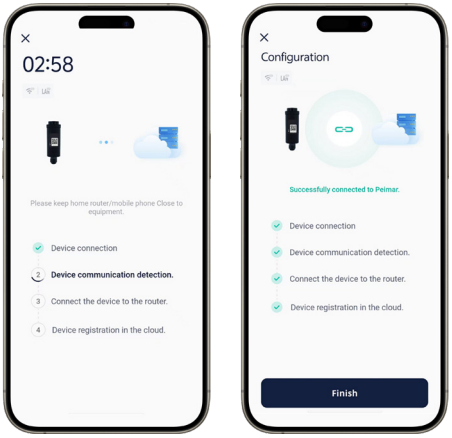
Step 1: Select Dongle in the lower bar to access the Dongle page. In the Dongle page, tap in the top-right corner to access the network configuration page.

Step 2: In the network configuration page, configure the following elements:

1. Select Wi-Fi as the communication mode.
2. Tap the Find AP button to select an available network from the AP list.
3. Enter the network password.
4. Choose whether to disable DHCP. If DHCP is disabled, detailed network information will need to be provided.
5. Tap Next.



Step 3: Wait a few minutes until all the indicators (shown in the red box) are lit, indicating that the device's Wi-Fi network setup has been successfully completed. Tap OK.



16.2. Network Configuration

Step 1: Select Dongle from the bottom bar to access the Dongle page. On the Dongle page, tap the top right corner to enter the network configuration page.

Step 2: On the network configuration page, set up the following:

1. Select 4G as the communication method.
2. Select Manual Configuration as the configuration mode.
3. Enter the APN.
4. Enter the network arrangement.
5. Tap Save.

Step 3: Wait a few minutes until all the indicators (shown in the red box) are lit, indicating that the 4G network setup has been successfully completed. Tap OK.

PLEASE NOTE

Do not exit any page during the network configuration. Otherwise, the network setup will be interrupted and fail.

17. Personal Settings

By selecting Me from the navigation bar, you can access the Personal Information page. Here, you can edit personal details, manage a facility, view messages and notifications, and configure personal settings.

- **Basic Information:** Tap the Basic Information tab to edit your username, email, country/region, phone number, and password. You can also delete your current account (be cautious with this action).
- **Gestione impianto:** Puoi visualizzare l'elenco degli impianti, aggiungere, eliminare o modificare un impianto, impostare un impianto predefinito e impostare le tariffe.
- **Centro messaggi:** Puoi visualizzare tutti i messaggi e le notifiche.
- **Impostazioni:** Imposta la lingua, l'unità di misura della temperatura e i giorni festivi secondo le tue preferenze.

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info@peimar.com | www.peimar.com

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