M. ESS APP USER MANUAL

Preface

• Objective

- This document mainly introduces the common operations of M. ESS App;
- Please read this manual carefully to familiarize yourself with the product functionalities. If the settings are wrong, it may affect the use of the device;
- The documentation will be updated from time to time, and the latest version of the information can be obtained;

• Eligibility

This document is intended for professionals who are familiar with local regulations, standards, and electrical systems, and who are professionally trained and familiar with this product;

• App Introduction

M. ESS App is an application that integrates functions such as device configuration, Bluetooth parameter configuration, remote control and device monitoring.

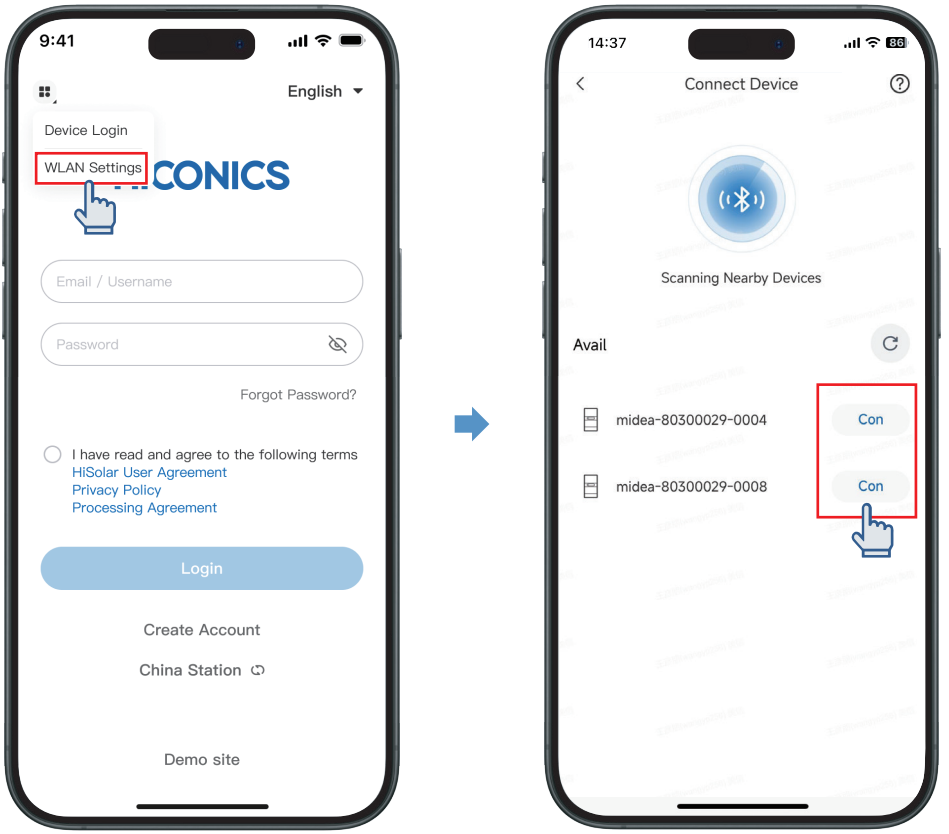
- Device Configuration;
- Bluetooth Parameter Configuration;
- Remote Control of Equipment;
- Device Real-Time Monitoring, etc.;

• Download and Install the App

Search for M. ESS in Google Play (Android) or App Store (IOS) to download and install it.

1 Device Configuration

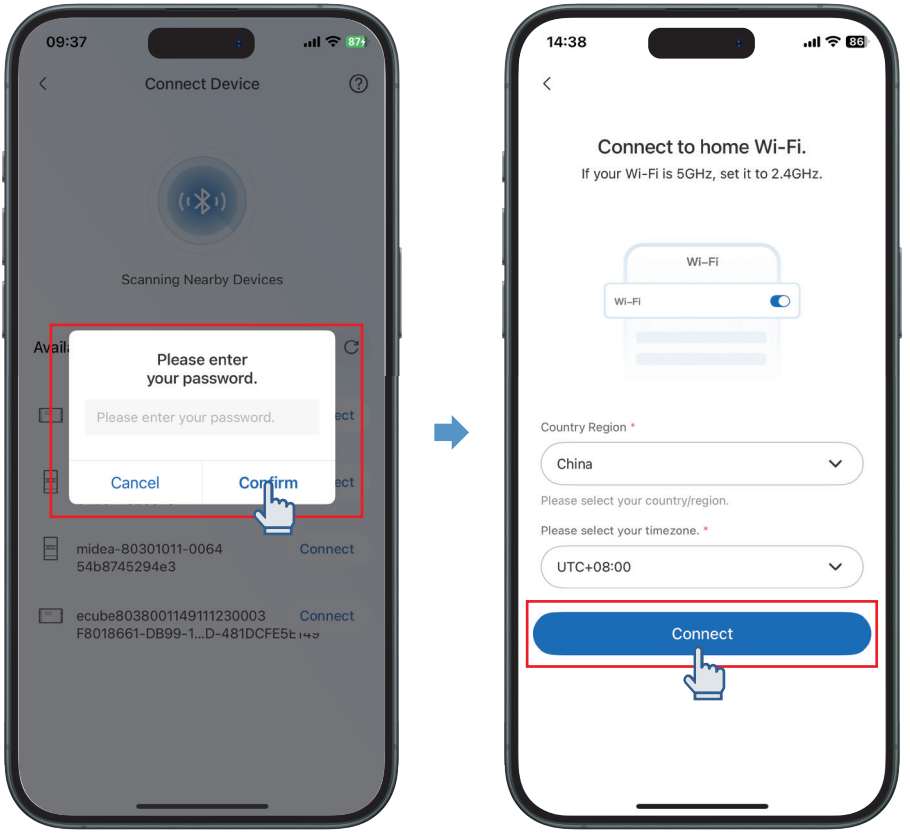
• Device Connection



1) Launch the app and tap **WLAN Settings;**

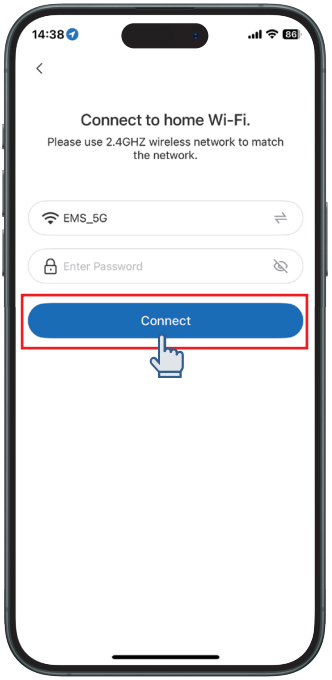
2) Device Connection interface pops up, and users can view nearby devices;

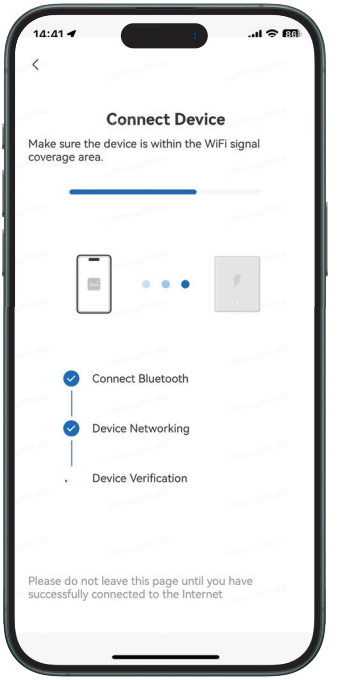
3) Identify device SN to choose the device, then click **Configure;**

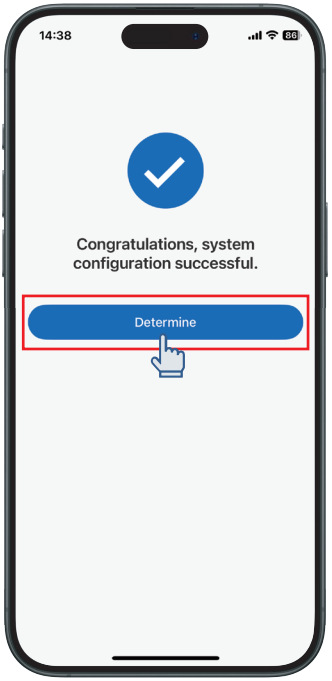


4) Input default paring password: **Hh0000, and click Confirm;**

5) We are ready to connect to home Wi-Fi. Choose your **Country/Region and Time Zone, Click Connect.**







6) Choose your home Wi-Fi and input the Wi-Fi password, and click Connect. The network connection page pops up and the device is attempting to connect to internet, please do not leave the current page;

7) After the connection is successful, the interface prompts that the network configuration is successful.

2 Parameter Configuration Function – Device Login

• Frequently Asked Questions (FAQ):

1) Unable to install the App

Possible Causes:

· The mobile phone operating system version is outdated;

· The mobile phone setting is blocking the installation of packages.

Solutions:

· Upgrade the mobile phone operating system;

· In the "Settings" > "Security" of the machine, check "Allow the installation of apps from unknown sources".

2) Communication failure & Failure to obtain data during operation & Bluetooth connection to the device is interrupted

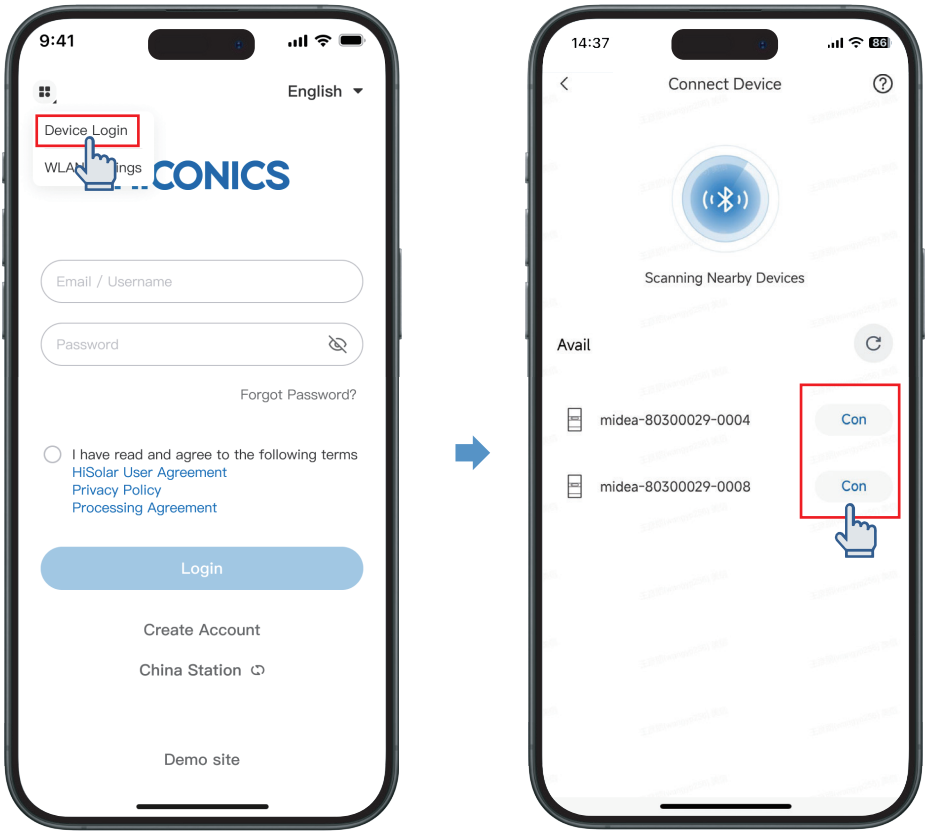
Possible Causes:

· The communication distance between the phone and the device is out of range.

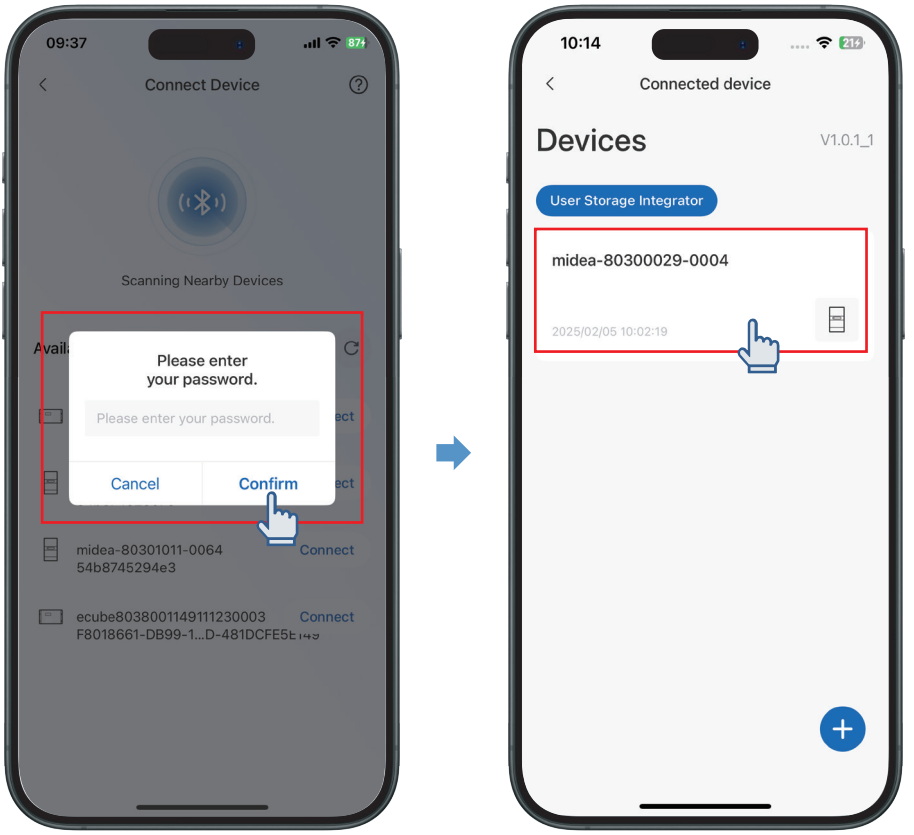
Solutions:

· Hold your phone close to the device and reconnect it.

2.1 Device Login

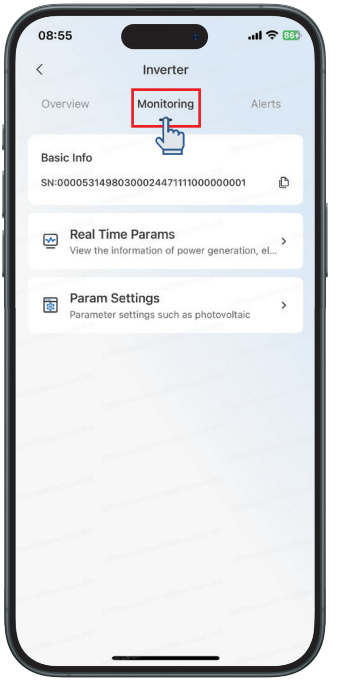


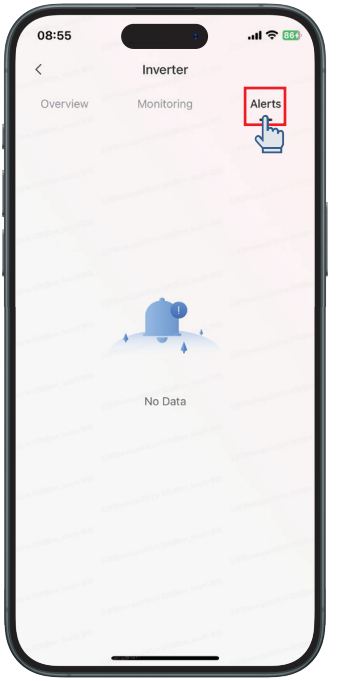
1) Select Device Login, and select the corresponding device by its SN and click Configure;



2) Input default paring password: Hh0000, and click Confirm and enter the device information page.

2.2 Viewing System Data on the App





After entering the device details page, users can view system data, alarms and other information in the device details page;

1) On the overview interface, you can view the energy flow diagram and view the energy flow of the device;

2) The monitoring interface shows real-time parameters, full parameter setting entrances, internal debugging parameter entrances, etc.;

3) You can view detailed device alarm data in the data list displayed in the Alarm tab.

3 Registration & Login

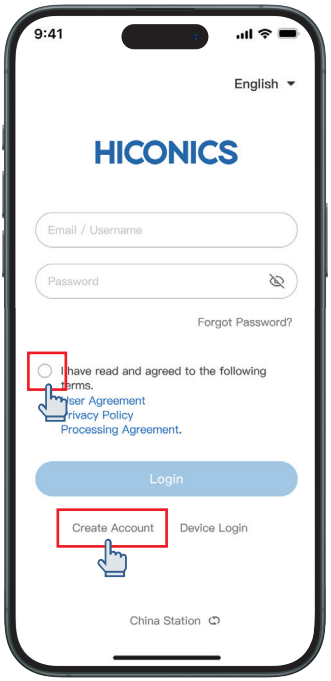
✓**Both Installers and Homeowners can register in M. ESS App.**

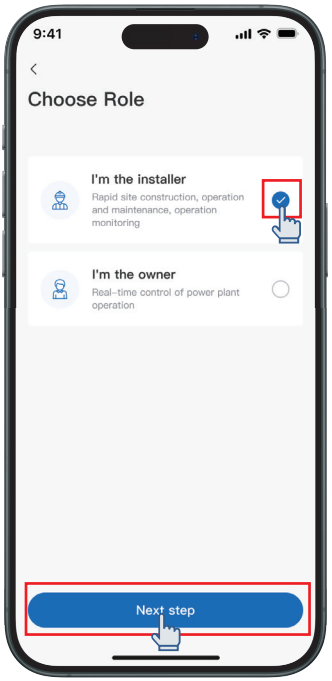
✓**Installer registration:**

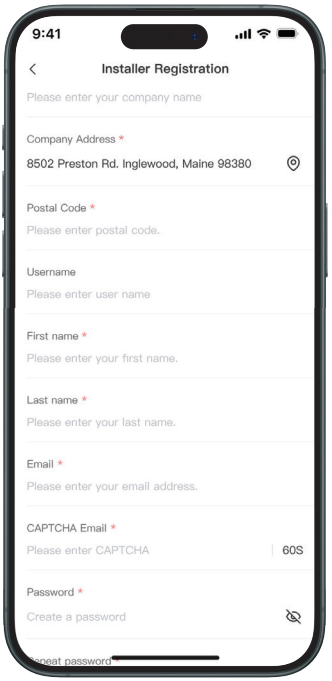
Step 1:Check the privacy policy, and click Create Account;

Step 2: Select I'm the installer;

Step 3: Input installer's detail information in the installer Registration tab.



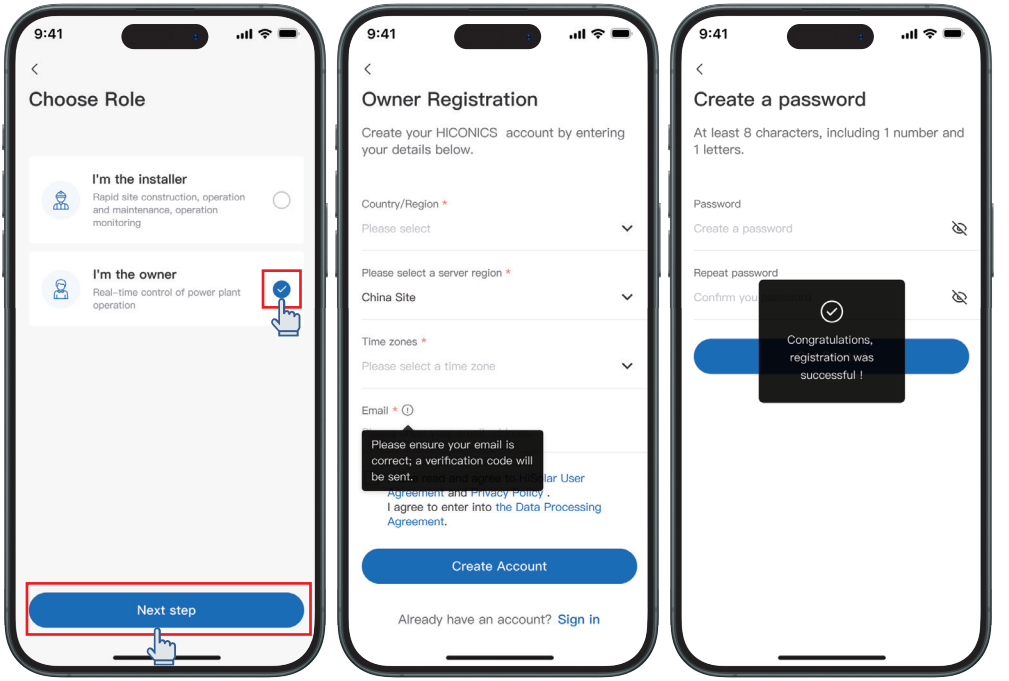




✓Homeowner Registration:

Step 1: Check the privacy policy, and click Create Account, then select I’ m the owner in the Choose Role tab;

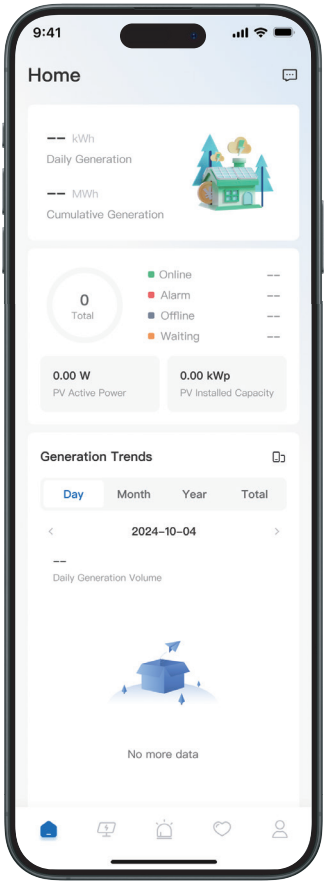
Step 2: Fill in the relevant information, and after email verification, the owner will be successfully registered.



✓User login:

Step 1: When the user registration is completed, you can enter the account and password on the login page, check the relevant agreement description, click the login button, and the login is successful;

Step 2: Once the login is complete, go to the app's home page.

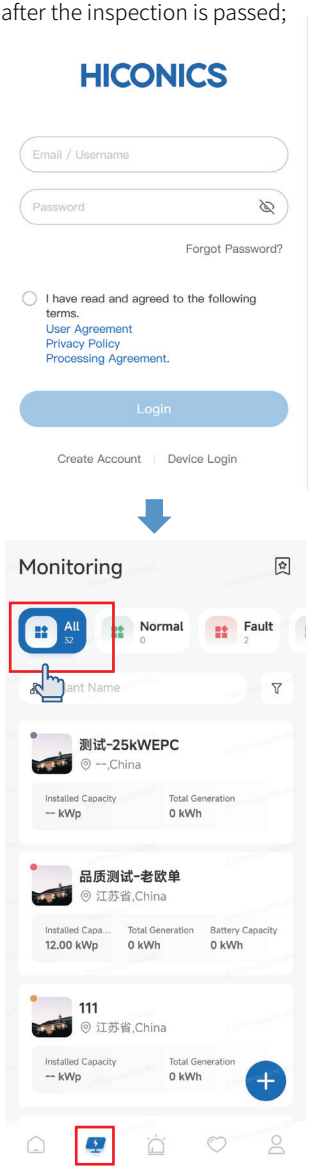


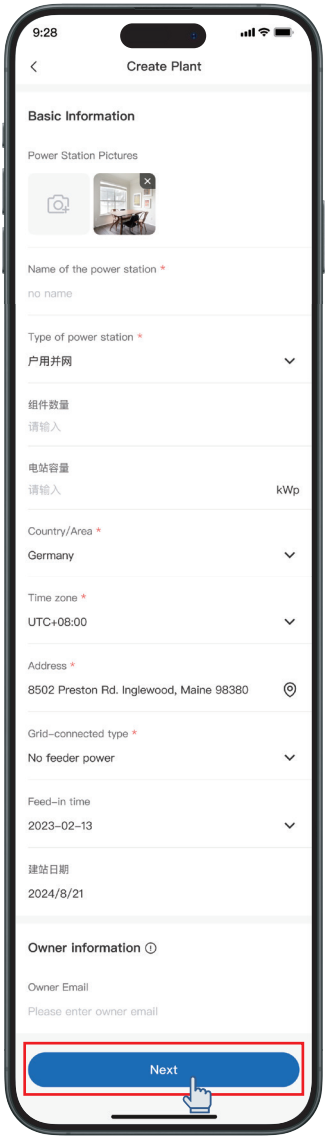
4 Create a Power Station

Step 1: The user enters the username and password and logs in to the App system;

Step 2: On the Power Station List page, users can click the New Power Station button;

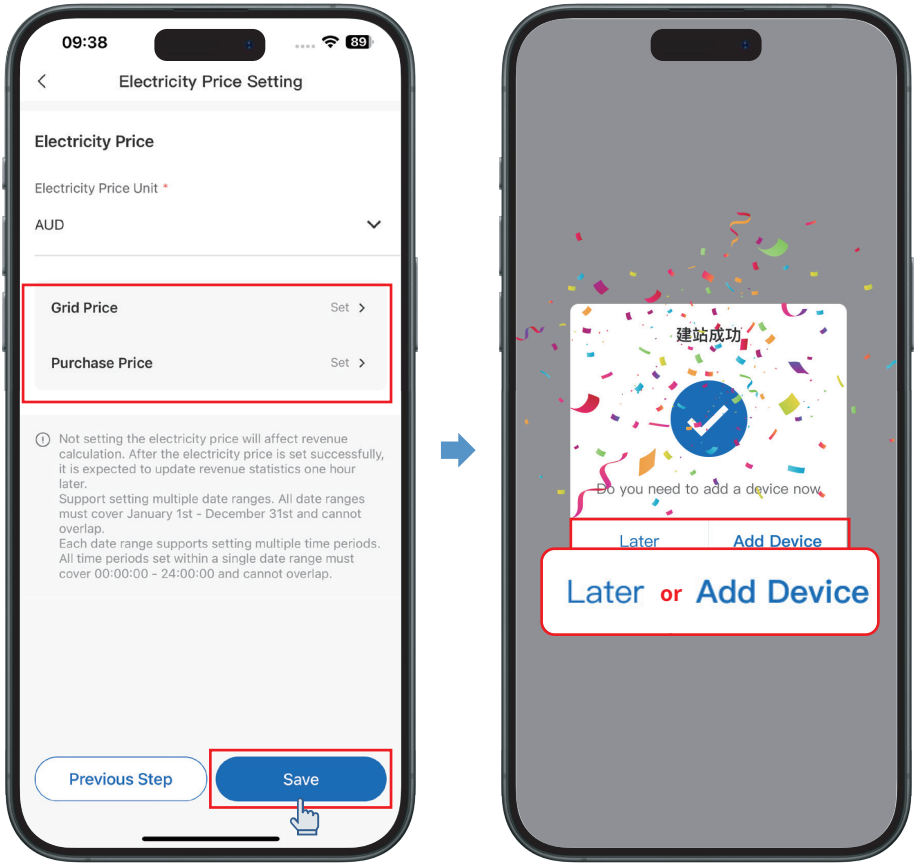
Step 3: On the Create Power Station page, enter the relevant field information, and click Next after the inspection is passed;



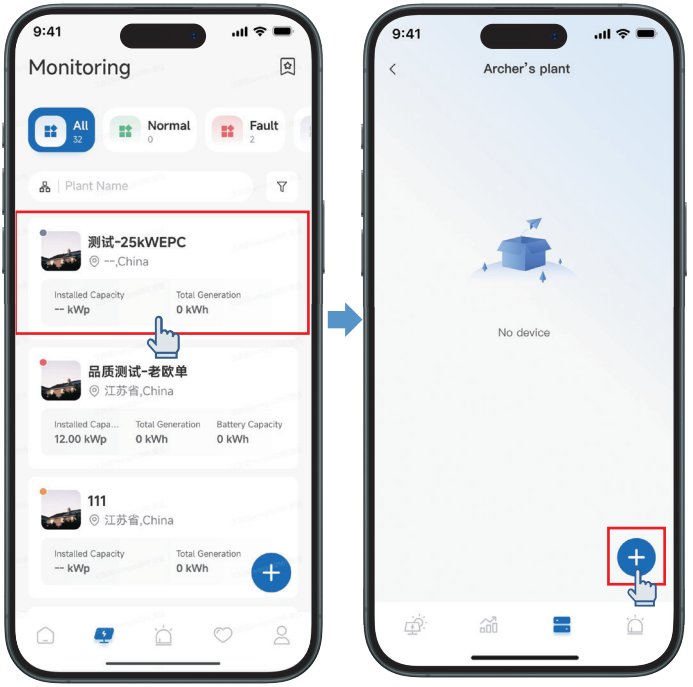


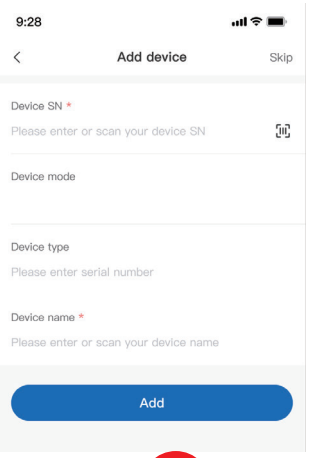
Step 4: The user can configure the electricity price information of the power station;

Step 5: After filling in, the interface prompts that the power station is successfully created, and the user can add the device directly or add it later.

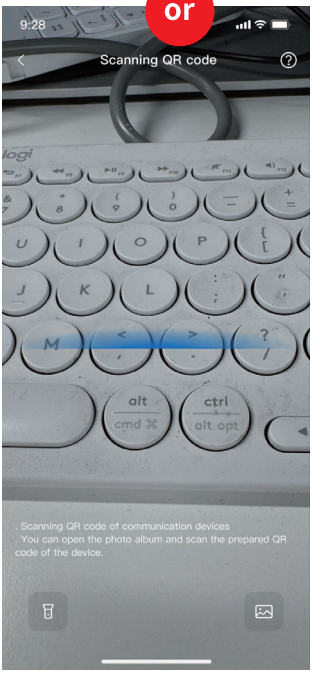


5 Adding Devices





or

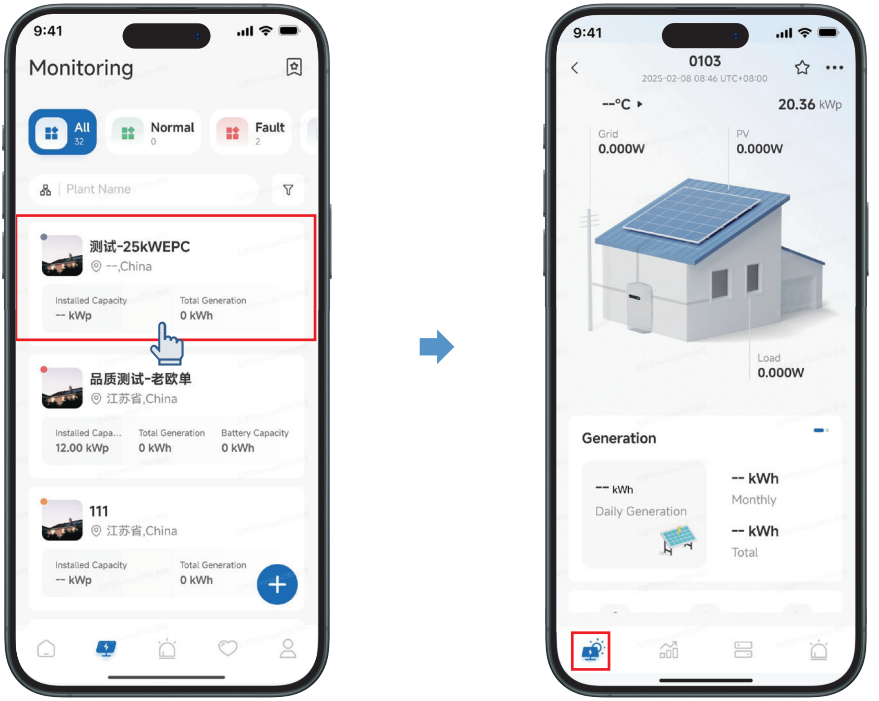


Step 1: Select your plant from the list, click Add Device at the lower right corner of the screen;

Step 2: Input device SN manually or scan device SN, and other device information, and click Add. The device will be visible in the device list once it is added successfully to the plant.

6 Single Power Station Page

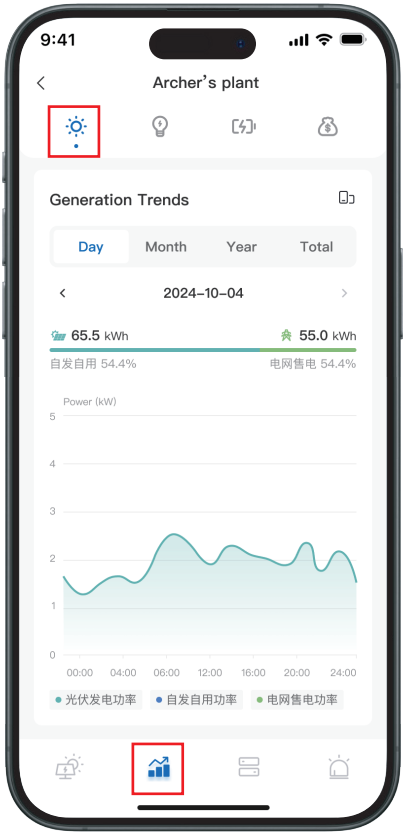
6.1 Single Power Station Page - Overview

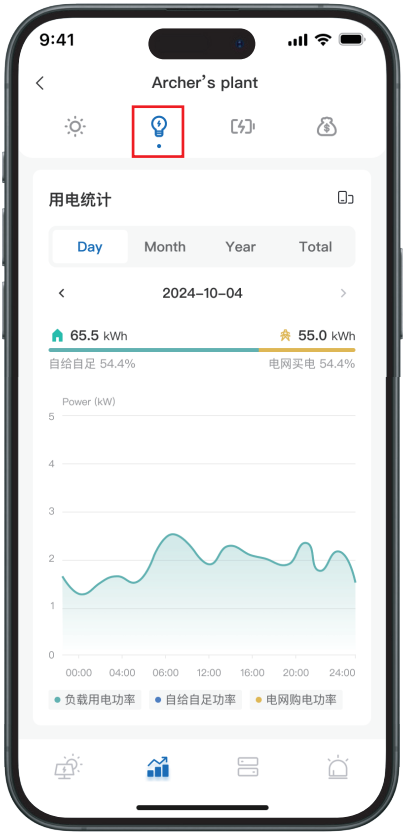


Users click on the list of power stations to enter the interface of a single power station; On the single-power station interface, users can view the energy for energy storage scenarios volume flow diagram, power generation, environmental contribution index; Among them, the energy flow diagram can view the energy flow of PV, battery, power grid, and load;

6.2 Statistical Analysis of the Single Power Station Page - Curve

On the single power station page, users can click the Curve Analysis tab to view power generation statistics, electricity consumption statistics, power storage statistics, revenue statistics, etc., as shown in the following figure:





· Power generation statistics:

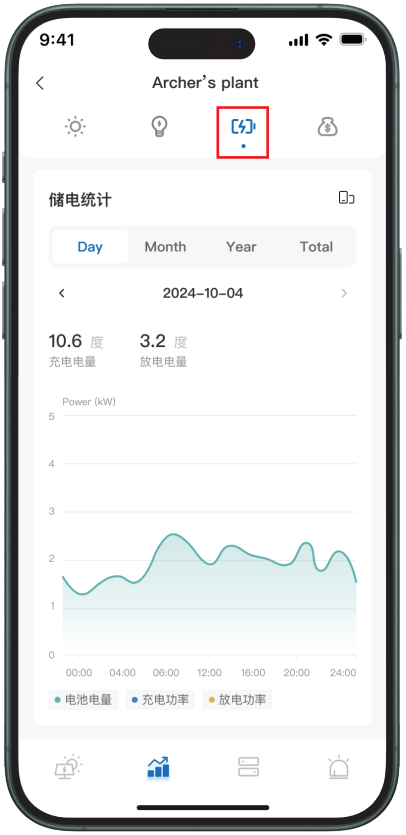
Daily dimension: photovoltaic power generation power, self-consumption power, power grid sales power;

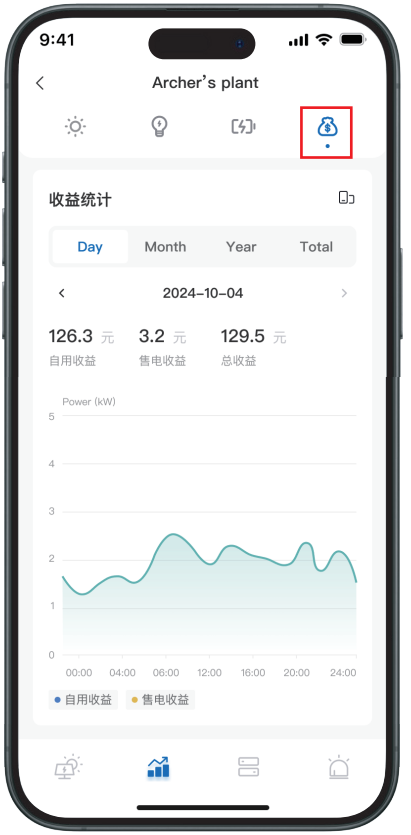
Monthly/yearly/total dimensions: photovoltaic power generation, self-generated and self-consumed electricity, and electricity sold by the grid;

· Electricity Consumption Statistics:

Daily dimension: load power consumption, self-sufficiency power, grid power purchase power;

Monthly/yearly/total dimensions: load electricity consumption, self-sufficient electricity consumption, and power grid power purchase;





· **Electricity storage statistics:**

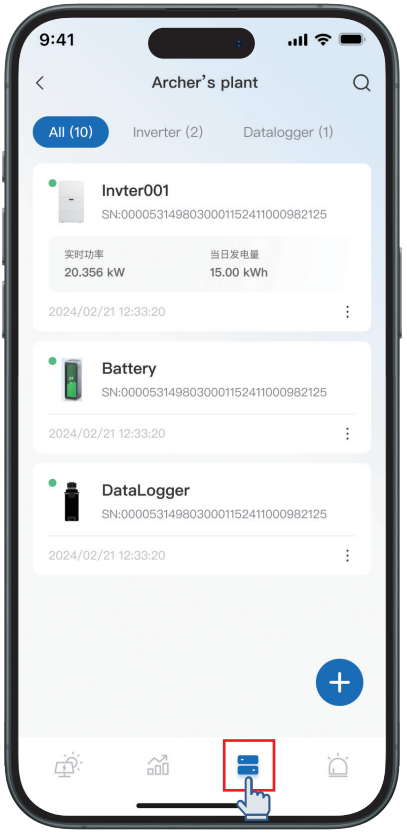
Daily dimension: battery power, charging power, discharge power; Month/Year/Total dimensions: Charging capacity, discharging capacity;

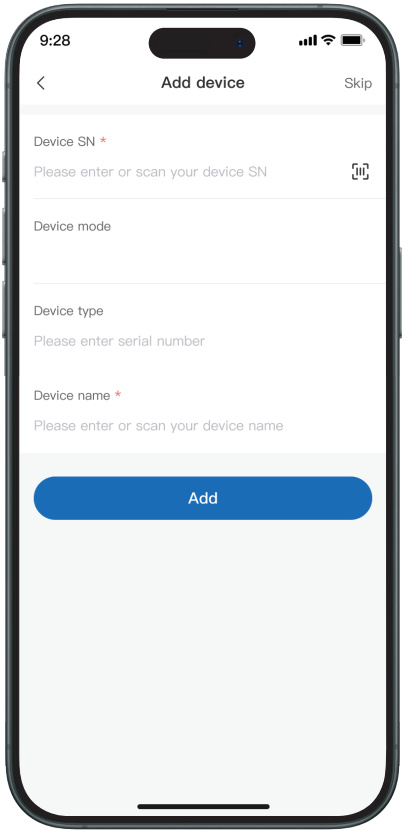
· **Earnings Statistics:**

Day/Month/Year/Total dimensions: self-consumption income, electricity sales income.

6.3 Single Power Station Page - List of Devices

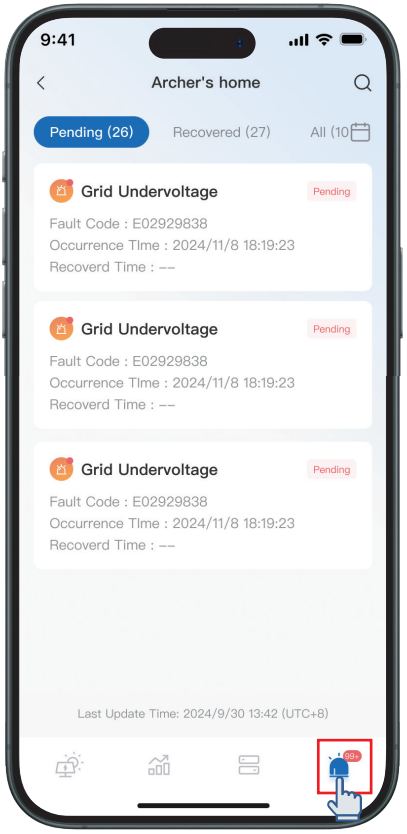
On the single power station page, users can click the device list tab to view the devices bound to the power station. The interface provides an entrance to add a device, supports device search, and clicks on the device list to enter the device details interface:



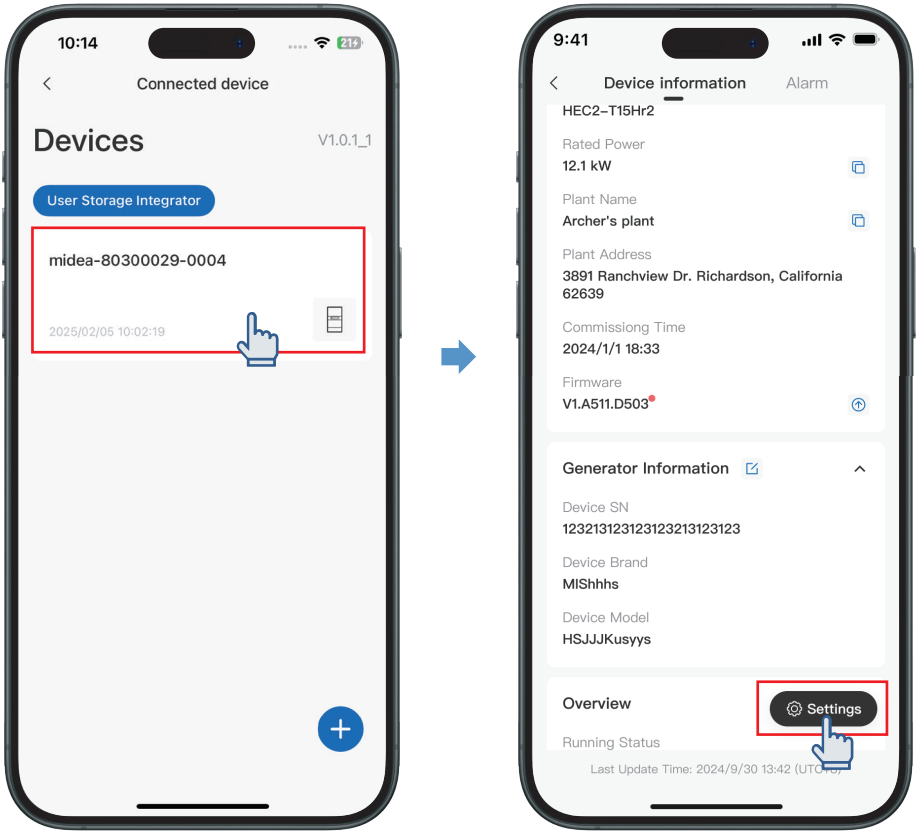


6.4 Single Power Station Page - Alarm List

On the single power station page, users can click the Alarm tab to view the alarm data of the devices in the power station, and provide alarm search and alarm filtering functions in the alarm list:

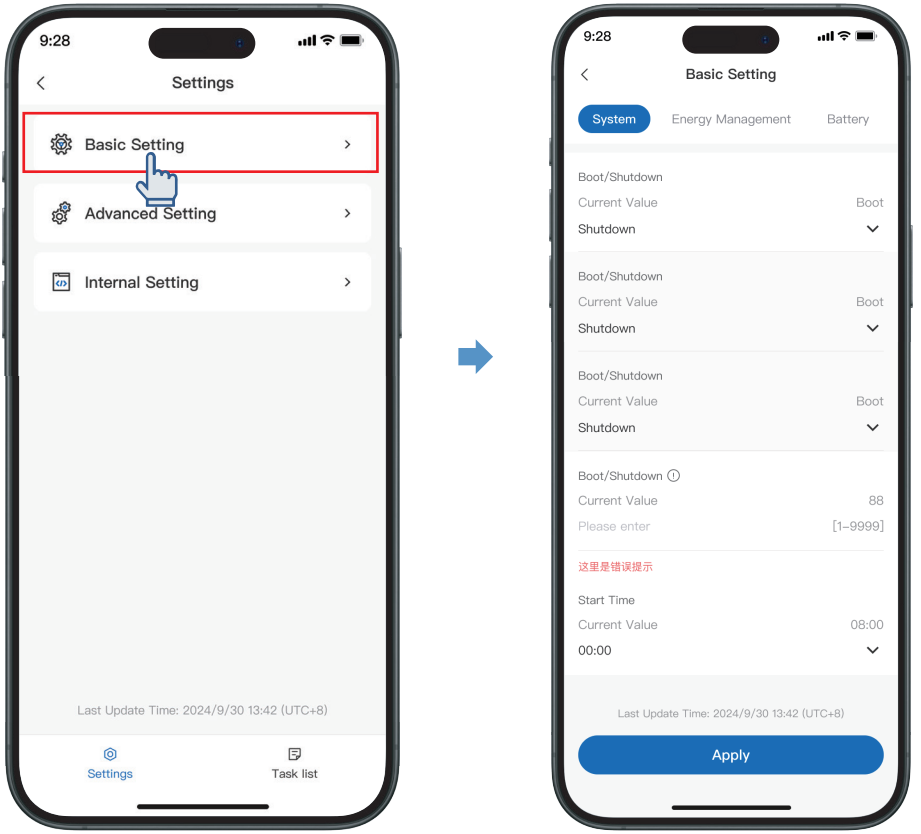


7 Device Remote Control



1) The user clicks on the device list, and the interface jumps to the device details interface;

2 In the device list interface, users can click the settings button, and the interface jumps to the settings interface;



3) Users can set basic settings, advanced settings, internal settings, and remote control of points.

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