

ESYSUNHOME APP Manual

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Made in China

CE RoHS

ESY Sunhome Co., Ltd

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ESYSUNHOME APP is a data monitoring platform for ESYSUNHOME products. You can use it to conveniently manage the operation of the inverter system. This manual will instruct you on account registration, device linking, and network setup, and other operations.

ESYSUNHOME APP features include: viewing inverter status and power generation data; real-time viewing and switching of inverter operation modes; scheduling inverter operation modes; turning on/off operations, etc.

User permission: End users of the inverter.

1. Account Registration

1.1 Download the App

Please search “ESYSUNHOME” and download it from Apple Store or Google Store.

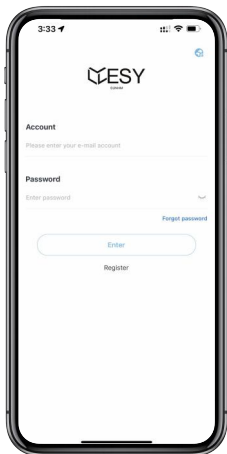


iOS



Android

1.2 Registration Page

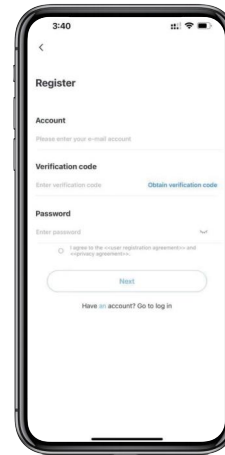
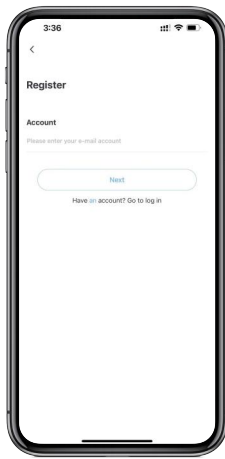


Please tap the Register button below to access the registration page.

01

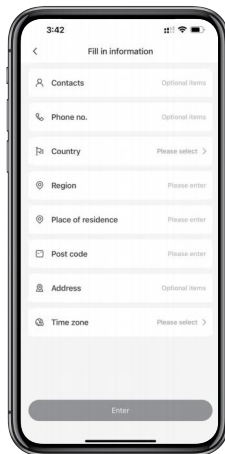
1.3 Registration Process

Please fill in your correct email address and tap the "Next" button.



Enter the verification code and password and check the user registration agreement and privacy policy. Then, tap the "Next" button.

Please provide detailed information to enable us to offer you timely and effective technical support. Tap the "Enter" button to access the APP page.

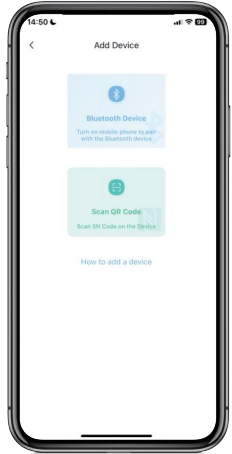


02

2. Link Device

2.1 Install New Device

Please install the device according to the above instructions and ensure the device works properly.



2.2 Add New Device

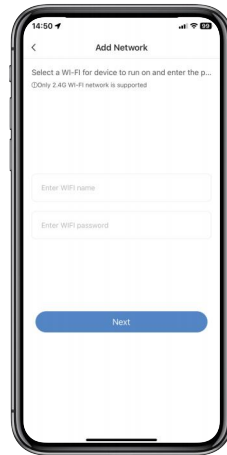
Open the APP, tap “My Device” and “Add device”, and select Bluetooth or scan the SN code to pair the device.

You can scan the QR code of WiFi-IOT Pro to get the SN code.

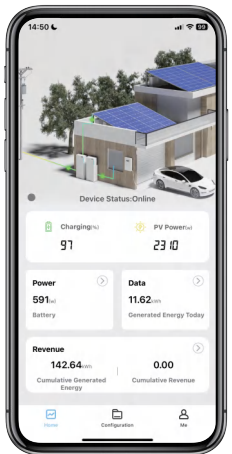
2.3 Device Network Configuration

Open the APP, log in to the account, tap “Me” and configure the network for the device. The APP will request you to give Bluetooth permission. Once you have given the Bluetooth permission. Tap “ESYSUNHOME_ + SN code” and enter your WiFi name and password in the pop-up interface. Tap “Next” to configure the network, as shown below.

Return to the home page of the APP, and wait for a moment to view the system data.



3. Data Monitoring



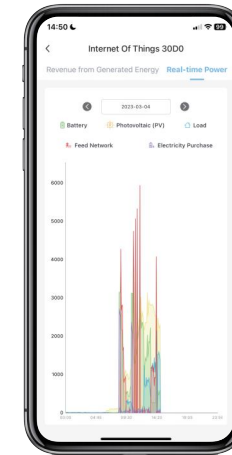
3.1 3D Scene Graph

After successful device linking, when entering the app homepage, you can see a 3D scene diagram containing the grid, load, and photovoltaic elements. The direction of the green cursor movement represents the direction of energy flow, allowing you to see the real-time status of the entire system in this diagram.

03

3.2 Energy Flow Diagram

Tap the 3D scene graph to enter the energy flow interface, which shows the energy flow direction and real-time power of the PV module, power grid, battery and load, as well as other important information such as battery status, self-consumption ratio, and proportion of sold electricity.



4. Data Statistics

4.1 Real-time Power

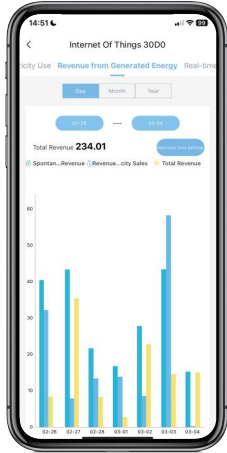
Tap "Power" on the home page to enter the real-time power display interface. In the statistical chart, you can see the real-time power of the battery, PV module, load, sold power and purchased electricity in the curve form. You can also view the one-day real-time power curve.

4.2 Electricity Consumption Data

Tap “Data” on the home page to enter the electricity consumption data interface. The statistical chart displays bar graphs of daily, monthly, and yearly electricity consumption, load capacity, PV power generation, grid power sold, and purchased electricity. You can view the details by tapping on the respective items.



04



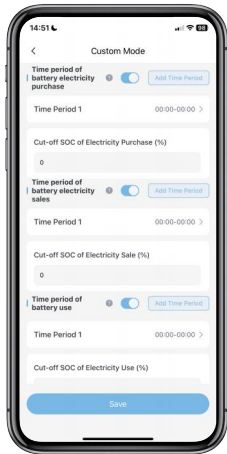
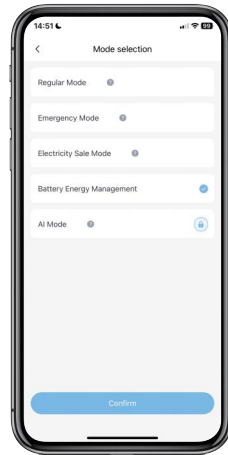
4.3 Revenue Data

Tap "Revenue" on the home page to enter the revenue display interface. In the statistical chart, you can view the daily, monthly, and yearly data, including the revenue of power generation, the revenue of sold electricity, and average revenue. Tap the bar charts to see the details. Tap the electricity price settings to set the electricity purchase and sales prices for different time periods in a day. If you do not change settings, the price will be 1 by default.

5. Inverter Control

5.1 Mode Switching

Open the client APP, log in and enter the home page. Tap the 3D scene graph to enter the energy flow diagram page. The current working mode will be shown in the upper left corner. You can tap it to enter the mode list and select an appropriate mode.



5.2 Batter Energy Management

Tap the battery energy management options in the column of the mode list. You can set the battery's electricity purchase time, electricity selling time, and service time based on your electricity needs. The electricity purchase time of the battery refers to when electricity is bought from the power grid to recharge the battery when the PV is insufficient for battery charging. The electricity selling time of the battery refers to when the electricity of the battery is sold when the PV electricity is insufficient for sales at the maximum output power of the system.

6. Remote Monitoring

The system employs WiFi-IOT PRO to facilitate remote data monitoring. This WiFi dongle can establish an internet connection by connecting to the user's router. Users will link their devices on the app and configure the network. Once the configuration is successful, data from the HM Series inverter will be transmitted to the cloud through WiFi-IOT PRO. The cloud then relays the data to the user's app, enabling real-time data remote monitoring.

7. OTA Upgrades

We can perform Over-The-Air (OTA) upgrades for user devices through the management interface. This includes WiFi-IOT PRO, inverters, and batteries, all of which support OTA upgrades. By sending upgrade packages from the cloud to WiFi-IOT PRO, the inverters or batteries will be upgraded automatically.