

AC Couple User Manual

1. APP Download

1. **Android download:** Google Play

2. **iOS download:** APP Store

Download link:

<https://eu.hamedata.com/ems/apk/marstek/index.html>

QR code download :

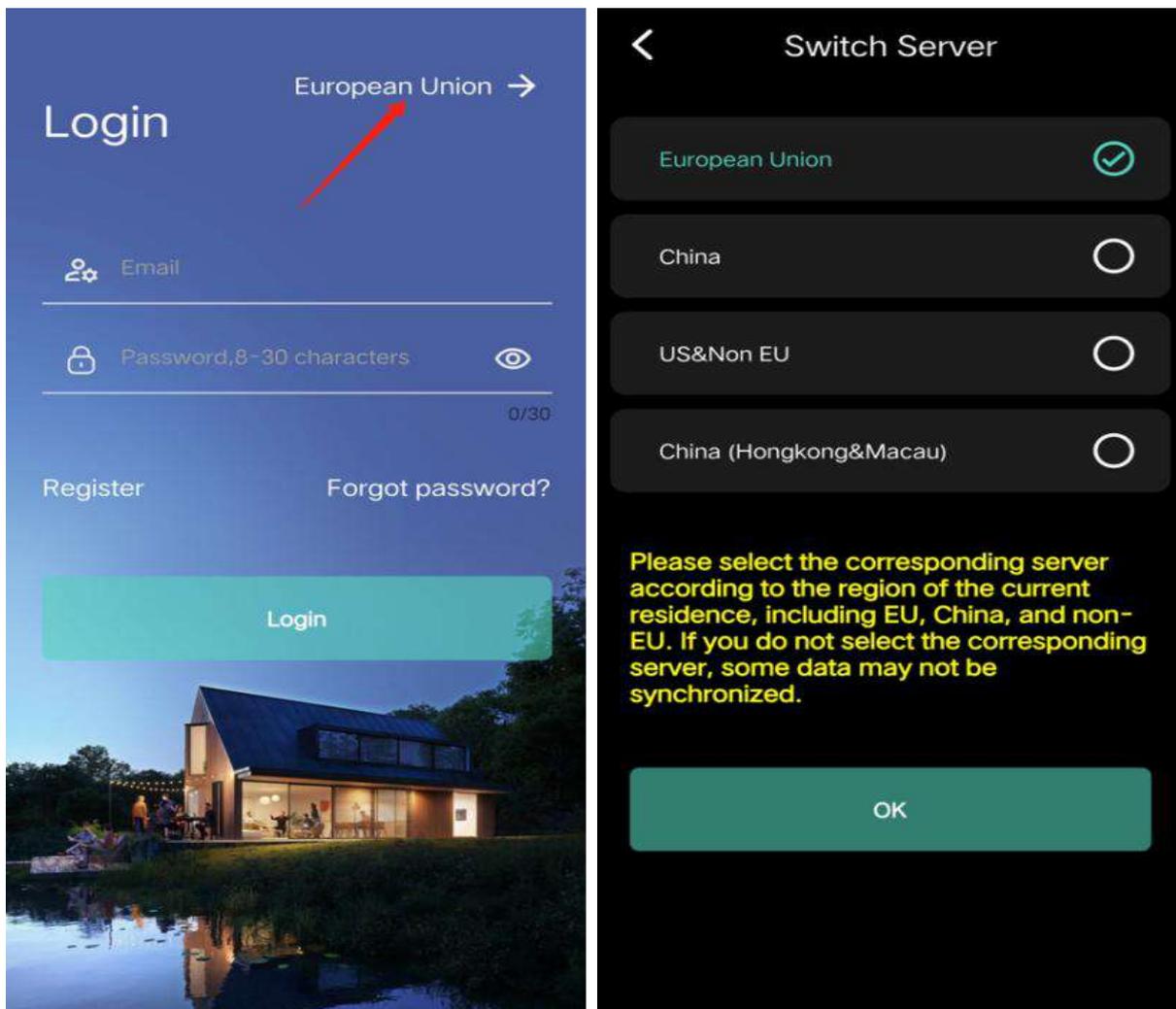


2. Account Registration/Login

1. Select a server

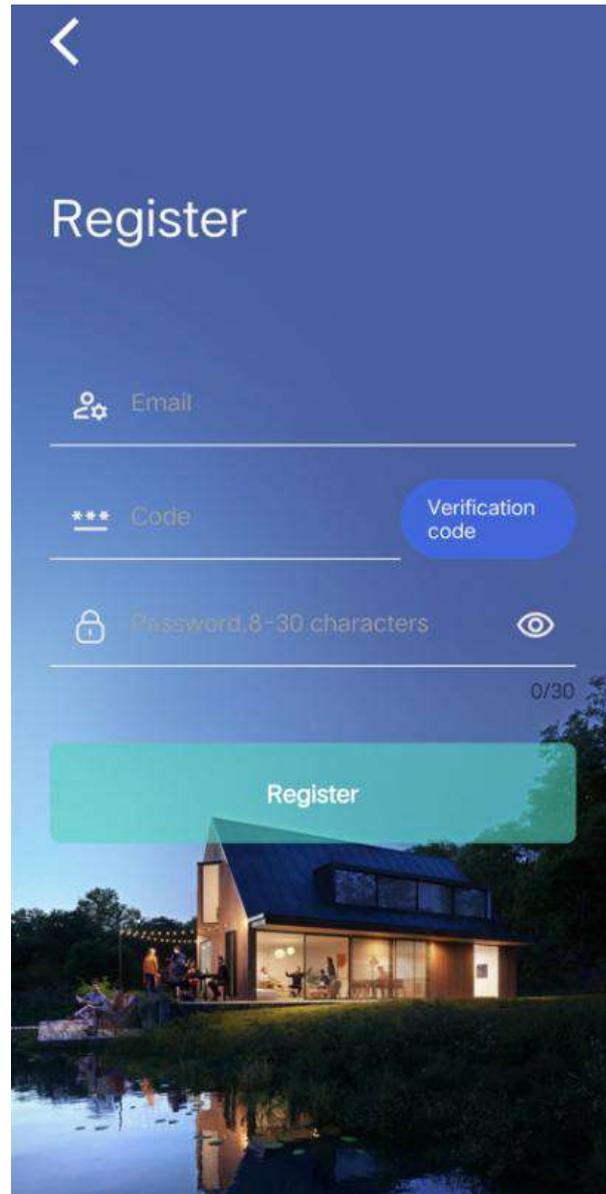
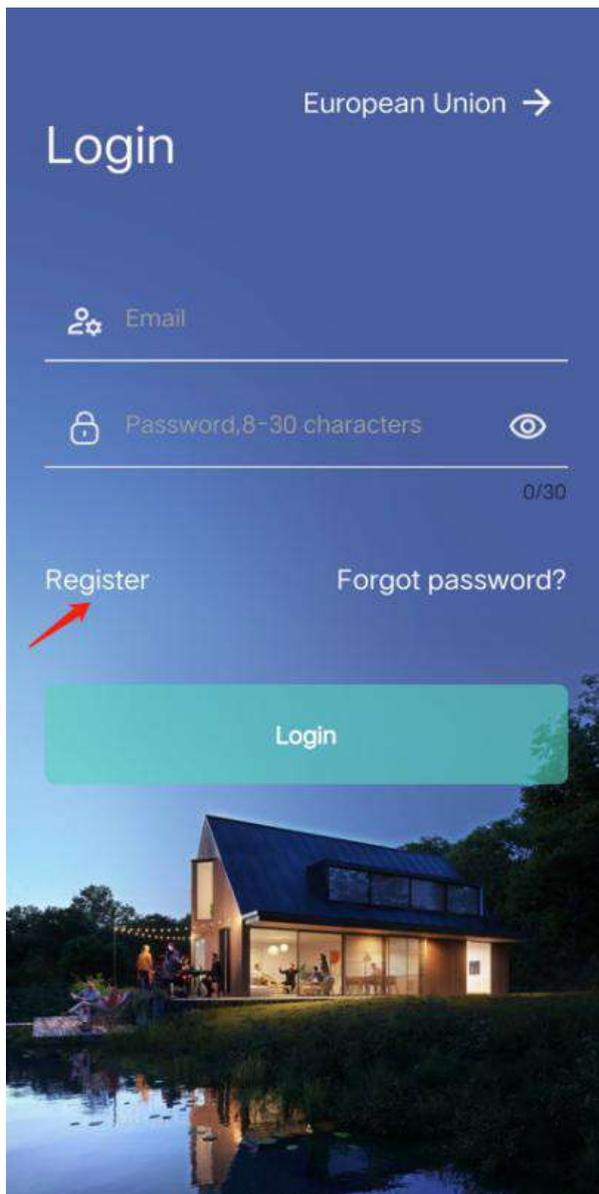
Select the server corresponding to the region where the device is located, click the [OK] button after selection, and enter the login page. The upper right corner of the login page is the entrance to

switch servers, which can be clicked to change;



2. Registration

Enter your email address, verification code and password (length must be 8-30 bytes) as required; click the [Register] button to complete the registration. After successful registration, a prompt box will pop up indicating successful registration and the user will automatically return to the login page.



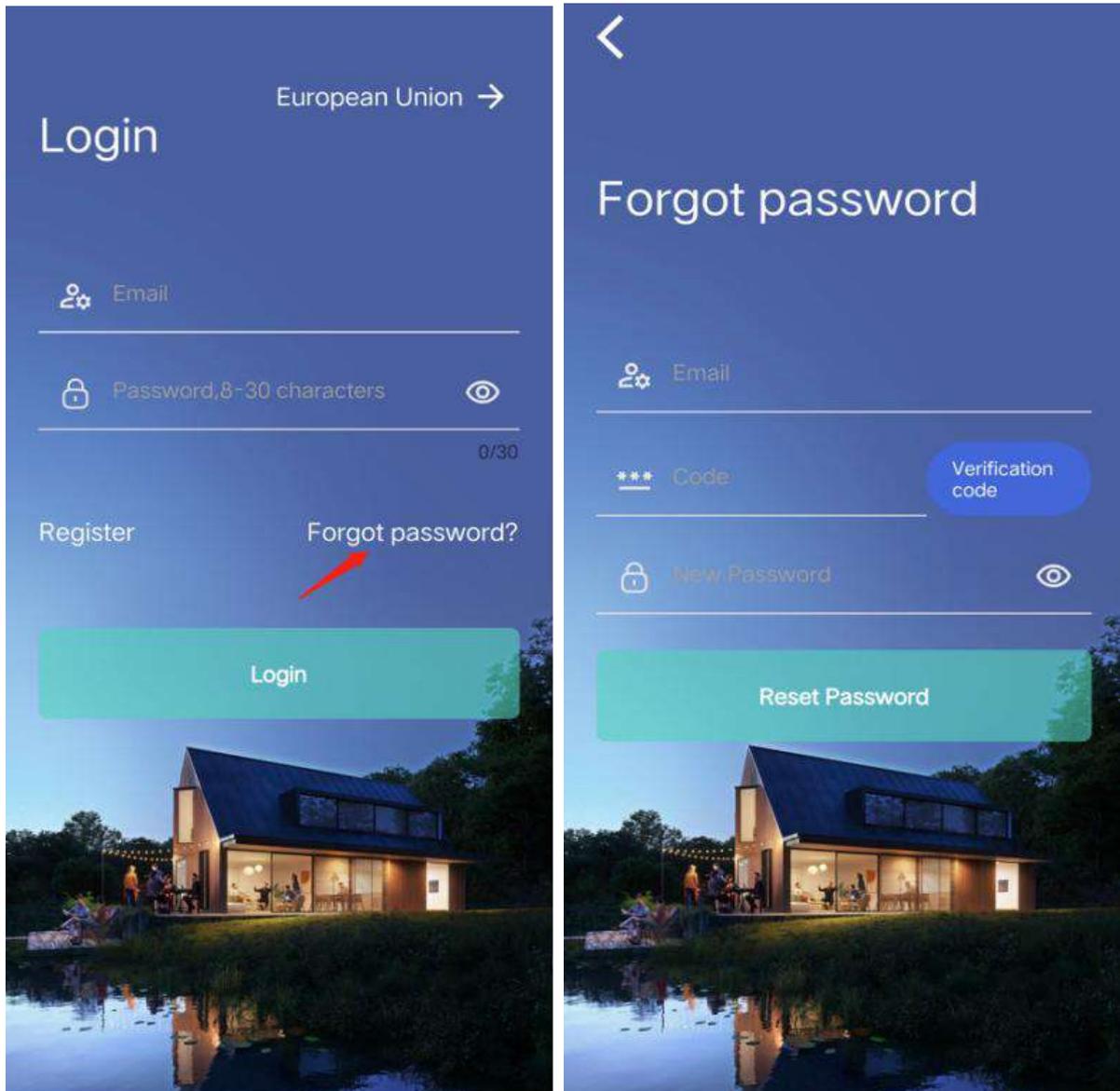
3. Login

Enter the registered email address and password, click the [Login] button, and the login is successful;

Note: The server selected in the upper right corner of the login page must be consistent with the server of the account logged in. If you register an account under a certain server, select that server to log in. Accounts on different servers cannot communicate with each other.

4. Forgot your password

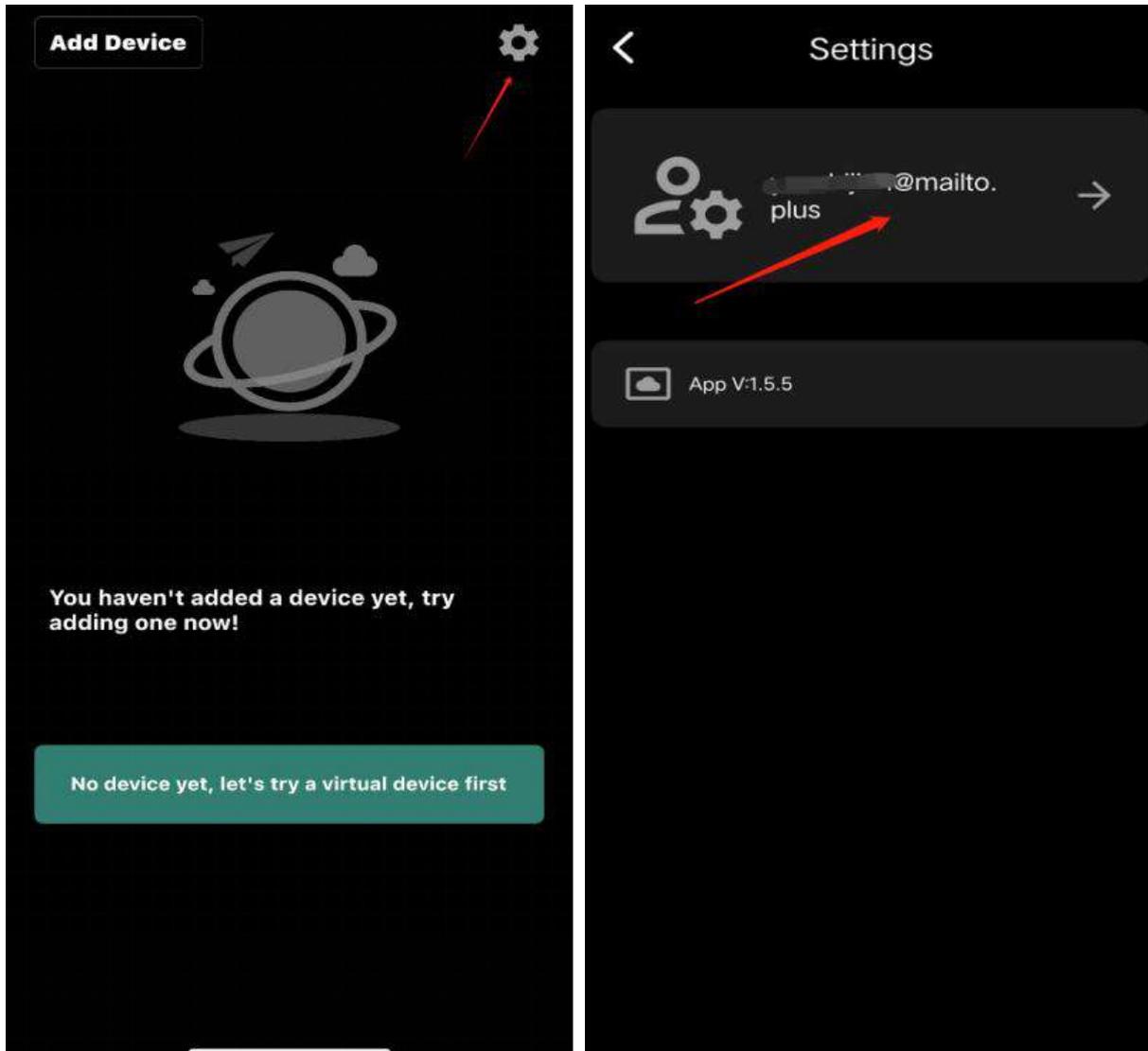
There is a [Forgot Password] entry on the login page; enter your email address, verification code and new password (8-30 bytes), click the [Reset Password] button, and after the reset is successful, you can log in with the new password;



5. Account Management - Change Password/Logout/Log Out

After successful login, jump to the homepage and click the

[Settings] button in the upper right corner to enter the settings page; click the email address to enter the account management page, where you can perform the following operations on the account;

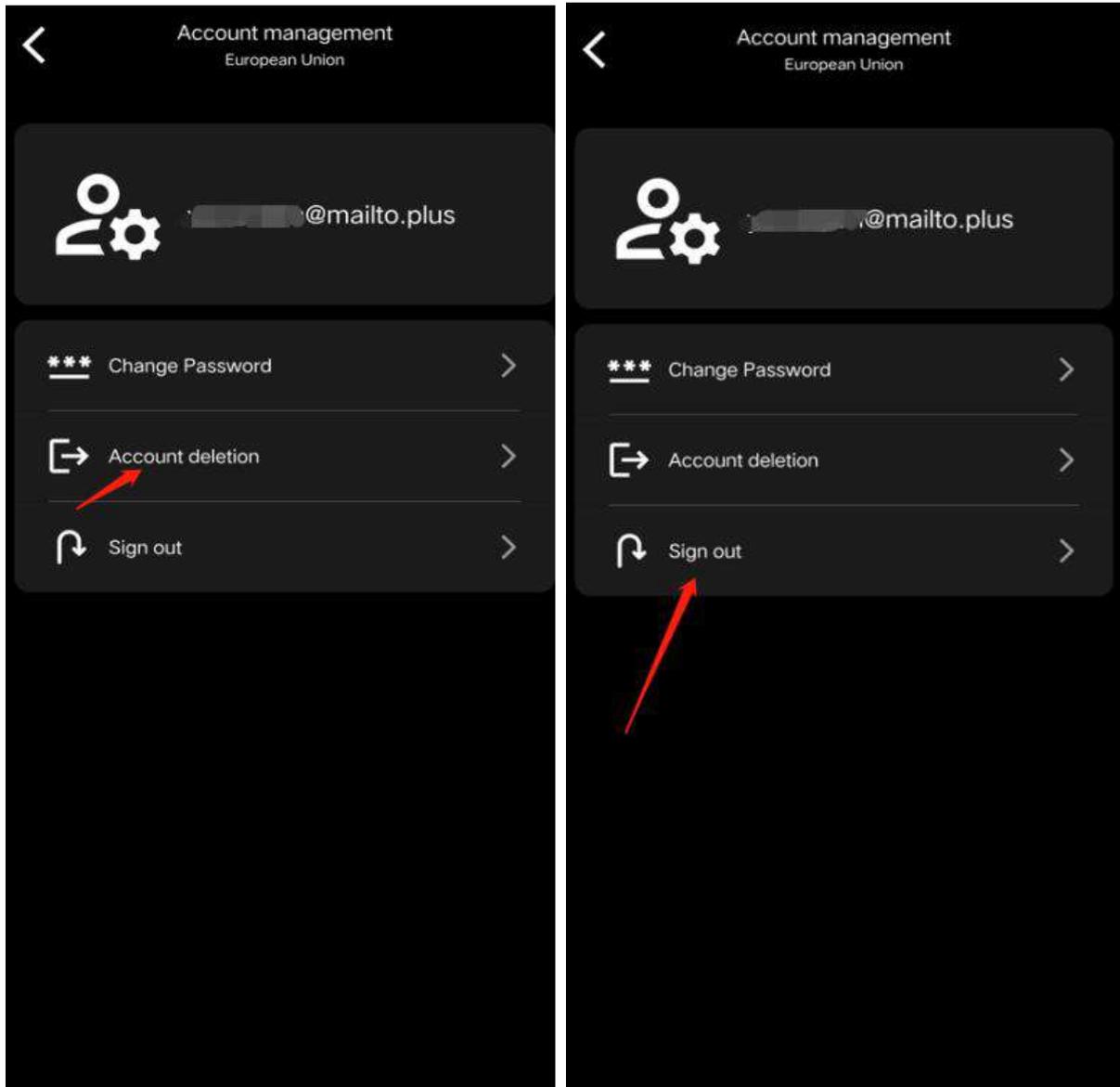


Change password: Enter the email address, original password and new password (8-30 bytes), click the [Change Password] button, and a message will pop up indicating that the password has been successfully changed. You can use the new password to log in next time.

Log out: Click [Log out] to log out of your account. You will need to log in again the next time you enter the app.

Cancel account: Enter your email address and password, click

the [Account Cancel] button, and you will be prompted that your account has been cancelled. The cancelled account cannot be logged in again and needs to be re-registered



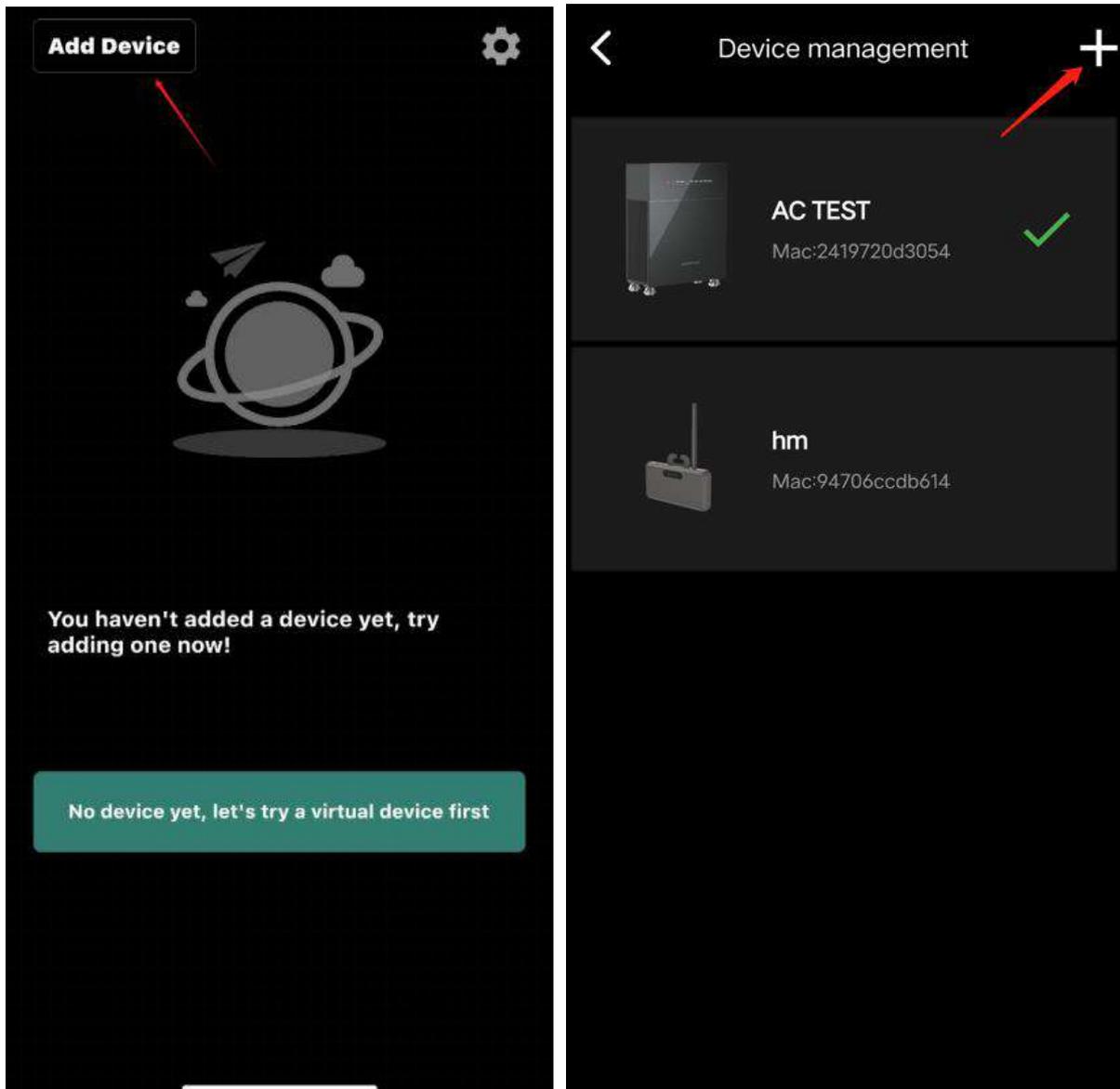
≡、 Add a device

1. Add an entry

If the account has not added any device, there is an [Add Device] button in the upper left corner of the homepage;

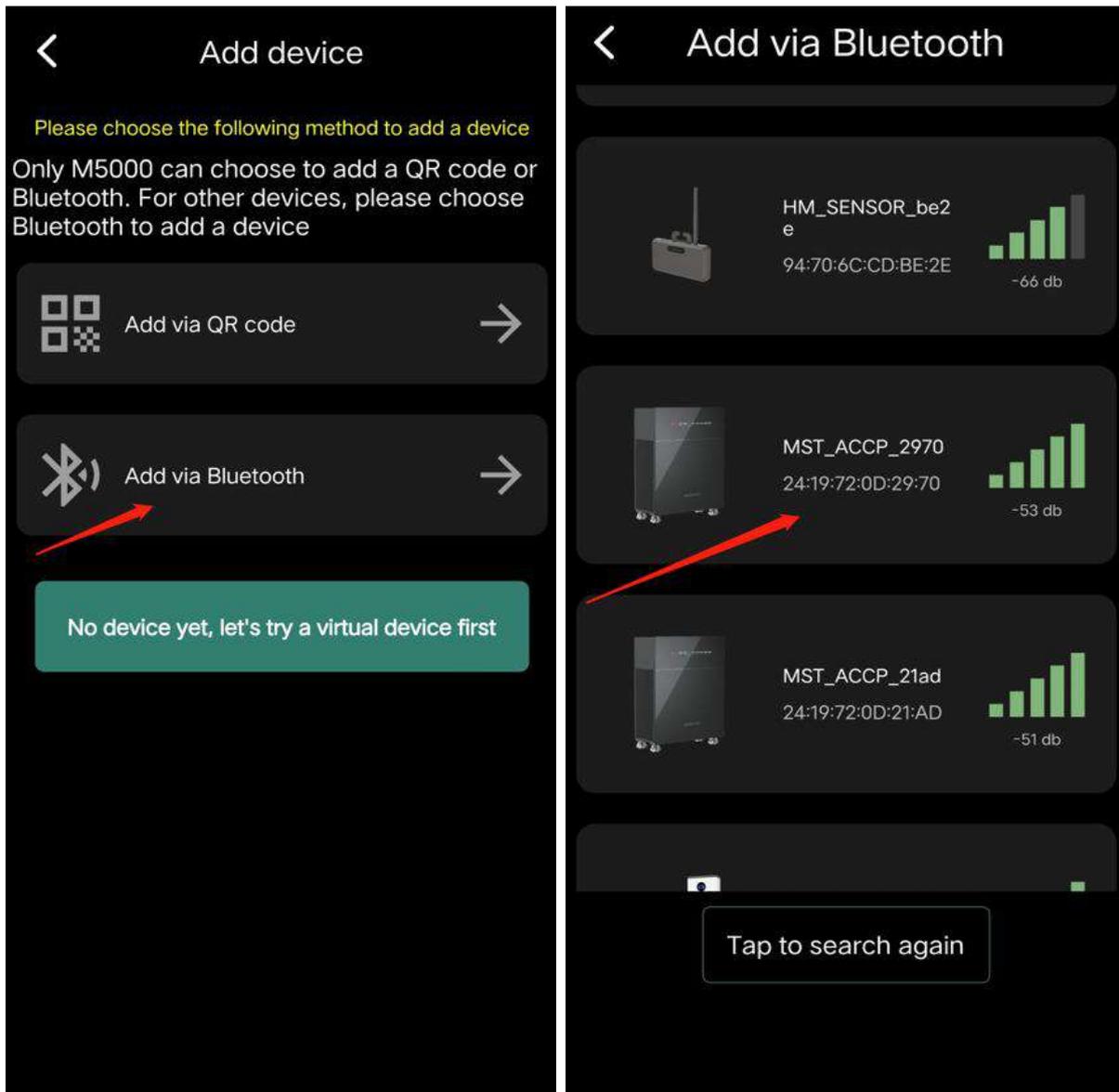
If the account has added devices, there is a + button in the

upper right corner of the device list. Both entrances can enter the device adding page;



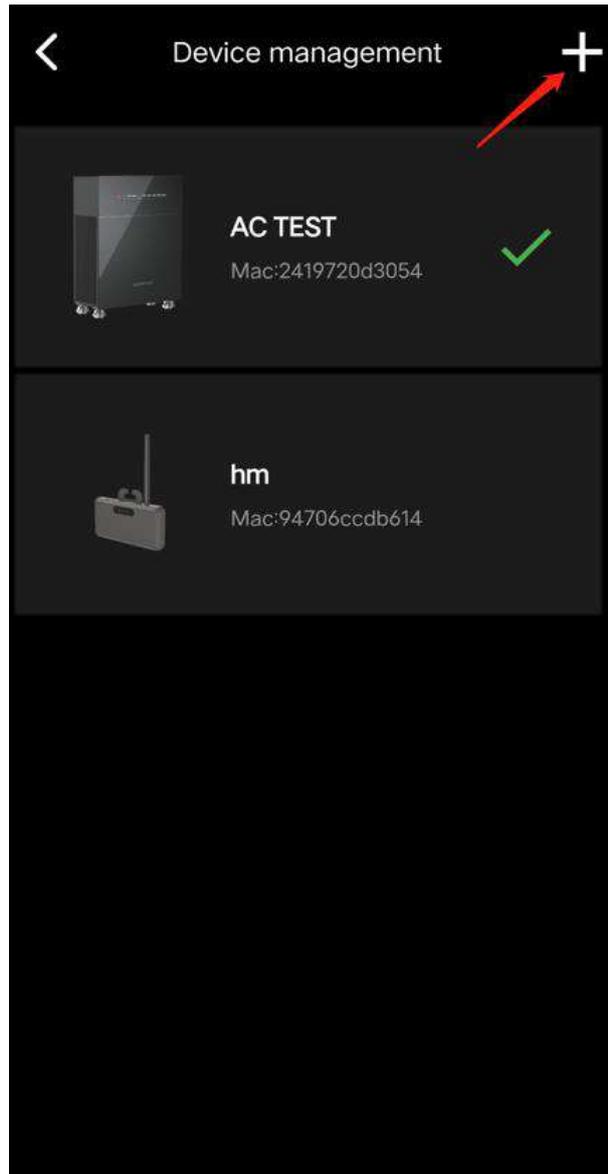
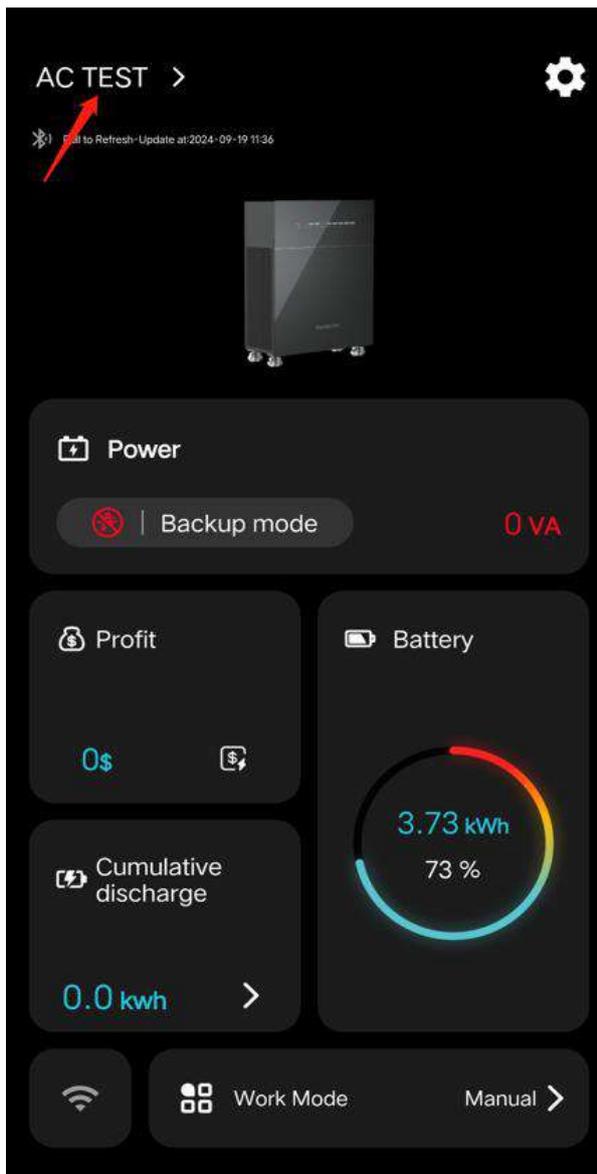
2. Add method

The APP has two ways to add: [QR code] and [Bluetooth]. AC Couple currently only supports Bluetooth addition ;



3. Equipment List

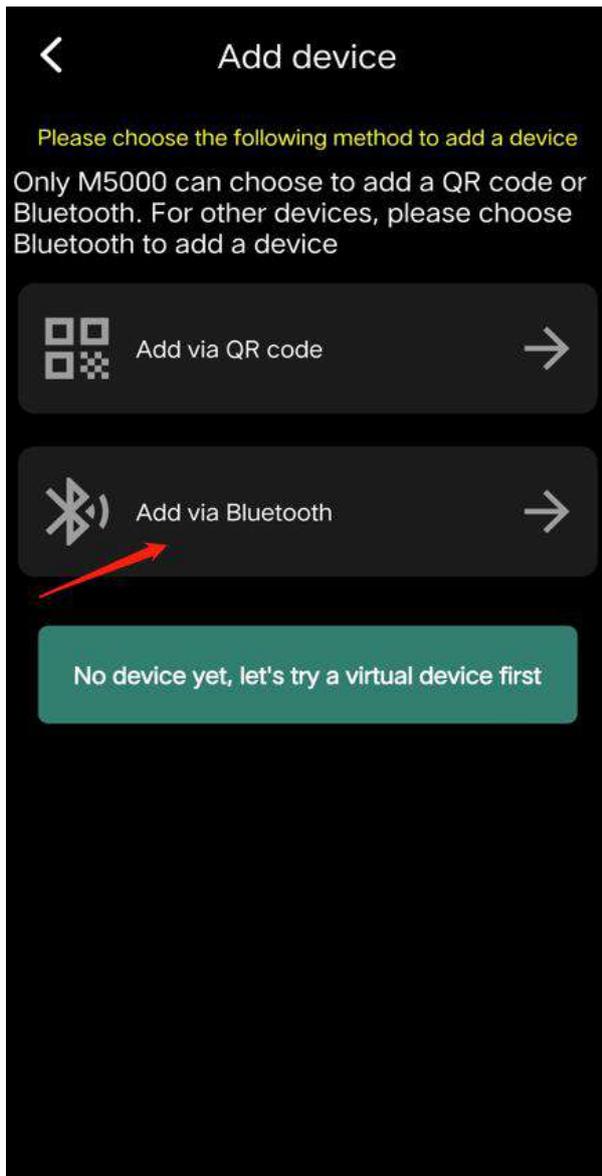
After binding the device, click the device name to go to the device list. One account can add multiple different devices;

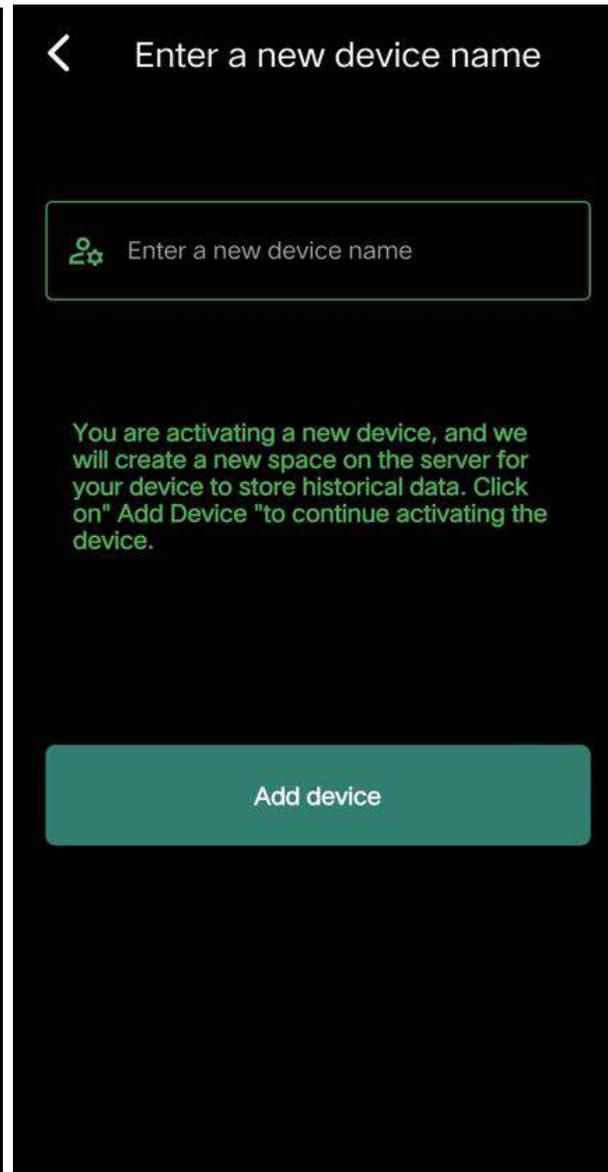
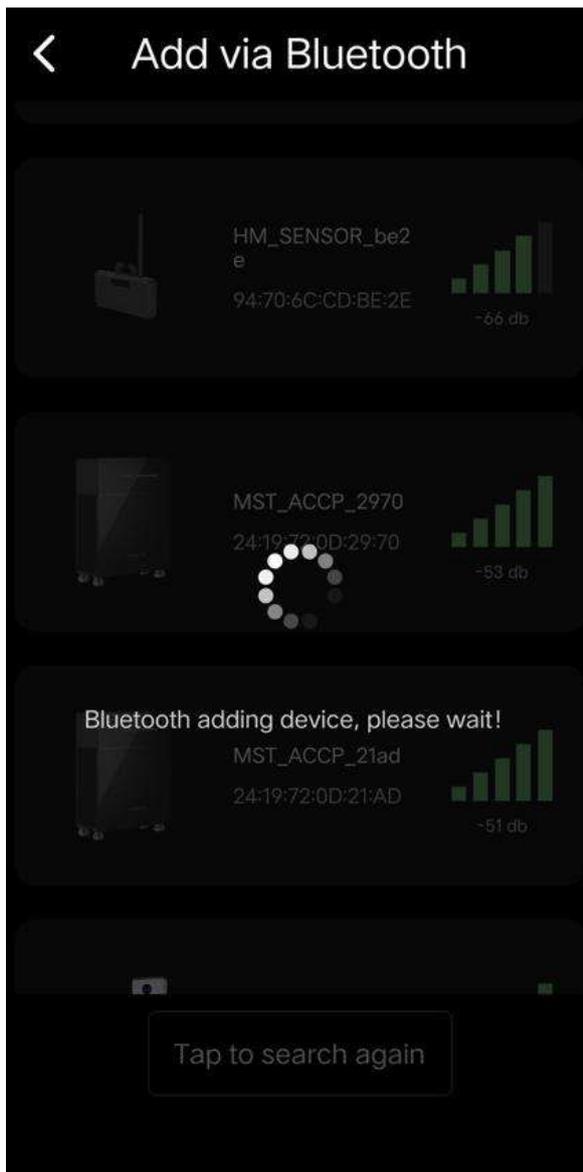


4. Add a process

1. Add Bluetooth

Click Bluetooth Add to jump to the Bluetooth Add page; the list is the devices scanned by Bluetooth , click the device to be added, and after loading, jump to the naming page (the name is not recommended to be too long), enter the name and click the [Add Device] button, and the device is successfully bound;



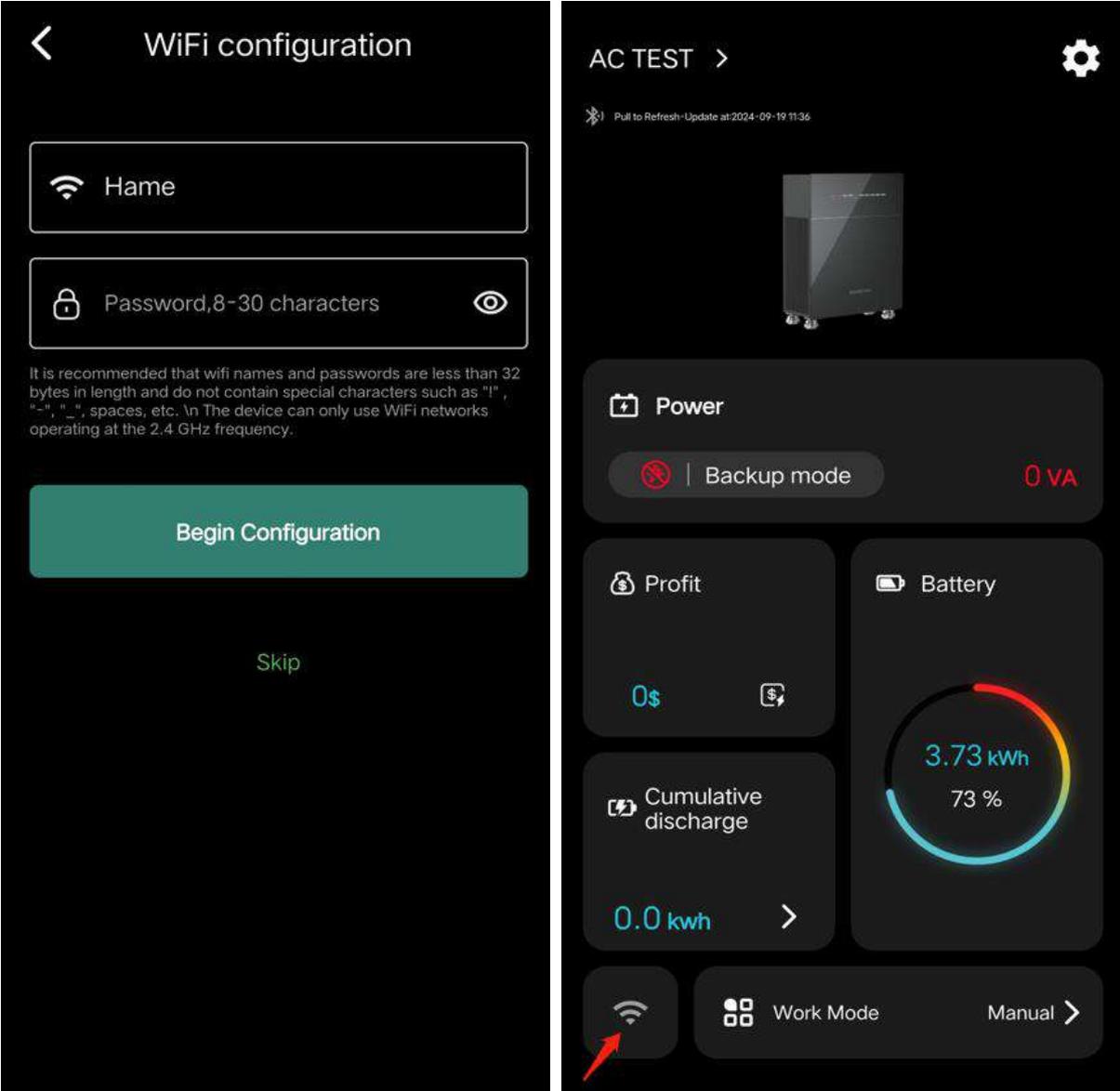


Note: When you enter the Bluetooth add page for the first time , a pop-up window for Bluetooth authorization may appear . You need to agree to the Bluetooth authorization (if no pop-up window appears, you can confirm that the Bluetooth of the app has been authorized in the phone settings) and turn on the Bluetooth switch of the phone ;

2. Network distribution

After the device is added successfully, jump to the configuration webpage, and you need to configure the device under Bluetooth connection ; enter the wifi name (automatically fill in the wifi name

connected to the mobile phone) and password, click [Start Configuration], and the device can be connected to the Internet after the network configuration is successful;

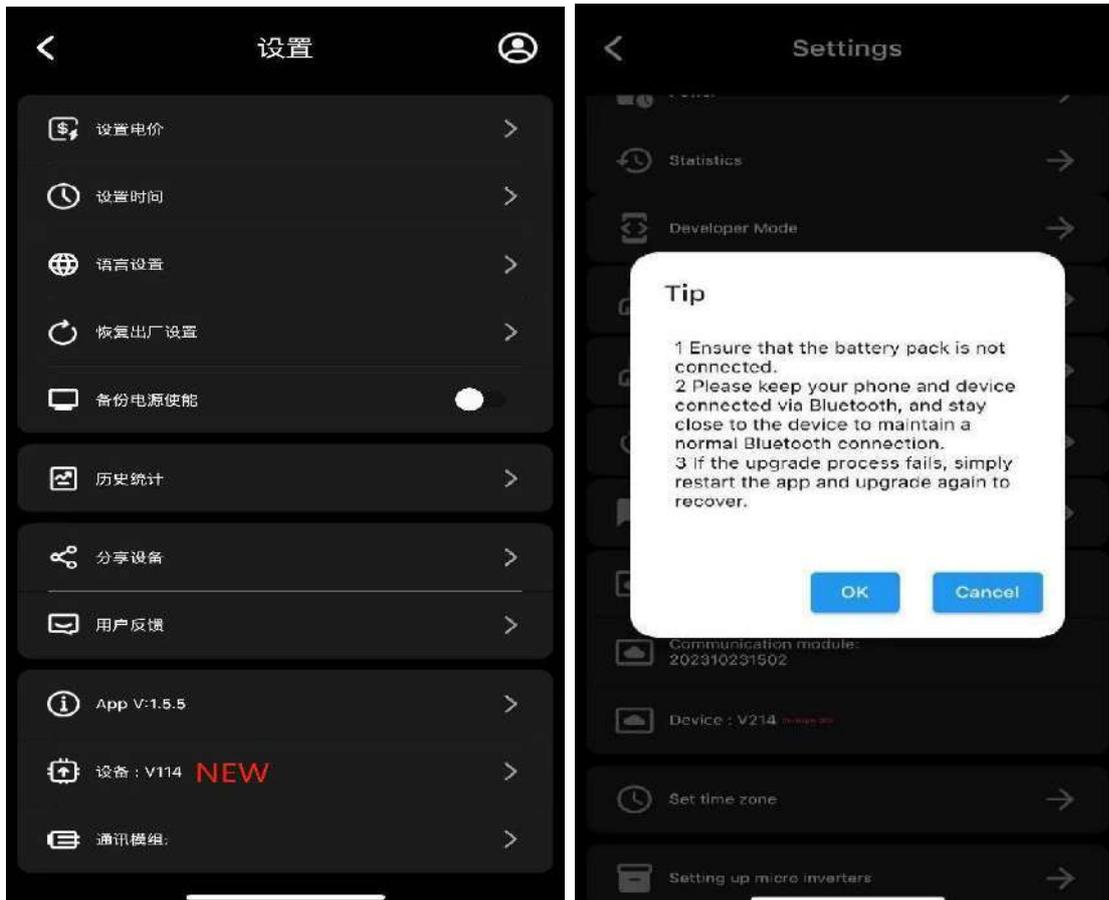


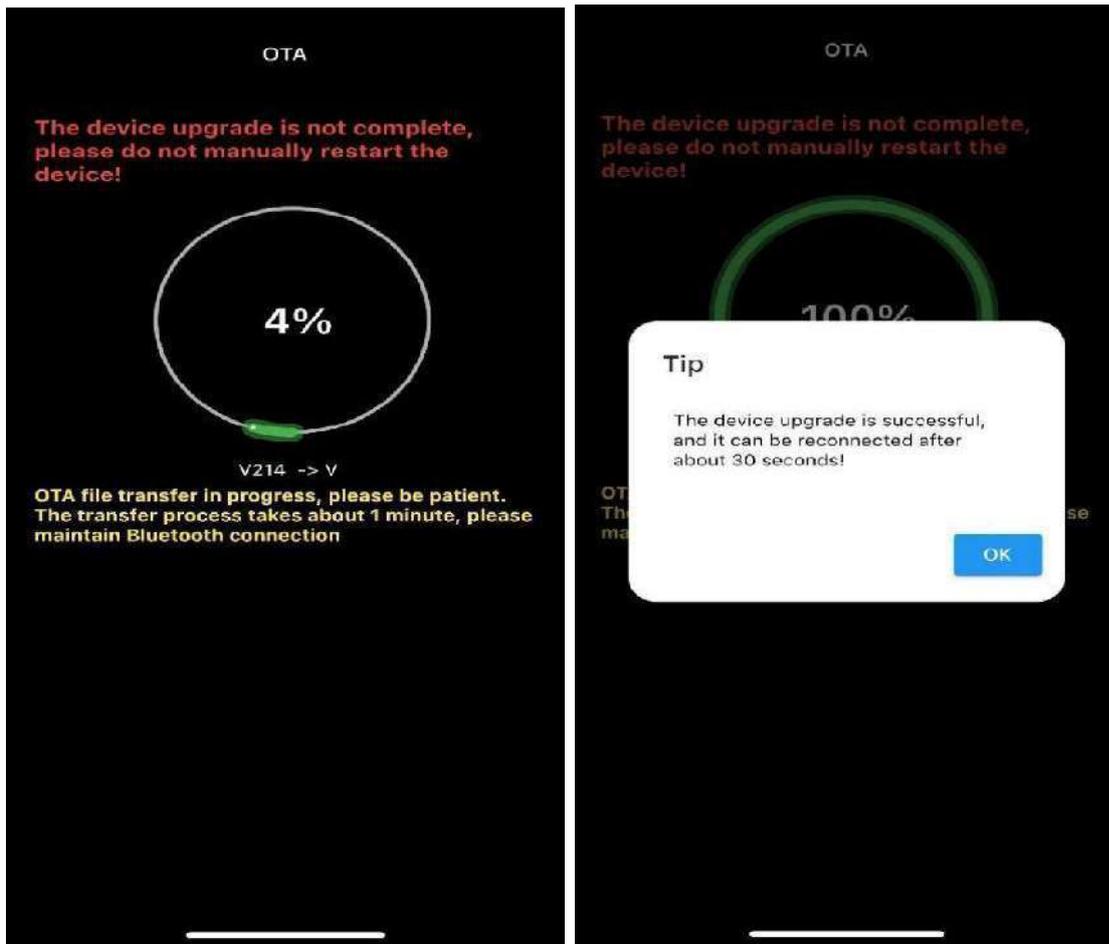
Note: After adding a device, there will be a wifi logo on the device homepage. Click wifi under Bluetooth connection to re-configure the device.

3. Firmware Upgrade

After network configuration, check whether the device needs to be upgraded. Click the Settings button to check whether there is a

NEW prompt after the device version number. If there is **NEW** , it means there is the latest firmware version. Click to upgrade. If there is no **NEW** , it means the latest version is already available and no upgrade is required.





5. Communication method between App and device

1. Bluetooth communication

After adding the device, you can see the Bluetooth icon on the home page ;

Bluetooth green : APP is connected to the device via Bluetooth and can communicate via Bluetooth ;

Bluetooth is gray : the APP is not connected to the device via Bluetooth , and Bluetooth communication is not possible ;

2. MQTT communication (wifi standard)

After adding the device, there is a wifi icon on the homepage, indicating the MQTT communication status between the app and

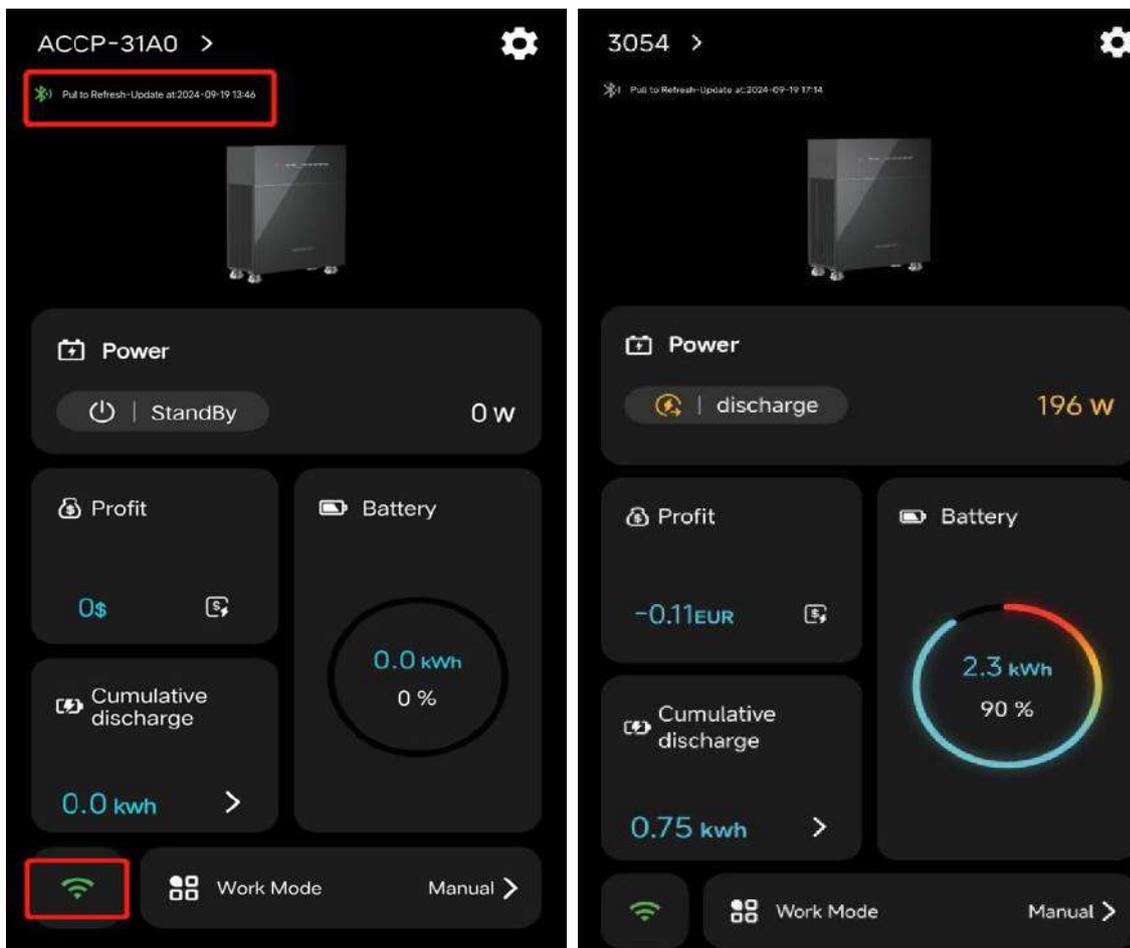
the device;

Wifi green: MQTT communication between the app and the device is normal;

Bluetooth connection : Wifi yellow (device disconnected from MQTT server), Wifi gray (device disconnected from network);

Bluetooth is not connected: Wifi is gray (MQTT communication between the app and the device is disconnected. You can try to pull down to refresh the page or restart the app to reestablish the connection);

Note: If one of Bluetooth and WiFi is green, the app can communicate with the device;

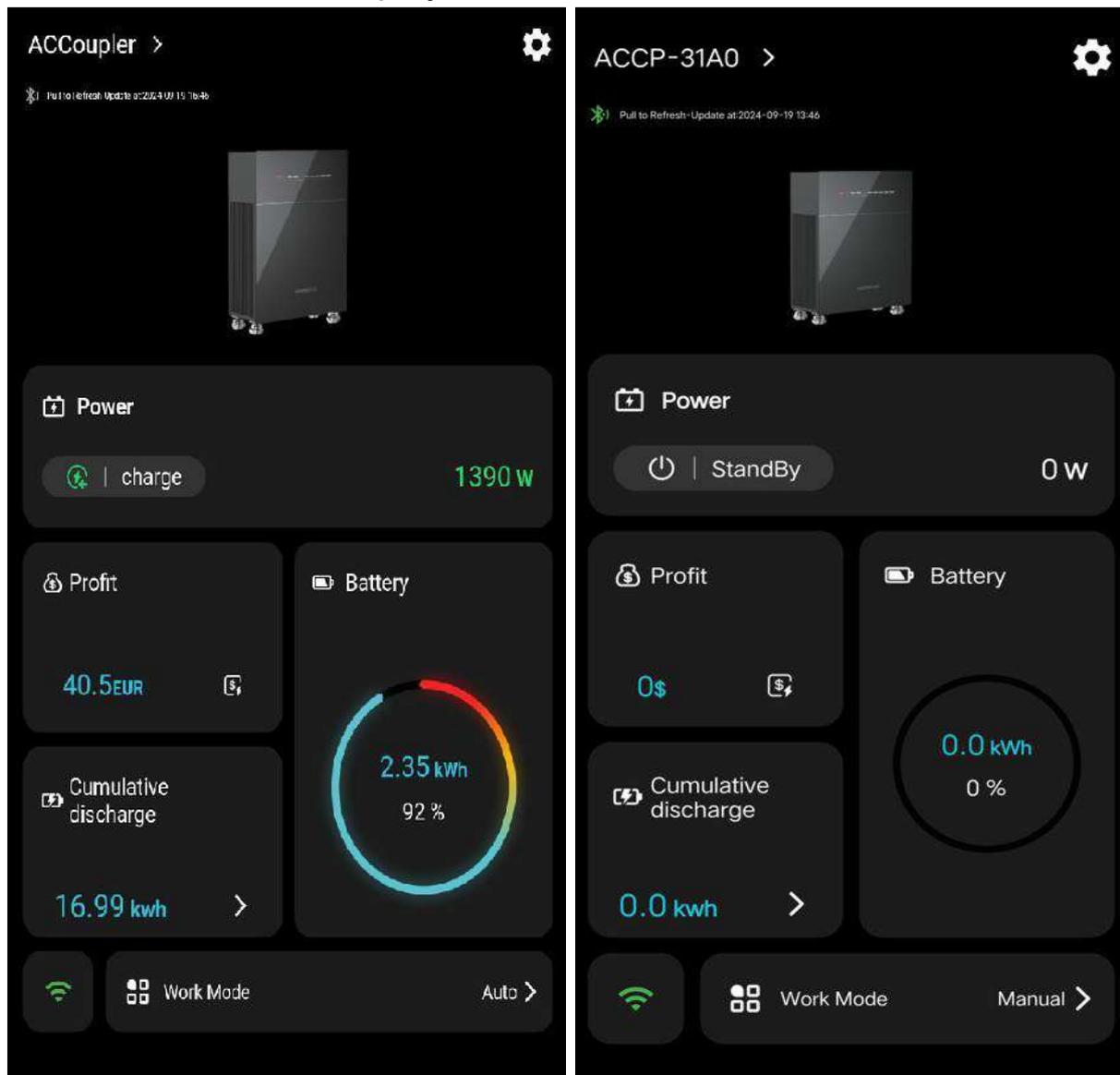


6. Check the equipment working data

1. Real-time working status

When the APP is communicating with the device, you can view the real-time working status of the device on the app; the working status of the device, power, cumulative discharge, battery power and discharge mode can be seen on the home page;

Note: After the APP loses communication with the device, the data of the last communication will be displayed by default, otherwise 0 will be displayed;

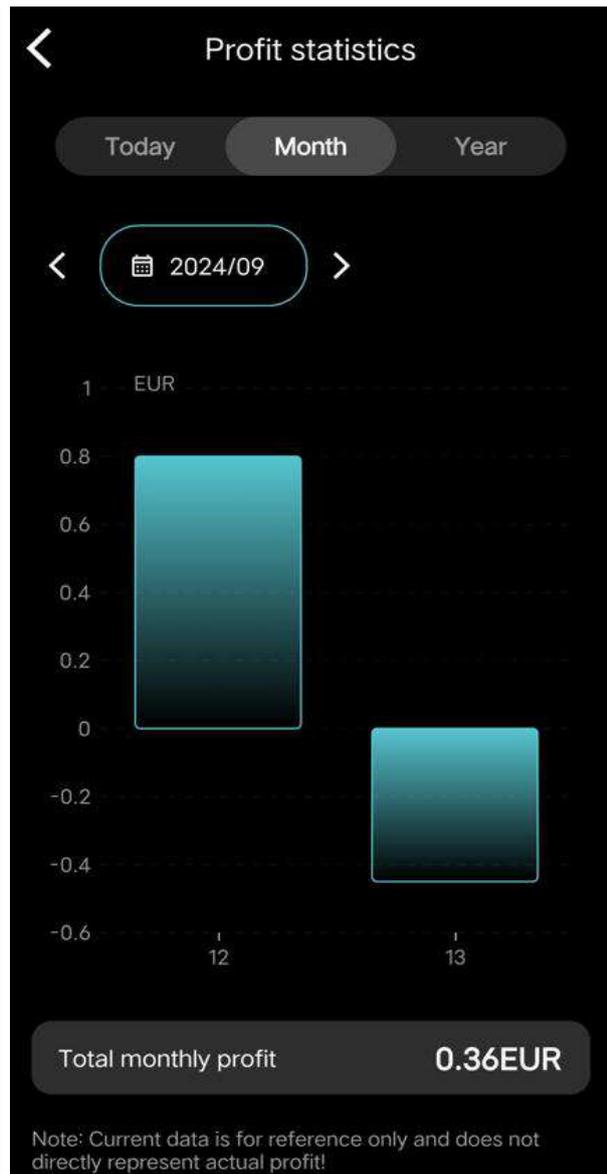


2. Historical data

Click **[Cumulative Discharge]** to view historical statistics, including the charge and discharge power and power of the day/month/year;

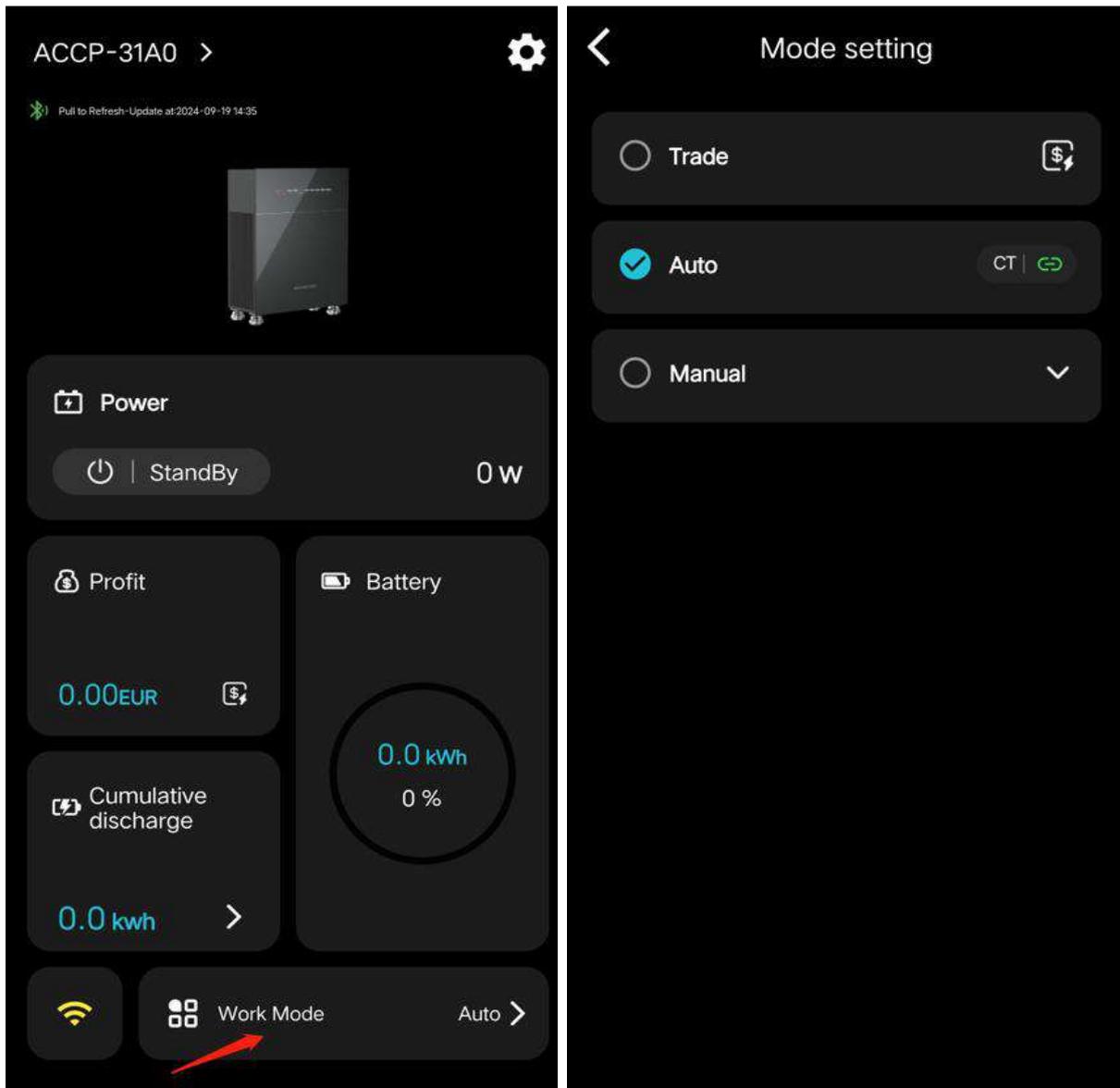


Click **[Revenue]** on the home page to view the revenue statistics generated during the operation of the equipment;

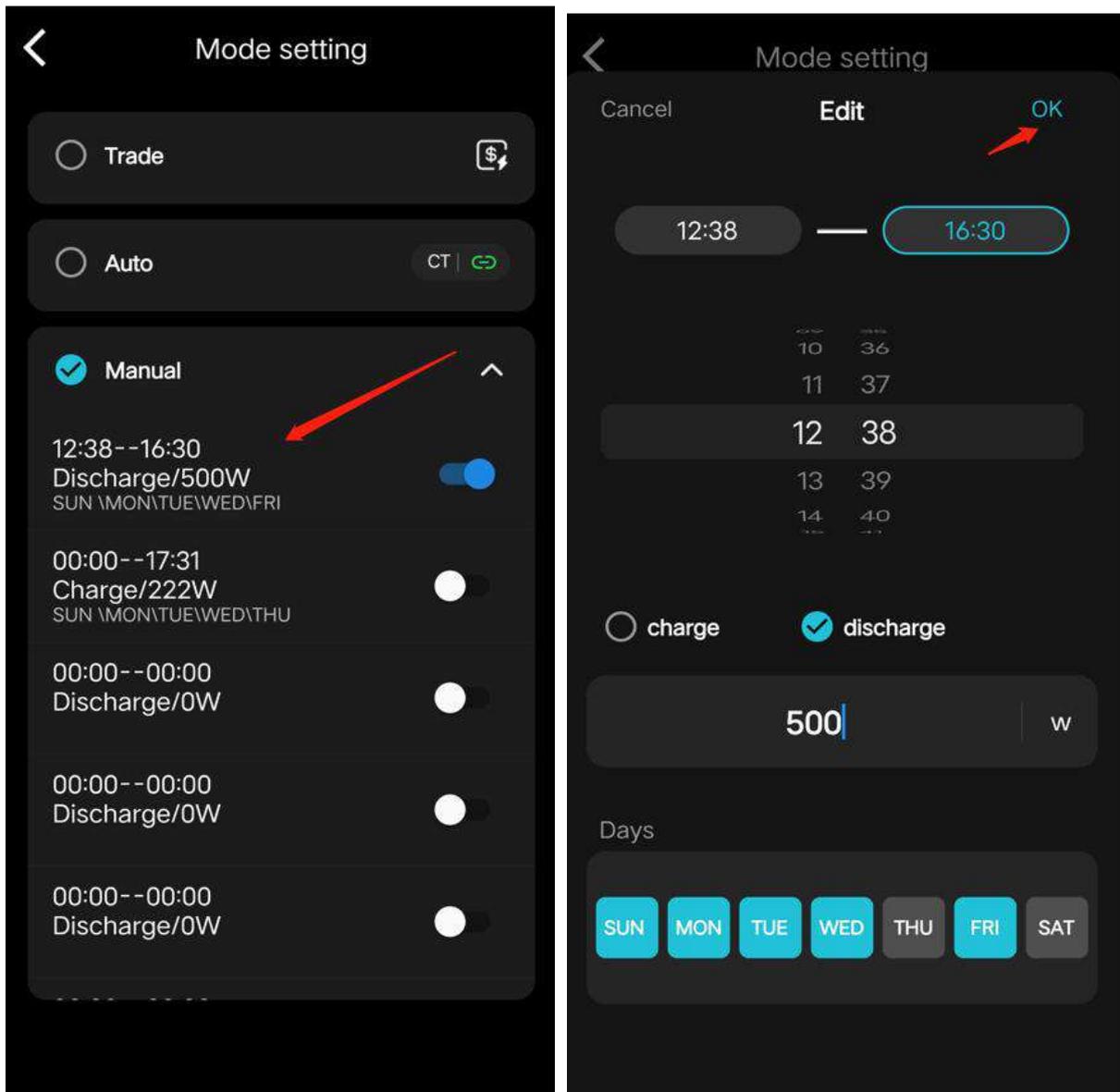


3. Working mode

Click on the working mode to enter the mode setting page; there are transaction/automatic/manual modes, and the automatic mode is selected by default;



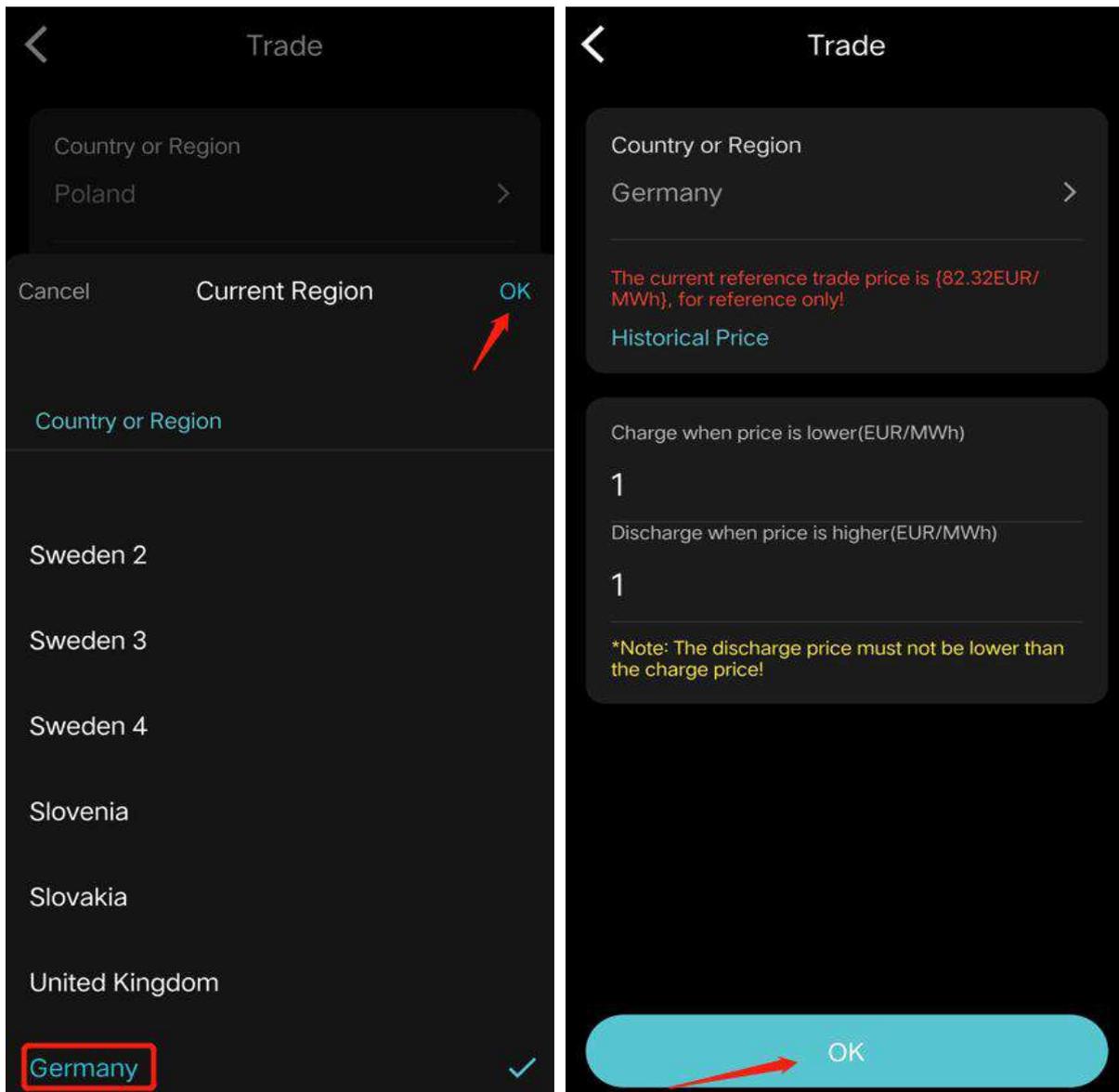
Manual mode: supports setting 10 non-overlapping time periods. Click any time period to set the time, charge and discharge status, power and cycle. The switch is closed by default, and the setting takes effect when the switch is turned on.



Transaction mode: Select the current country or region and enter the corresponding electricity price . The electricity price setting page will pop up for the first setting, and you need to set the currency unit first.

For example: Enter the region - Germany, the electricity price is lower than 1EUR/MWH for charging, and higher than 1EUR/MWH for discharging. After clicking OK to submit, the device will compare the local real-time electricity price in Germany with 1EUR/MWH. If it is higher than this value, the device will discharge, and if it is lower

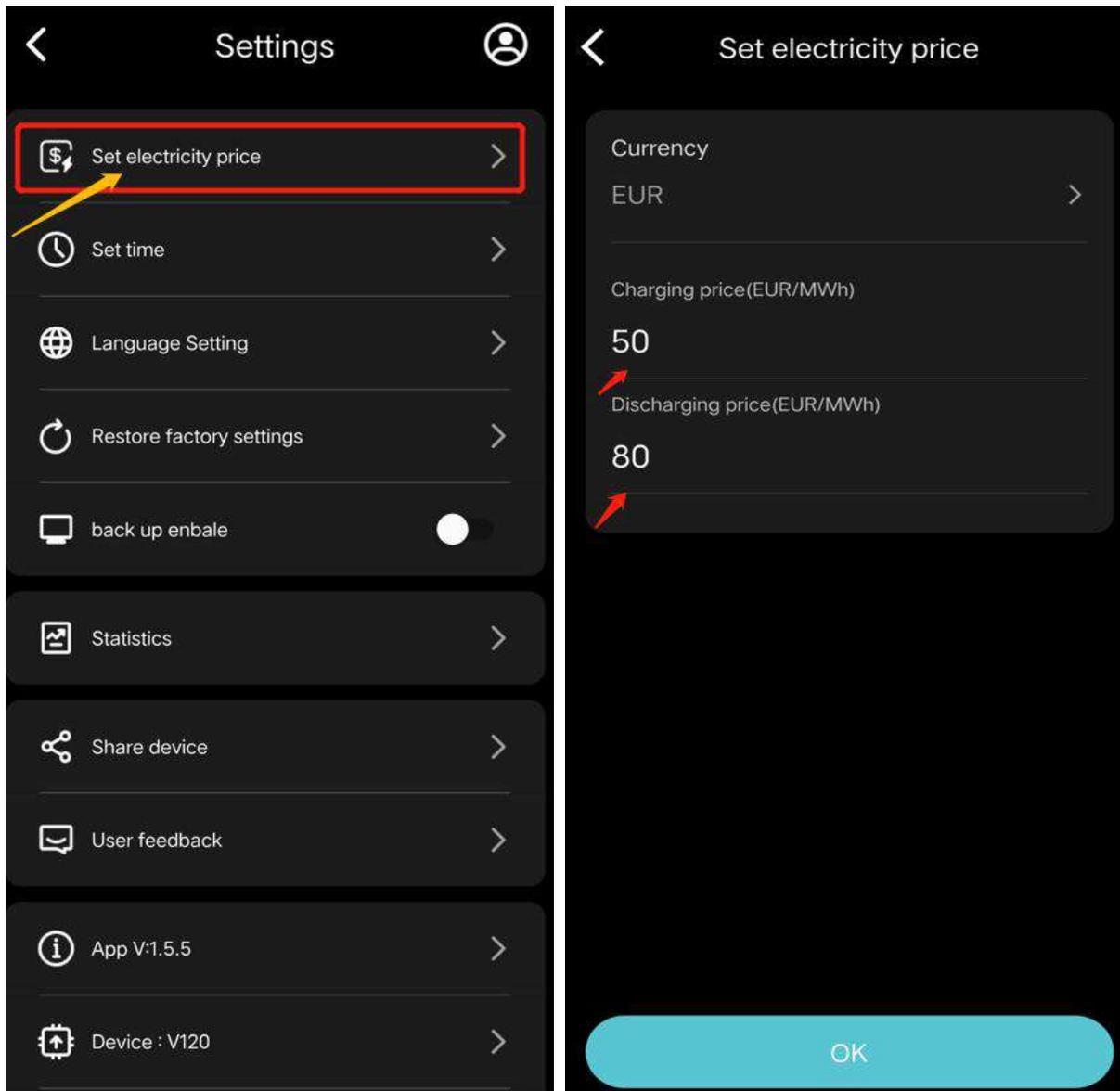
than this value, the device will charge.



7. Setting function

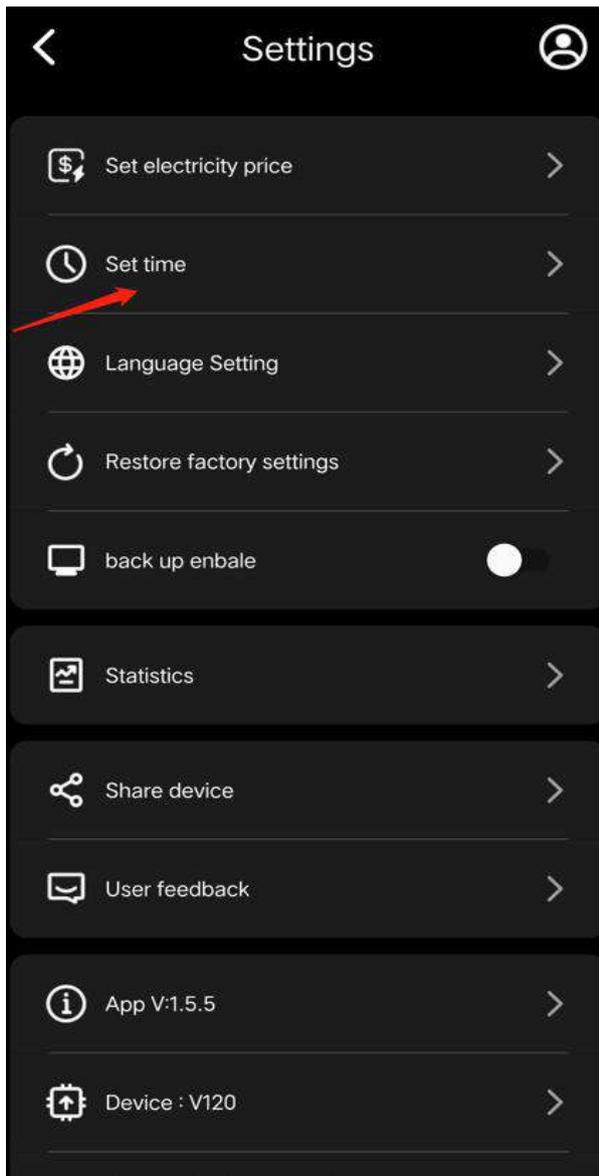
1. Set electricity prices

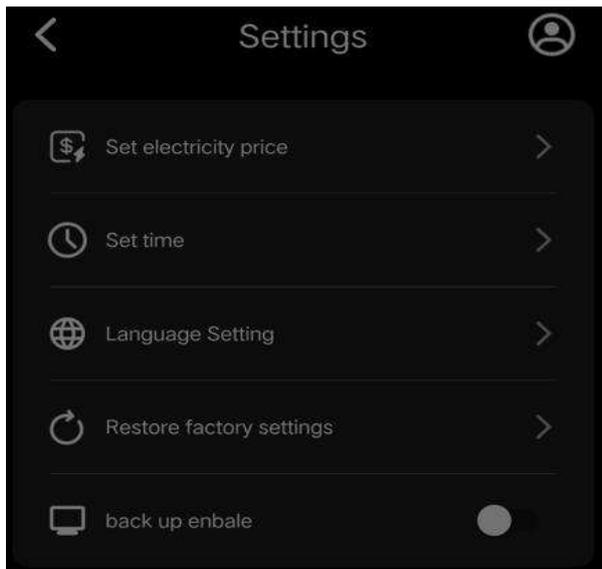
Set the currency unit and the price of charging and discharging. The profit will be calculated based on this price in automatic mode and manual mode.



2. Set the time

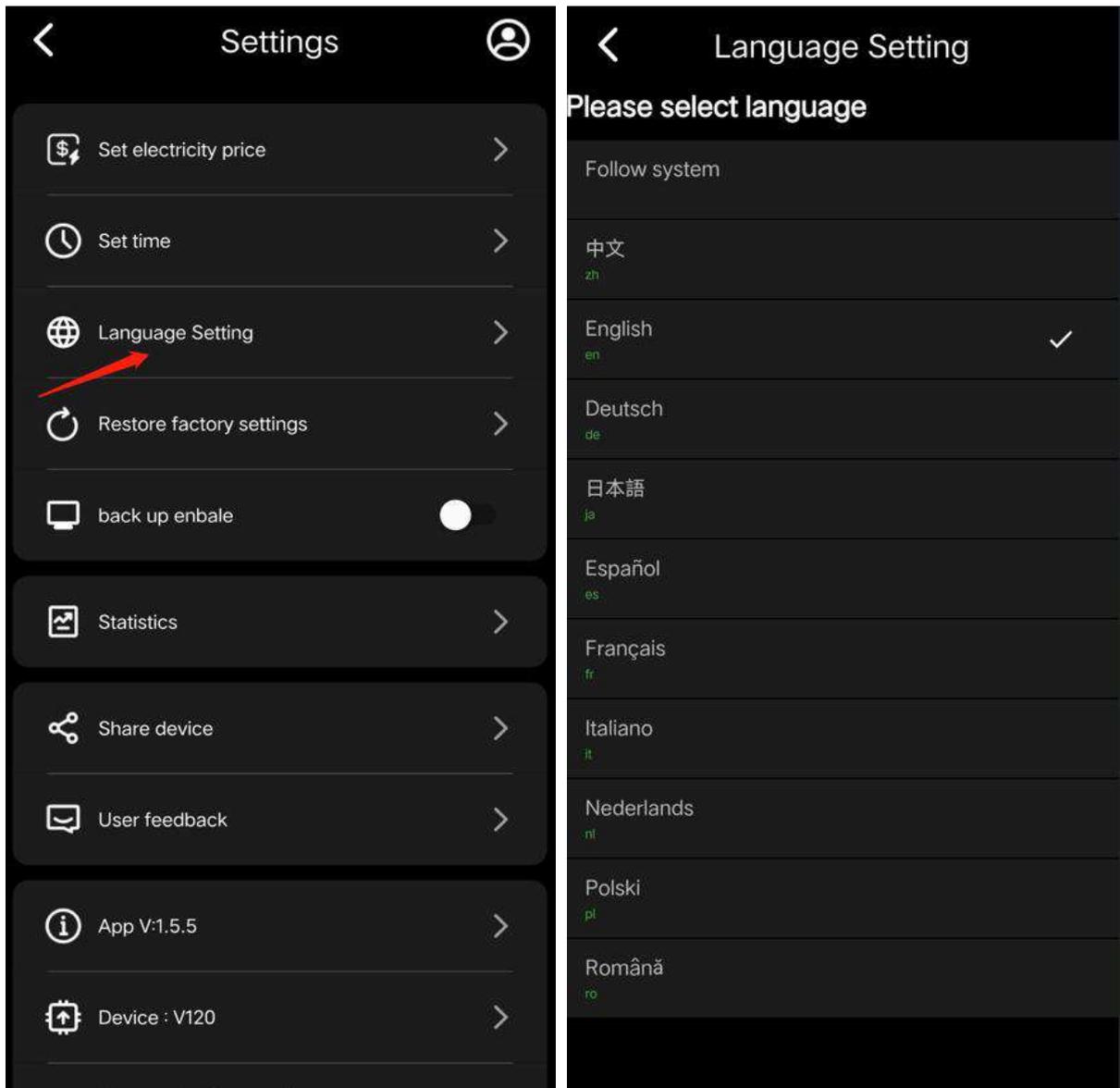
Select the time and click OK, the device will work at this time;





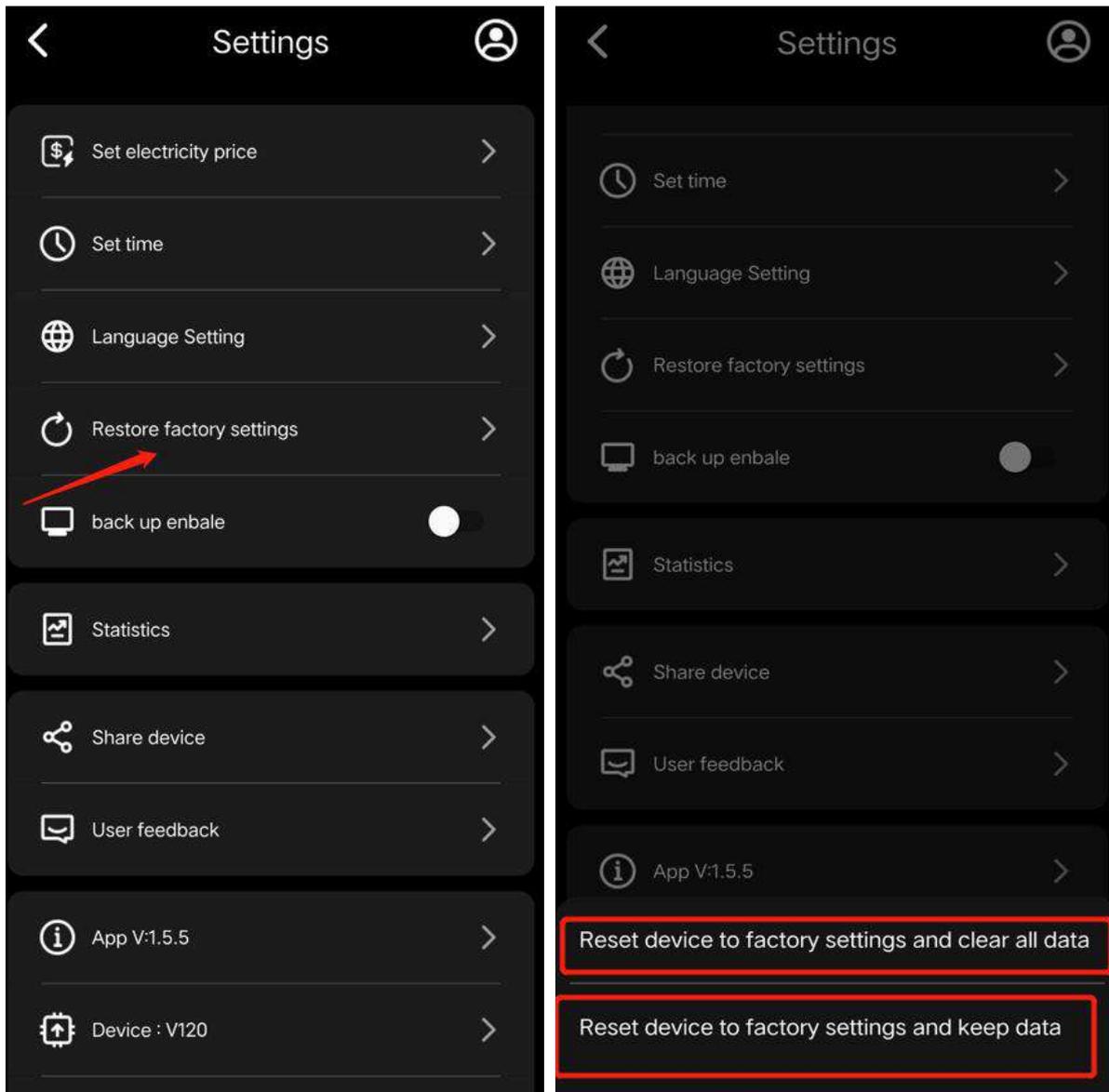
3. Language settings

There are 9 languages to switch between; if you choose to follow the system, the app will display the language in the phone settings;



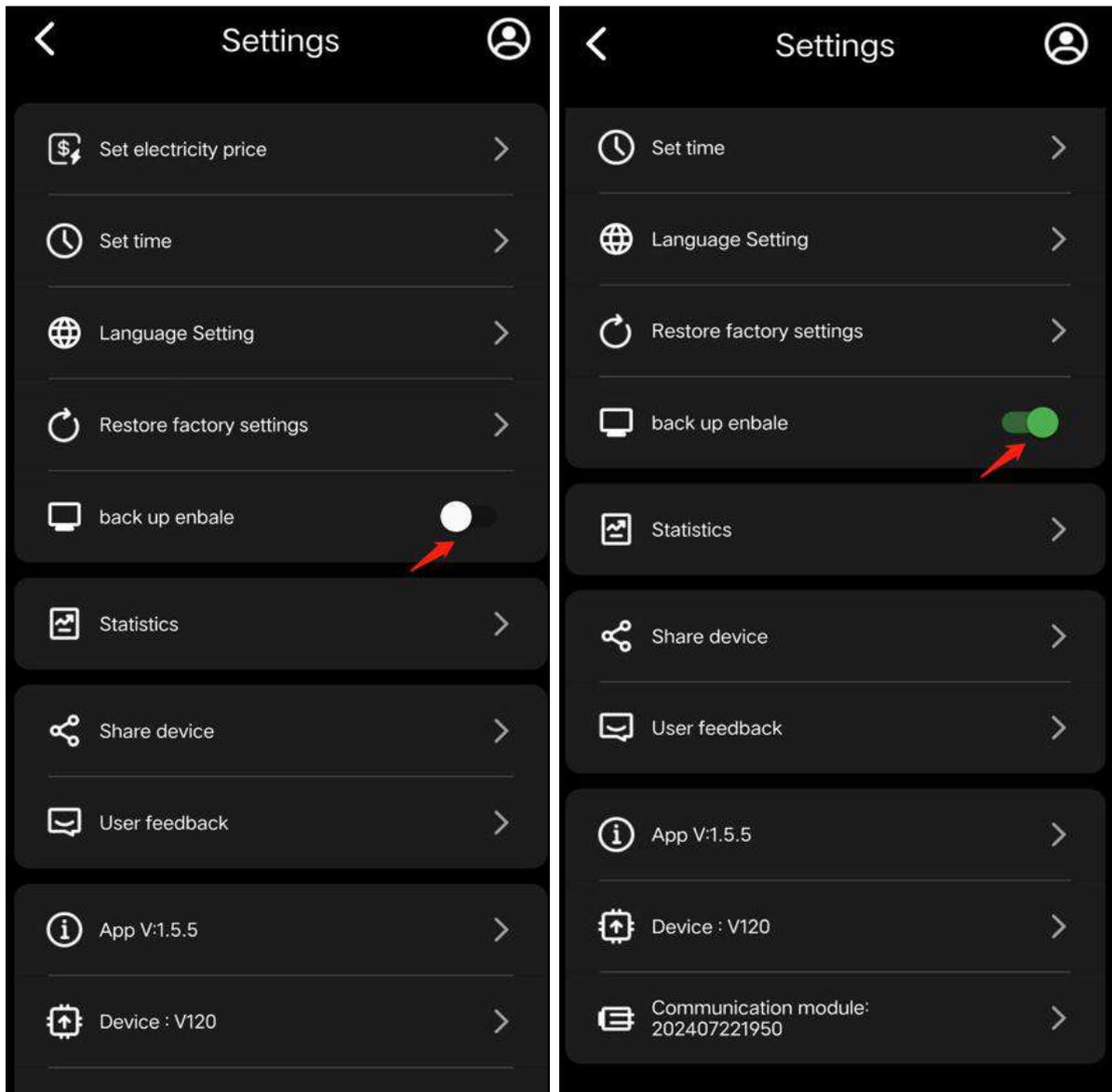
4. Restore factory settings

Click Restore Factory Settings, and a confirmation window will pop up with two options: [Restore Factory Settings, Clear All Data] and [Restore Factory Settings, Keep Data] ; Select Clear Data to clear the accumulated discharge amount and the set manual discharge time period;



5. Backup power enable

There are two states of switch, which can be switched as needed

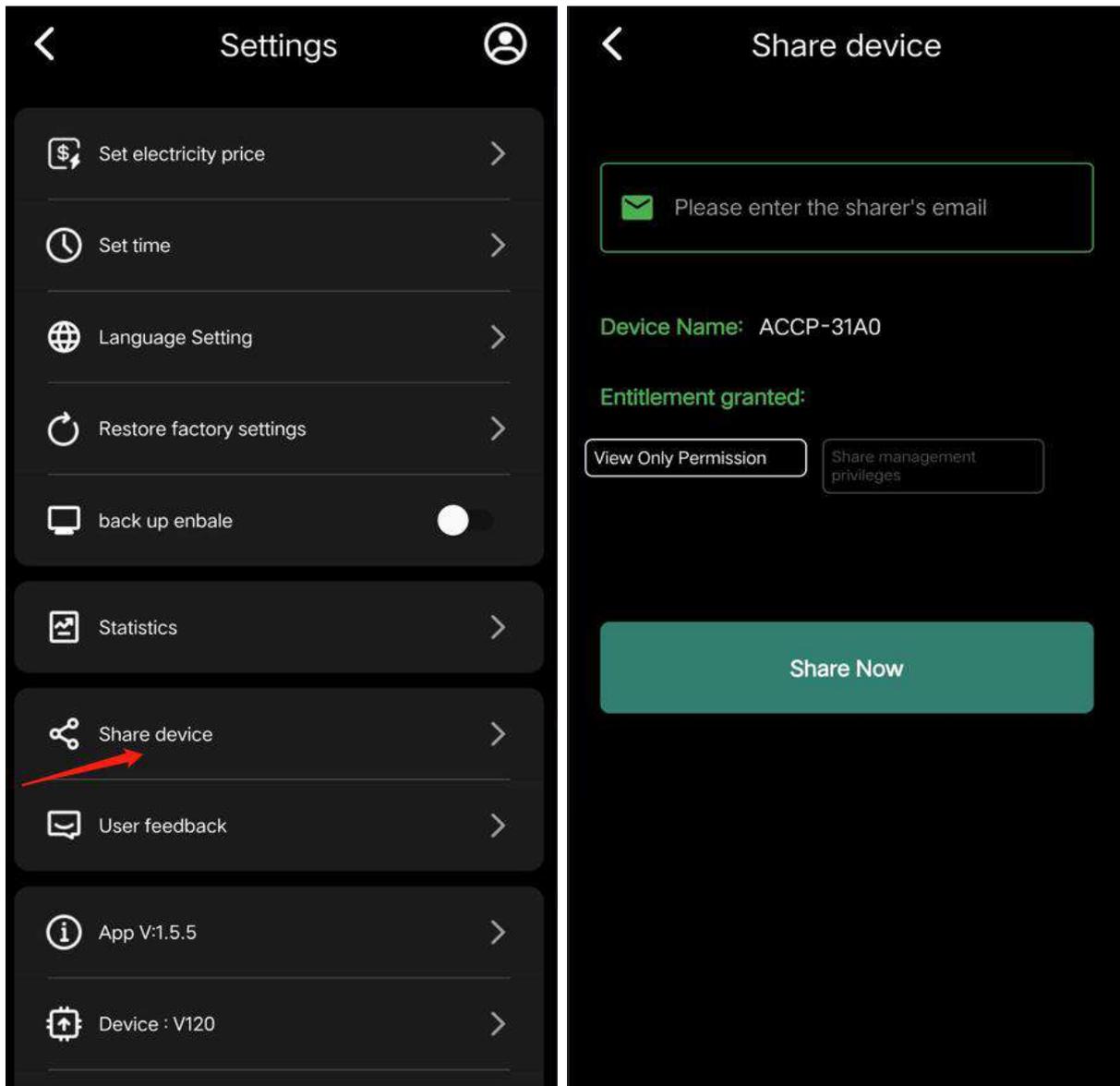


6. Shared devices

You can share [View only] or [Share management] permissions;

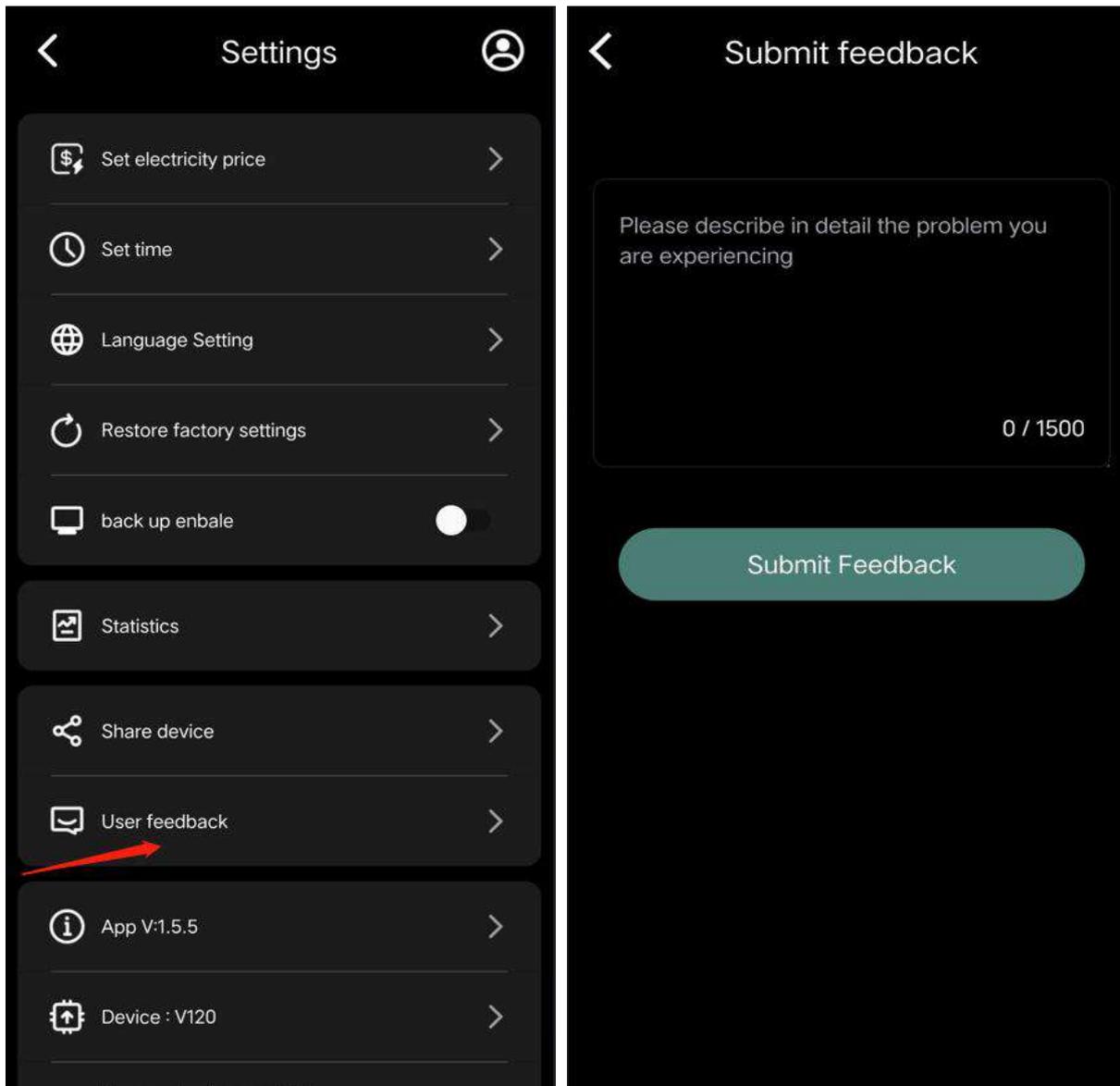
[View only] : The person being shared can only view the working status of the device and cannot change it;

[Sharing management permissions] : The person being shared can change the working status of the device;



7. User Feedback

You can enter a content of less than 1,500 words, describe the problem and submit it. The after-sales staff will contact you as soon as possible .



8. APP version number

Display the current version number of the APP

9. Device number

Displays the firmware version number. A **NEW** prompt indicates that the latest firmware package is available and can be upgraded .

10. Communication module

Displays the version number of the communication module. A **NEW** prompt at the end indicates that the latest module package is

available and can be upgraded.

