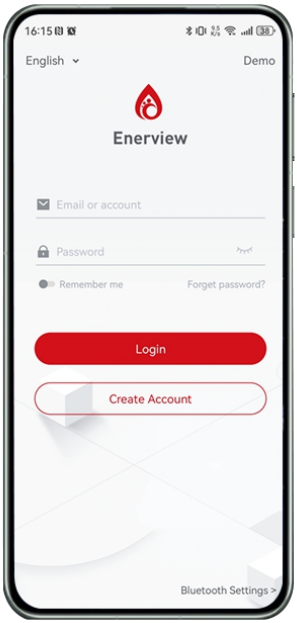


Enerview pro App

User Manual

Contents

Disclaimer

This application is solely an auxiliary tool for equipment monitoring and operation & maintenance. The data provided is for reference only. Our company shall not be held responsible for any losses resulting from improper operation, equipment malfunction, etc. The intellectual property rights of this manual and the App belong to Shenzhen Times Energy Innovation Technology Co., Ltd. Reproduction, alteration, or commercial use without permission is prohibited. Please read this manual carefully before using the product. The manual content is updated with App iterations; users may download and review it periodically as our company will not provide separate notifications for updates.

1 Introduction to the EnerClo Monitoring Platform

1.1 Overview

The Enerview Pro App is a power plant and equipment management tool provided for end-users, with the following main functions:

Remote Monitoring: Remotely obtain key data such as the operational status and fault alarms of power plant equipment, allowing users to grasp equipment dynamics without on-site presence.

Data Visualization: Present equipment operational data intuitively through charts and curves, helping users quickly analyze data patterns and assisting in O&M decision-making.

Convenient Management: Support remote management operations for power plant equipment, simplifying O&M processes, and improving management efficiency.

Note: The data provided by the App is for reference only. Actual equipment operation and maintenance should be combined with on-site conditions.

2 Operation Guide

2.1 APP Download & Installation

You can download and install Enerview Pro from the corresponding application store based on your device system type.

- Android users: Search for "Enerview Pro" in the Google Play Store.
- iPhone users: Search for "Enerview Pro" in the App Store.

Mobile OS Requirements: Android 6.0, iOS 13.0 or higher.

2.2 Login Page

2.2.1 Login

① Enter the Login Page: Locate the Enerview Pro App icon on your phone's home screen. Tap the icon to launch the App. It will automatically jump to the login page.

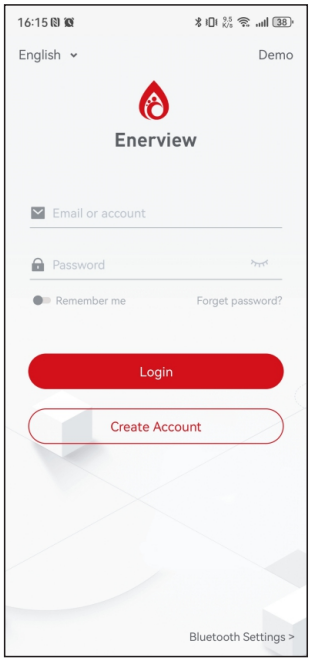
② Enter Login Information: In the account input box, enter your registered email address or account name. In the password input box, enter the corresponding account password (note

case sensitivity to avoid input errors).

③ Choose to Remember Password: To simplify future logins, you can check the "Remember me" option (after checking, the next time you start the App you won't need to re-enter the password. It's recommended to use this feature on your personal frequently used devices).

④ Complete Login: After confirming the account and password are entered correctly, tap the "Login" button to enter the App's main interface and start using the power plant equipment monitoring and management functions.

⑤ Action for Unregistered Users: If you haven't registered an account yet, tap "Create Account" at the bottom of the login page, complete the account registration as per the instructions, and then log in.



2.2.2 Register

① Fill in Required Information: Fields marked with "*" on the page are mandatory and must be accurately filled:

Email Address: Enter a valid personal or corporate email address (used for receiving verification codes and subsequent login verification). Ensure the format is correct.

Get Verification Code: Tap the "Send" button. The system will send a verification code to the entered email. Please check your email (if not received, check the spam folder or resend).

Verification Code: Accurately enter the verification code received in the email into the corresponding field, avoiding input errors.

② Set Login Password:

Password: Enter an 8-16 character password, which must include numbers, letters, and special characters (e.g., "Abc123!@#") to ensure password strength.

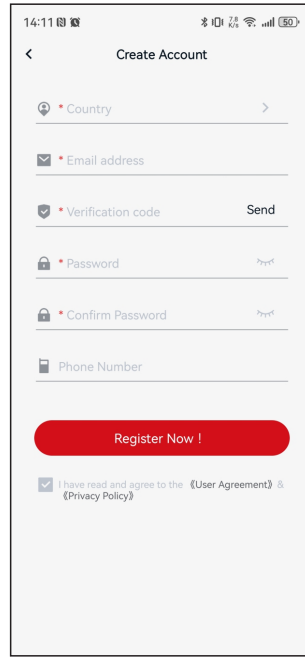
Confirm Password: Enter the same content as the "Password" again. The two entries must match exactly.

③ Complete Registration and Login:

Carefully review the agreement terms. If you agree, check the agreement box and confirm that all fields are completed. The system will automatically validate the information (such as verification code validity, password format, etc.). Validation success means registration is successful.

If registration fails, modify the corresponding fields according to the page prompts (e.g., "Password format does not meet requirements", "Verification code has expired"), then resubmit.

After successful registration, you can directly log in using the registered email account and the set password.



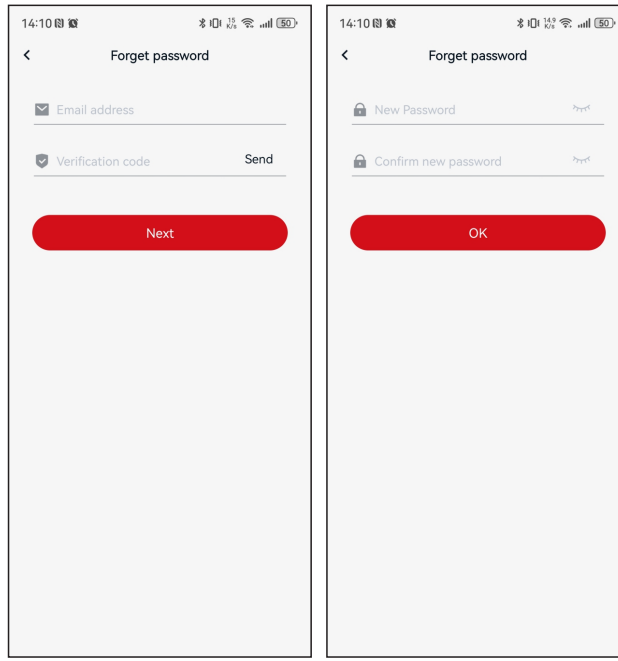
2.2.3 Forgot Password

On the login page, tap "Forgot Password" (below the password input field) to jump to the Forgot Password page:

① Identity Verification: Enter the email address bound during registration, tap "Send" and enter the verification code (if not received, check the spam folder or resend).

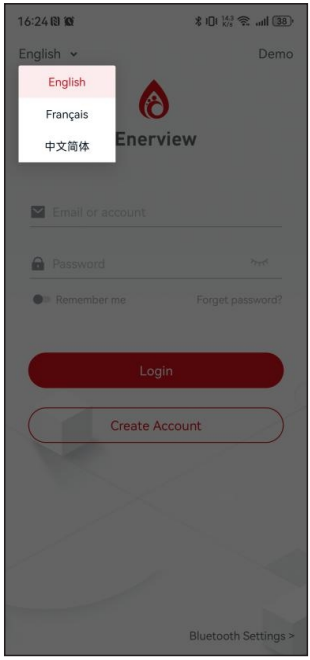
② Reset Password: After verification is passed, tap "Next", set a new password following the password format used during registration, and confirm it.

③ Complete Login: After successfully resetting the password, log in to the App using the original email and the new password.



2.2.4 Language Setting

On the login page, tap the language option. Select the desired language from the pop-up language list. After selection, the App interface language will immediately update to your chosen language, and all subsequent operations will be displayed in that language.



2.3 Power Plant List

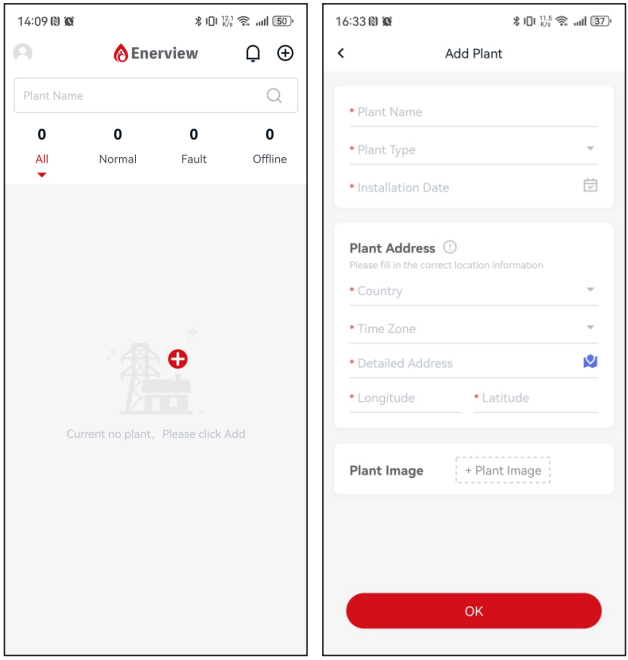
2.3.1 Add Power Plant

After the first login, tap the "+" button on the page or at the top right to enter the power plant creation page:

① Fill in Required Information: All fields marked with "*" (Power Plant Name, Power Plant Type, Installation Date, Country, Time Zone, Detailed Address, Latitude/Longitude) must be filled in.

② Country and Time Zone: Must be selected accurately (local time zone; set to Daylight Saving Time zone during DST period). Incorrect settings may cause errors in equipment data statistics time.

③ Complete Creation: After all information is filled in, tap the "OK" button at the bottom to complete the power plant creation.



2.3.2 Power Plant List

Manages all power plants created under the account, displaying real-time core daily data for each plant (PV generation, load consumption, battery charge/discharge amount, grid feed-in/take amount, generator amount).

① Operational Functions:

Tap a power plant entry to view the system data for that power plant.

Tap the "Edit icon" on the right side of a power plant to edit its information.

Enter the power plant name in the top search box (supports fuzzy search) to quickly locate the target power plant.

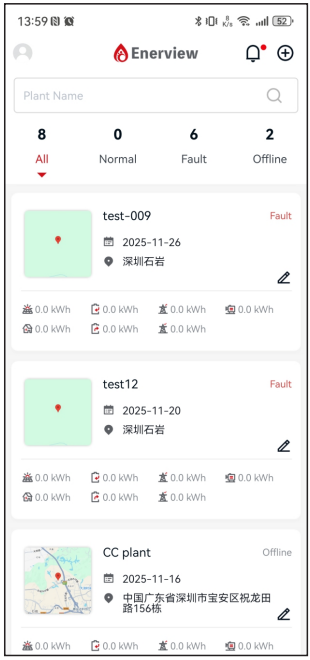
② Status Description:

- Power plant statuses are "Normal", "Fault", "Offline".

Normal: At least one system (HPS/PCS system) is operating normally.

- Fault: All systems are in a fault state.
- Offline: All systems are offline.

③ System Limitation: A single power plant does not support multiple parallel systems. Multiple parallel systems require creating separate power plants for management.



2.4 Device List

2.4.1 Adding Device

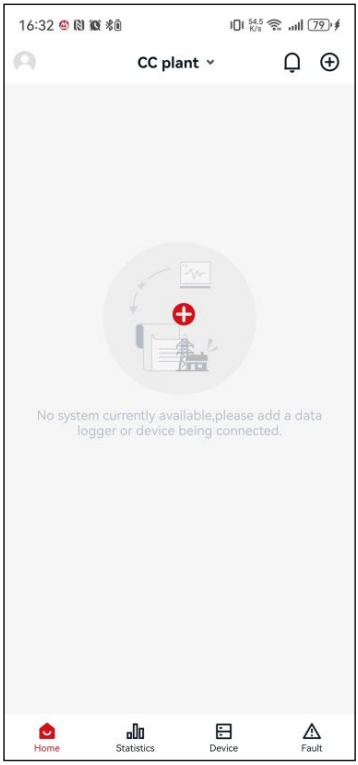
After the power station is successfully created, you need to add the collector device. Find the "Add" entry and enter the addition page. The process is as follows:

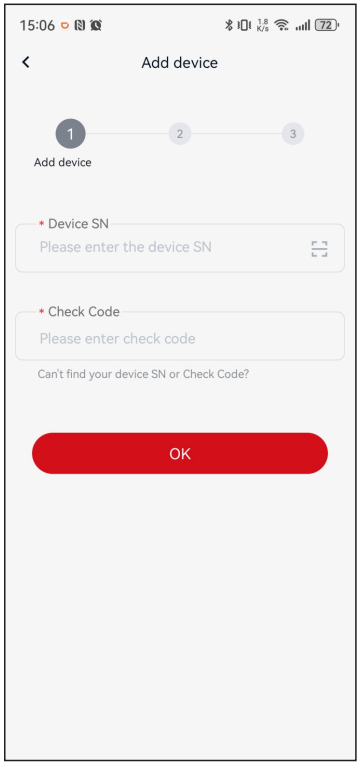
① Adding Device

● Fill in the two required fields on the page and click the "OK" button. The App will submit the information to the cloud for verification. If the cloud detects that the device is already communicating normally with the server, the device will be successfully added without going through the network configuration step, and the system will automatically return to the device list. If the device is not communicating with the cloud, it will be successfully added and proceed to the next network configuration step.

● Device SN: The unique identifier of the device (attached to the device body or packaging box);

● Check Code: The verification code of the device (matching the SN for confirming the legitimacy of the device).

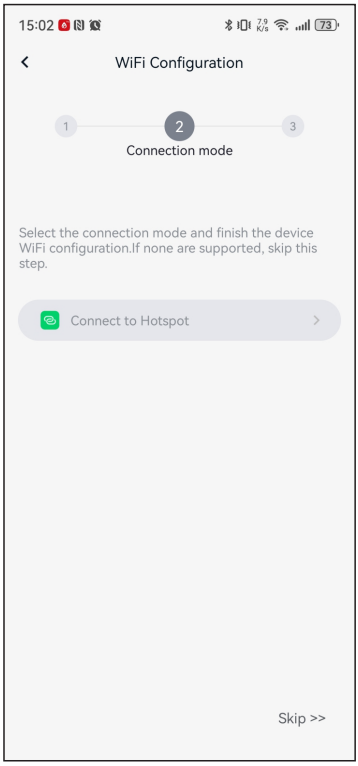


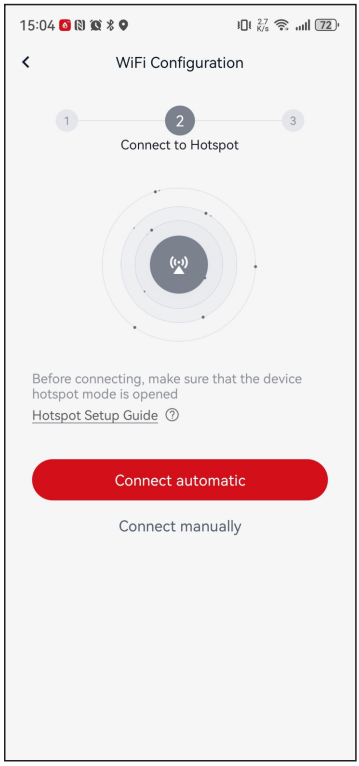


② Select Network Configuration Method

● After successfully adding the device, follow the page instructions to select the network configuration method to complete the device connection.

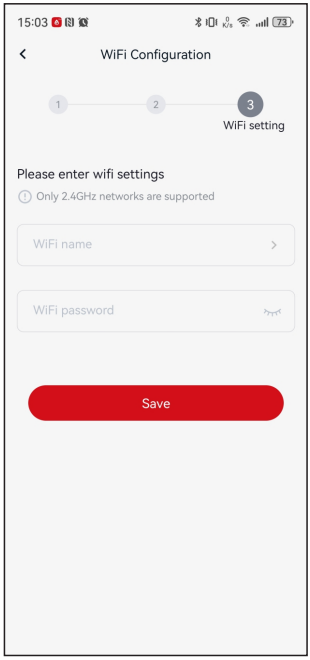
Network configuration refers to WiFi network setup. If your device connects via 4G or Ethernet, you can click "Skip >>" to bypass this step. For specific configurations, please refer to the device's accompanying manual. Due to version differences, some models currently do not support network configuration via the App. If you have any questions, please contact our after-sales technical support.

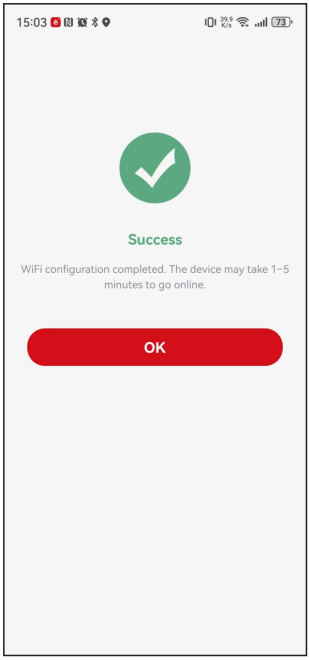




③ WiFi Configuration

● After successfully connecting via hotspot, proceed to WiFi settings to complete the final network configuration. Enter the available 2.4GHz WiFi network name and corresponding password in the vicinity of the device, then click "Save" to complete the configuration. Once the device receives the WiFi information, it will automatically switch to network mode to connect to the WiFi and establish communication with the cloud.





2.4.2 Device List

Displays device information under the power plant, categorized by device type. Only actual connected device types are shown (limited to devices purchased from our company).

① Device Status Description:

● When a device is powered off or disconnected from the data logger, its status displays as "Lost". The server will then stop updating data for that device.

● When the device is online normally, its corresponding operational status is displayed.

② Search Function: Enter a "Device Name or SN" in the top search box to quickly locate the target device.

③ Parallel System: For devices with parallel configurations (e.g., multiple PCS units in parallel), the system will automatically mark master/slave relationships based on device feedback data:

● Master/Slave Identification: "Master" or "Slave" identifiers are displayed at the top left corner of the device icon, distinguishing device roles. For detailed master/slave setup instructions, see section 2.4.4.

● Exception Handling: If the parallel devices are not correctly configured for master/slave, the server will default to displaying them as "Standalone" without master/slave identifiers.

④ Battery Devices: Primarily displays three types of battery-related devices: MBMS, BCU, VoltStack BCU.

MBMS (Master Battery Management System): Responsible for controlling the operation of the entire battery system and enabling communication interaction with the inverter.

BCU (Battery Control Unit): Assists in monitoring local battery status, working in coordination with MBMS to ensure battery safety.

VoltStack BCU (Battery Control Unit): A control unit designed specifically for the VoltStack series batteries, capable of independent communication interaction with the inverter.

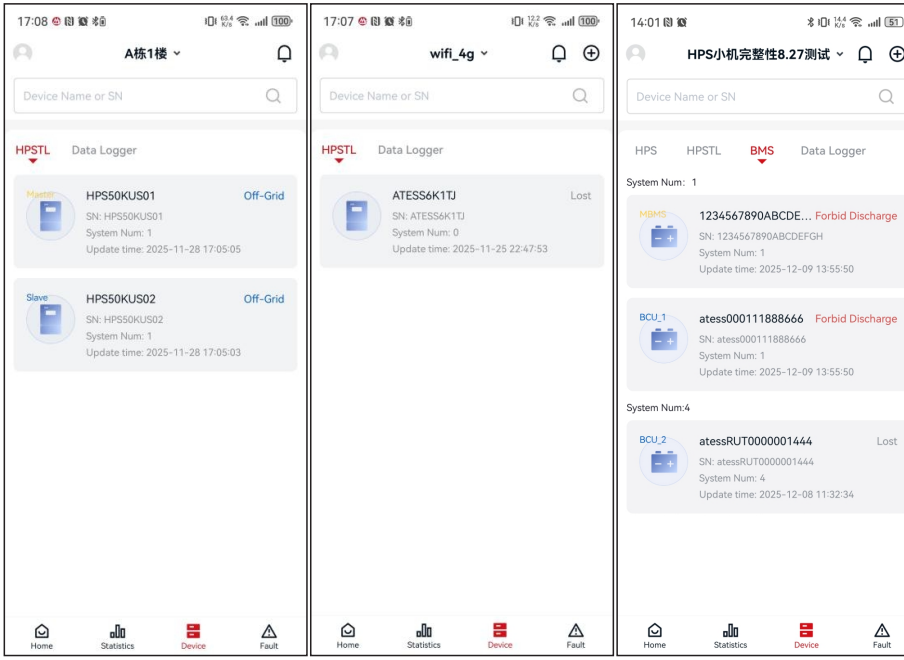
⑤ Application Scenarios and System Number Setting

Shared Battery Scenario: When multiple inverters share a single battery system, set the "System Number" for the associated inverters and battery to the same value.

Dedicated Battery Scenario: When each inverter operates independently with its own dedicated battery, set the same "System Number" for each corresponding device pair.

Identification Rule: The server identifies inverters and batteries with the "same System Number" as belonging to the same group. The group association can be viewed in the device list via the number.

Multi-Device Adaptation: Besides battery devices, other device types like HPS and PCS also support grouping by "setting the same System Number" for easier collaborative management.



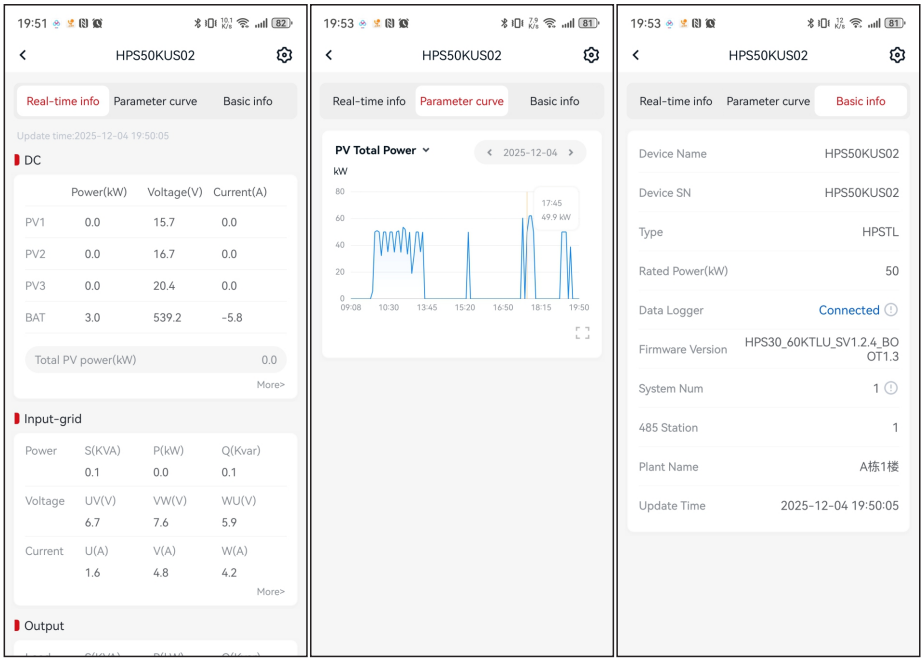
2.4.3 Device Details

The Device Details page contains 3 functional modules, switchable via top tabs:

① Real-time Info: Displays the most recently updated operational data of the device (covering indicators such as voltage, current, power, etc.). Data is updated every 1~5 minutes, depending on the data logger's transmission interval.

② Parameter Curve: Select a specific date to view trend curve data of device indicators like power, voltage, current, SOC, etc., supporting intuitive analysis of data changes.

③ Basic Info: Displays the basic attributes of the device (such as device SN, type, firmware version, data logger information, etc.).



2.4.4 Parameter Settings

Find the settings entry in the Device Details page. Tap it, and a password verification window will pop up. Enter the password in the format of the current date (e.g., "20241217"), then tap "OK" to complete verification and enter the settings page.

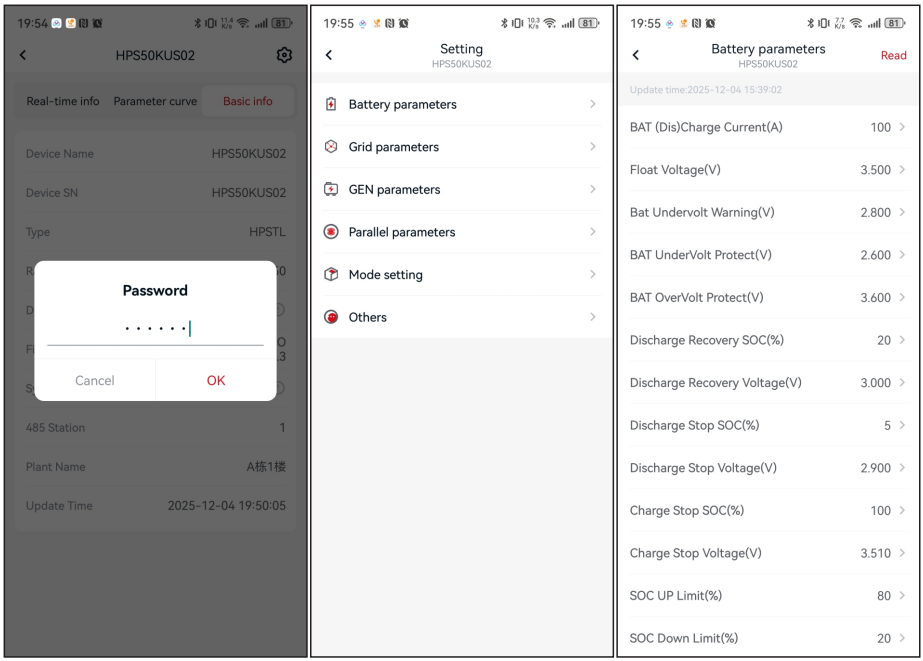
Important Note: If you need to configure device-related parameters, exercise extreme caution. Incorrect parameter configuration may affect device data transmission or operational stability. It is recommended to operate under the guidance of professional technical personnel to avoid device faults or data anomalies caused by misoperation.

① Read and Set Parameters

Tap the "Read" button to read the device's latest parameter data.

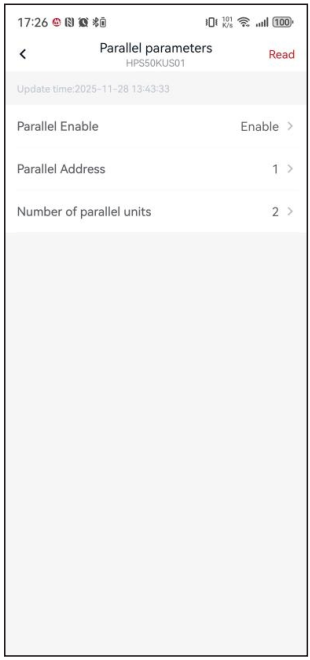
On the settings page, you can adjust items that support remote configuration, such as battery parameters, grid parameters, parallel parameters, etc.

Note: The password is dynamic and in date format. It must be entered according to the date of the operation day.



② Parallel Settings

- The Parallel Enable parameter should be set to Enable; set to Disable for standalone operation.
- Set the Parallel Address: Master is set to 1, Slaves are set to numbers greater than 1 (only one master and multiple slaves can be set within a power plant; otherwise, the system will not recognize them and treat them as standalone).
- Set the Parallel Quantity according to the actual number of connected devices.

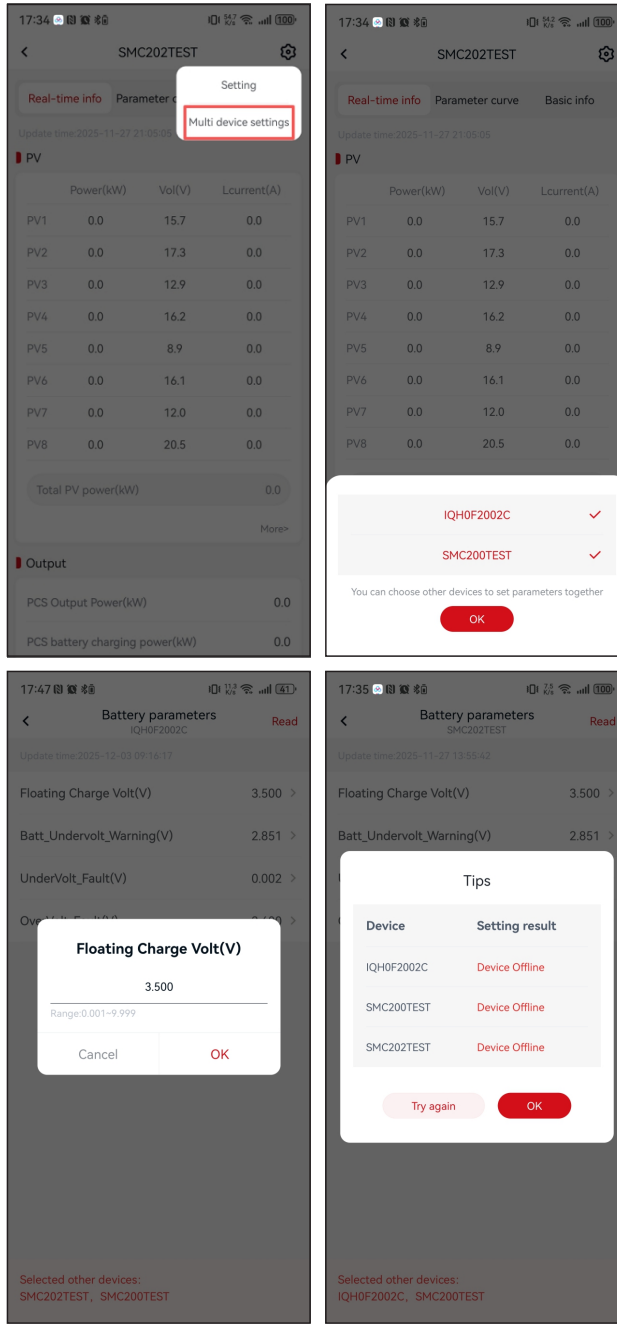


③ SMC Batch Settings

● If multiple SMC devices exist, batch settings can be applied to multiple devices. This is temporarily not supported for other device types.

● Enter the Device Details page of any SMC device, find the "Multi device settings" entry. After password verification passes, options for other SMC devices will pop up. Select the devices that need to be set together, confirm, and then enter the parameter settings page.

● Modify the corresponding parameters. The settings will be simultaneously pushed to other selected devices. If failures occur, you can use the retry button to resend.


SMC202TEST
Setting
Multi device settings
Real-time info
Parameter curve
Basic info
PV
Power(kW)
Vol(V)
Lcurrent(A)
Total PV power(kW)
More>
Output
PCS Output Power(kW)
PCS battery charging power(kW)
IQH0F2002C
SMC200TEST
You can choose other devices to set parameters together
OK
Battery parameters
Read
Floating Charge Volt(V)
Batt_Undervolt_Warning(V)
UnderVolt_Fault(V)
3.500
Range:0.001~9.999
Cancel
Tips
Device
Setting result
Device Offline
Try again
Selected other devices:
SMC202TEST, SMC200TEST
IQH0F2002C, SMC200TEST

2.4.5 Battery Information

In the battery device details, tap "More" to enter the Battery Information page. View real-time voltage data for BCU, Module, and Cell hierarchically. The data viewed for MBMS and BCU devices differs:

- MBMS Device: Views cell voltage data for all associated BCUs and their modules.
- BCU Device: Views cell voltage data for the modules managed by itself.

① BCU

- Cards are displayed sequentially according to the numbers of BCUs associated with the MBMS (e.g., BCU_1). Each card shows the "Total Vol" of the corresponding BCU.
- Tap a BCU card to enter the Module level page for that BCU and view voltage data for its modules.

② Module

- Displays all modules under the current BCU (e.g., #1 Module). Each card shows the "Max Voltage" and "Min Voltage" of the corresponding module.

Tap a Module card to enter the Cell level page for that module and view individual cell voltage data.

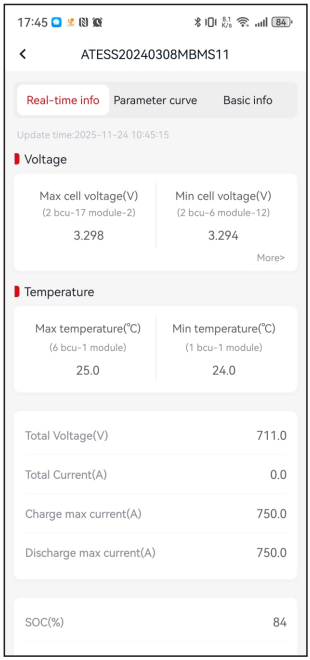
③ Cell

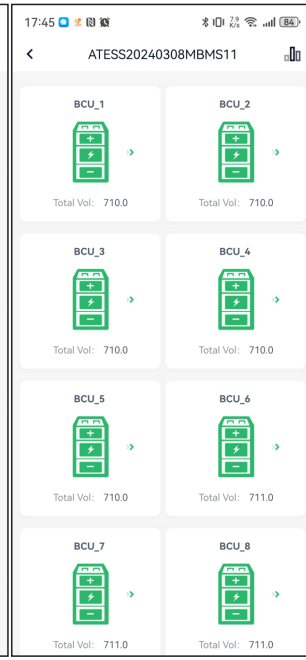
Displays all individual cells under the current module (e.g., #1 Cell). Each card shows the voltage data for the corresponding cell.

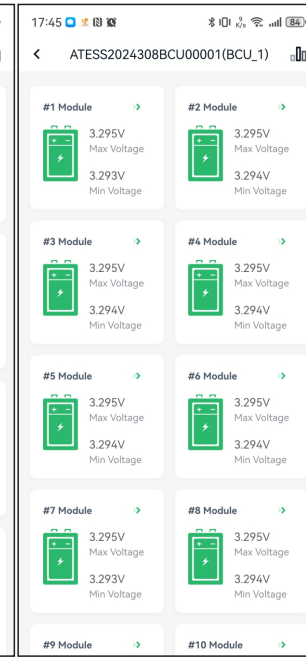
④ Voltage Curve

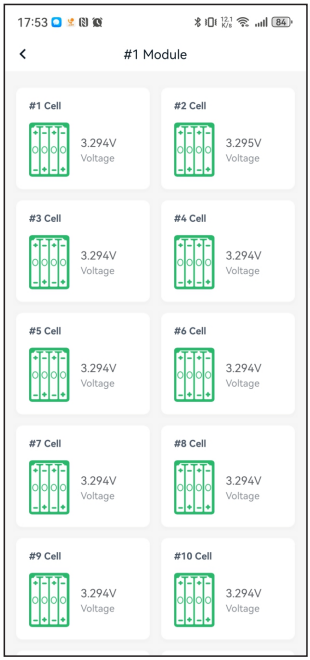
In the top right corner of the BCU and Module pages, tap the "Chart icon" to view the voltage curve.

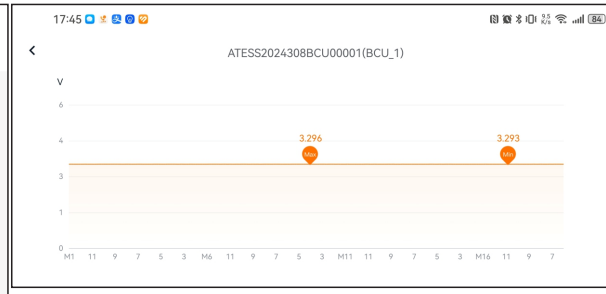
- Presents the voltage distribution of all individual cells under the current BCU as a trend chart. Curve height corresponds to voltage value.
- The chart marks "Max" and "Min" identifiers, linked to the corresponding modules. The curve fluctuations intuitively show the voltage consistency and variation among cells, helping quickly identify abnormal cells.


17:45
ATESS20240308MBMS11
Real-time info
Parameter curve
Basic info
Update time:2025-11-24 10:45:15
Voltage
Max cell voltage(V)
(2 bcu-17 module-2)
3.298
Min cell voltage(V)
(2 bcu-6 module-12)
3.294
More>
Temperature
Max temperature(℃)
(6 bcu-1 module)
25.0
Min temperature(℃)
(1 bcu-1 module)
24.0
Total Voltage(V) 711.0
Total Current(A) 0.0
Charge max current(A) 750.0
Discharge max current(A) 750.0
SOC(%) 84


17:45
ATESS20240308MBMS11
BCU_1
Total Vol: 710.0
BCU_2
Total Vol: 710.0
BCU_3
Total Vol: 710.0
BCU_4
Total Vol: 710.0
BCU_5
Total Vol: 710.0
BCU_6
Total Vol: 711.0
BCU_7
Total Vol: 711.0
BCU_8
Total Vol: 711.0


17:45
ATESS2024308BCU00001(BCU_1)
#1 Module
3.295V
Max Voltage
3.293V
Min Voltage
#2 Module
3.295V
Max Voltage
3.294V
Min Voltage
#3 Module
3.295V
Max Voltage
3.294V
Min Voltage
#4 Module
3.295V
Max Voltage
3.294V
Min Voltage
#5 Module
3.295V
Max Voltage
3.294V
Min Voltage
#6 Module
3.295V
Max Voltage
3.294V
Min Voltage
#7 Module
3.295V
Max Voltage
3.293V
Min Voltage
#8 Module
3.295V
Max Voltage
3.294V
Min Voltage
#9 Module
#10 Module


17:53
#1 Module
#1 Cell
3.294V
Voltage
#2 Cell
3.295V
Voltage
#3 Cell
3.294V
Voltage
#4 Cell
3.294V
Voltage
#5 Cell
3.294V
Voltage
#6 Cell
3.294V
Voltage
#7 Cell
3.294V
Voltage
#8 Cell
3.294V
Voltage
#9 Cell
3.294V
Voltage
#10 Cell
3.294V
Voltage


17:45
ATESS2024308BCU00001(BCU_1)
V
6
4
3
1
0
3.296
Max
3.293
Min
M1 11 9 7 5 3 M6 11 9 7 5 3 M11 11 9 7 5 3 M16 11 9 7

2.5 Home Page

The Power Plant Home Page is used for real-time monitoring of system operational data. Core information is as follows:

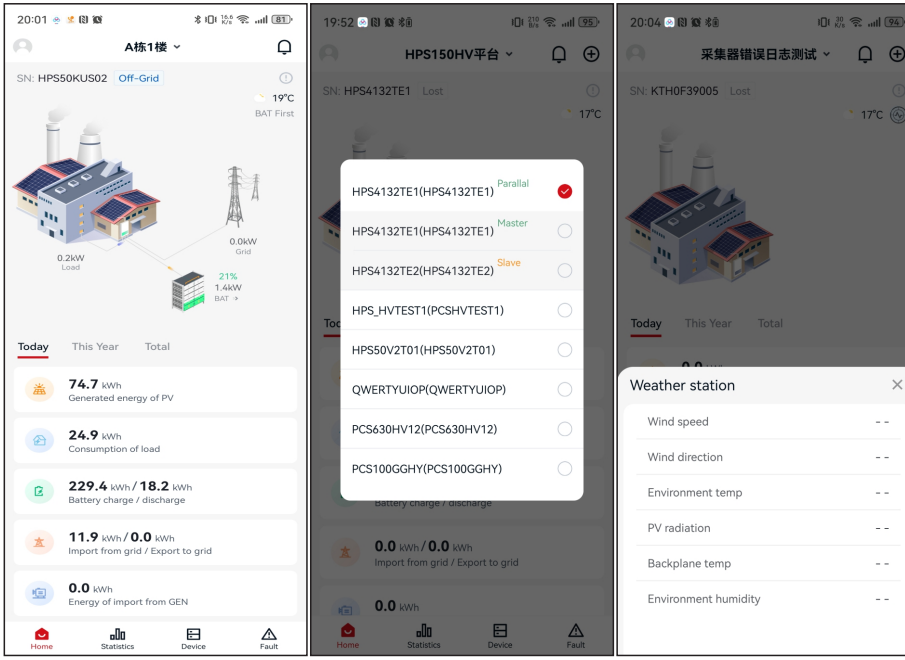
① System Switch (Dropdown): The dropdown options are the SNs of HPS/PCS devices. You can select to view total parallel system data or individual device data.

② System Status: Displays the status of the HPS/PCS device (in a parallel scenario, the master device status is displayed by default).

③ System Diagram: Intuitively displays the system's energy flow trends (e.g., PV supplying power to loads/batteries, energy interaction between grid and system, etc.). The top right includes:

- Current operating mode (e.g., "Load priority").
- The current day's weather and ambient temperature at the power plant location.
- Data from connected environmental monitors (not displayed if not connected).

④ Energy Statistics (Energy): Statistics for PV generation, load consumption, battery charge/discharge amount, grid feed-in/take amount, and generator take amount are provided in three dimensions: "Today / This year / Total". For specific indicator descriptions, refer to the web version.



2.6 Data Statistics

This page supports statistics and trend analysis of power plant system parameter data across Day / Month / Year / Total dimensions:

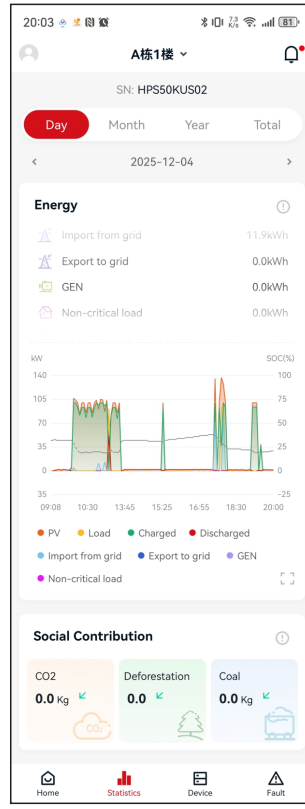
① Query Dimension Switch: Use the top "Day/Month/Year/Total" options to switch between statistical data for different time ranges.

② Carousel Statistics: Displays the cumulative energy for each parameter within the selected time range (e.g., selecting "2023-01-01" shows the value for that day, selecting "2023-01" shows the value for that month).

③ Data Charts:

- Query by "Day": Displays real-time power and SOC trend curves for each parameter.
- Query by "Month/Year/Total": Displays power generation trend curves for each parameter.
- Supports tapping for full-screen viewing of chart details.

④ Social Contribution Statistics: Displays cumulative values for "CO_2 Reduction", "Forest Preservation", and "Coal Saving". Calculation logic: Cumulative PV power generation of the power plant × the corresponding coefficient entered when adding the power plant.



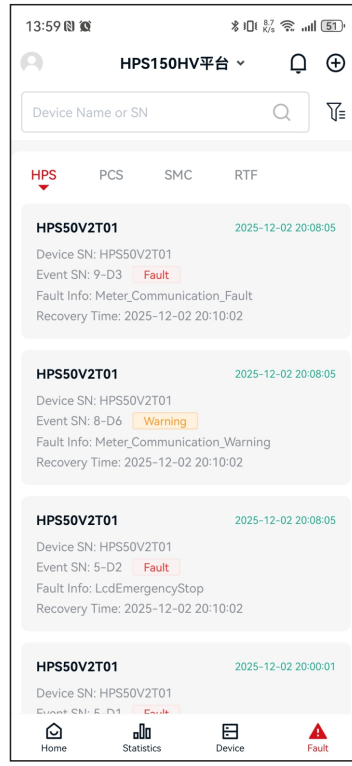
2.7 Fault Information

This page centrally manages fault data for all devices under the power plant:

① Fault information is displayed categorized by device type (e.g., HPS, BMS). Each fault entry includes device SN, event SN, fault type, occurrence time, etc.

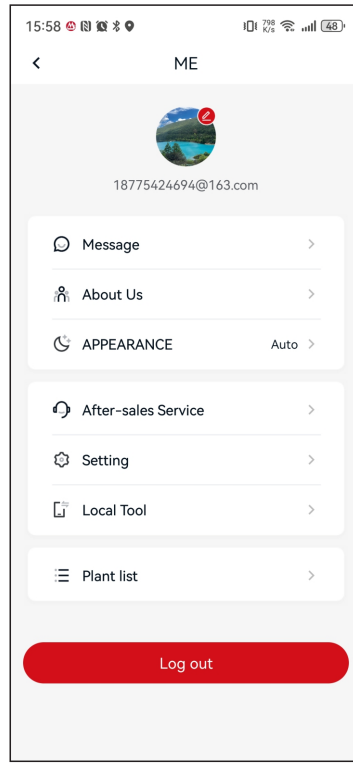
② When the "Recovery Time" field is empty, it indicates the fault is currently active. A specific time displayed means the fault has been recovered.

③ Enter a "Device Name or SN" in the top search box to quickly filter target fault information based on conditions.



2.8 Me

This page is the account and function management center, managing account information, message center, about us, theme switching, settings, and other functions. Tap the 'Log out' button to exit the system and return to the login page.



2.8.1 Account Information

On the "ME" page, tap the avatar to jump to the Account Information page.

① Configurable Items:

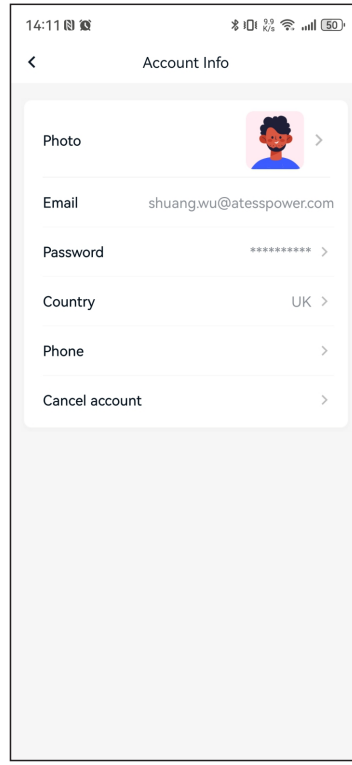
Photo: Tap to modify the account avatar.

Password: Tap to enter the password change page (requires verification of the old password).

Country/Phone: Tap to edit the corresponding information.

Cancel account: If the account is no longer needed, you can operate "Cancel account" to perform account cancellation. After cancellation, the account and its associated information such as power plants will be cleared.

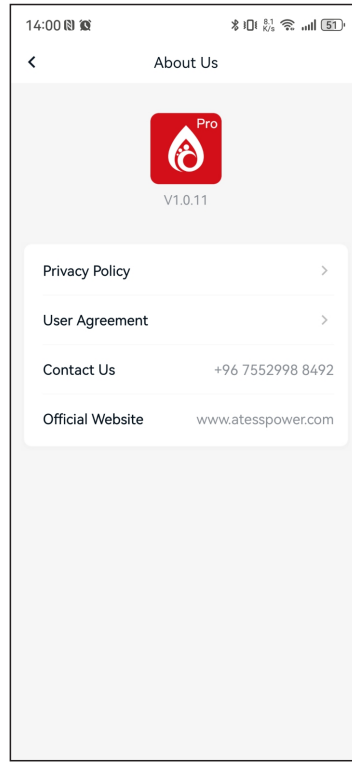
② Fixed Information: Email is the account registration email and cannot be directly modified.



2.8.2 About Us

You can view the App's current version, agreements, as well as our contact information, official website, etc.

If there is a new version update for the App, "Update" will be displayed after the version number. Tap it to jump to the download page to get the latest version.

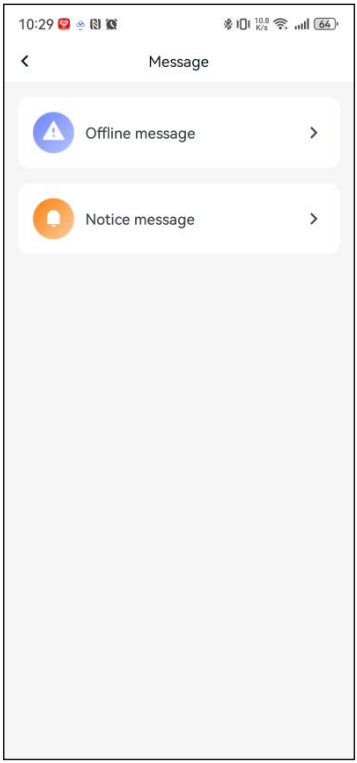


2.8.3 Message Center

The Message Center contains two types of notifications. Tap the corresponding entry to view details.

① Offline Messages: When a device or power plant status changes from "Online" to "Offline", the system automatically pushes this type of message to notify of the status change.

② Announcement Messages: Official messages released by the platform, such as product usage instructions, service adjustments, and activity notifications.



2.8.4 Appearance Theme

On the "Me" page, tap APPEARANCE. An appearance selection window will pop up:

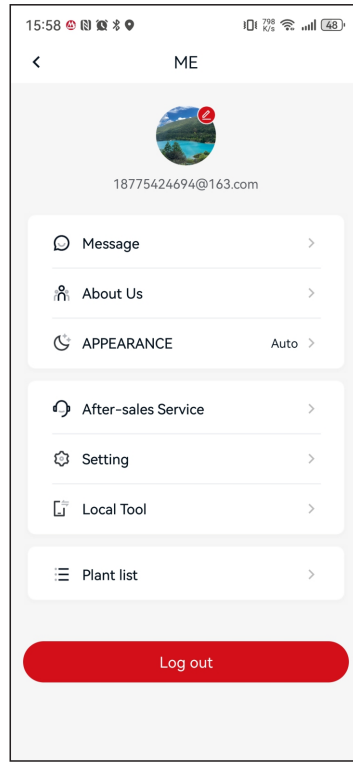
① Appearance Options

Light: Fixed light mode display.

Dark: Fixed dark mode display.

Auto: Automatic switching mode (Light from 6:00-18:00, automatically switches to Dark from 18:00-6:00).

② Apply Operation: After selecting the corresponding option, tap OK. The App appearance will immediately switch according to the settings.



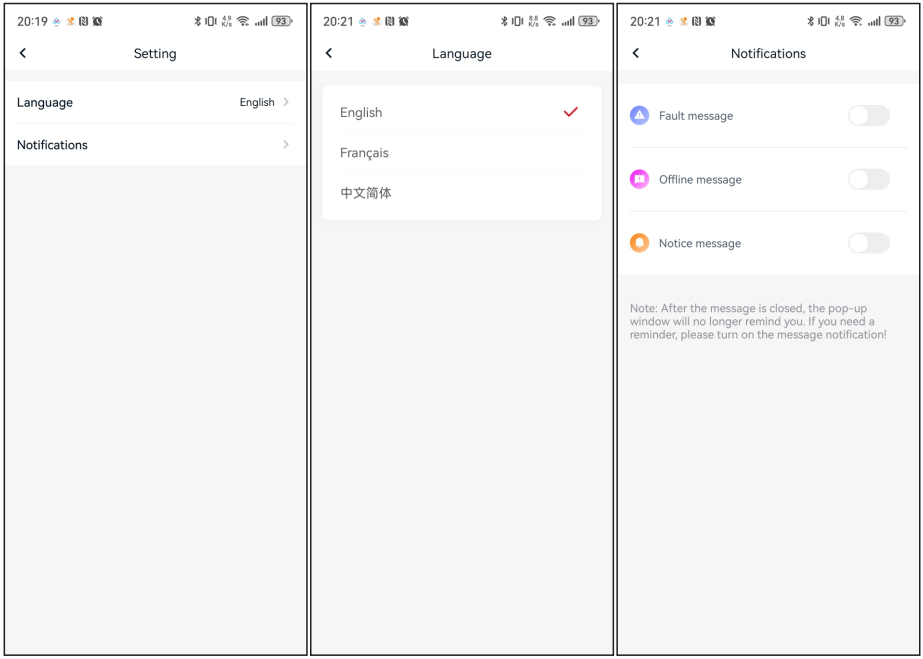
2.8.5 Settings

① Language Setting: This function is used to customize the display language within the App. After tapping to enter the language selection interface, choose your preferred language from the provided list (e.g., Simplified Chinese, English, etc.). After selection, menus, text, and other content within the App will switch to the corresponding language and take effect immediately.

② Message Settings: Manages notification permissions for messages. The interface provides independent control switches for each message type.

- Fault Notification: Controls the alert switch for device faults.
- Offline Notification: Controls the alert switch for device or power plant offline status.
- Announcement Notification: Controls the alert switch for various official announcements released by the platform.

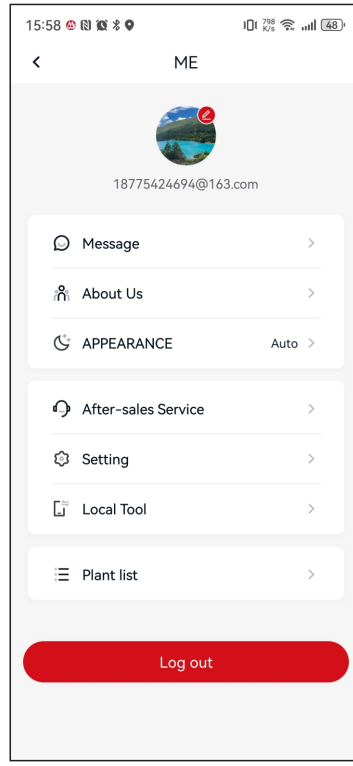
After turning off the corresponding switch, your phone will no longer receive pop-up notifications for that type of message. You can only view historical messages by entering the Message Center later.



2.8.6 After-sales Service Center

① Access Method: On the "Me" page, tap After-sales Service to jump to the After-sales Service Center page.

② Function: This module is the entry point for obtaining official after-sales support, providing services such as after-sales service application and application progress inquiry.



2.8.7 Local Tools

① WiFi Configuration

If the device has been successfully added to the App but requires reconfiguration of the network, you can initiate the operation through this entry. Follow the steps to scan or enter the collector device SN, click "Next", and then complete the network configuration process according to the page instructions.