Contents

RoyPow Monitoring Platform APP User Manual

I. Function Overview

RoyPow, the app that empowers you to effortlessly keep track of your home energy storage system's power generation and usage, anytime, anywhere.

(I) Device Status: Get a comprehensive view of your device's operational status and detailed data.

1. The app offers an overview of your device, providing real-time insights into its performance, energy production, consumption, energy flow diagrams, as well as real-time and statistical data.

(II) Device Details: Monitor your device's real-time operation and perform various device-related actions, including editing, deletion, and upgrades.

1. In the app, users can modify station information and device details.

2. After receiving a device version upgrade notification from the management system, users can upgrade the device within the app.

3. Users can also access real-time, in-depth parameter information and historical logs for their devices.

5. Users can monitor device operation in real-time, adjust parameters, and change device names.

6. Users can monitor device operational status, manage devices, check alarms, and perform mobile operations.

(III) More: You can configure personal information, device network settings, message preferences, and access additional usage assistance.

(IIII) Users can download RoyPow by searching for it on both the (IOS) App Store and (Android) Google Play platforms. Note: There are differences in the display interface and interaction between the Android and IOS sections, which are noted.

Special Note: To ensure this app's functionality and security, we may need to request certain permissions from your device's operating system while it's in use. These permissions are solely for the app to work correctly, and rest assured, we do not gather or share your personal information with external parties.

Scan iOS QR code todownload

Scan Android QR code to download

II. User Registration and Log In

2.1 User Registration

Users can register on both the APP and Web platforms using their email. The registration information entered on both platforms should be consistent. To register, simply enter the required information during registration and click to the register button. Email Registration: Click the **desktop icon** -> Click "**Register**" on the login page (as shown in Fig. 2.1.1)-> **Enter your email** -> **Enter the verification code** -> **Set your password** -> **Confirm your password** -> **Review the terms of service and check the box** -> Click "**Register**", as shown in Fig. 2.1.2.

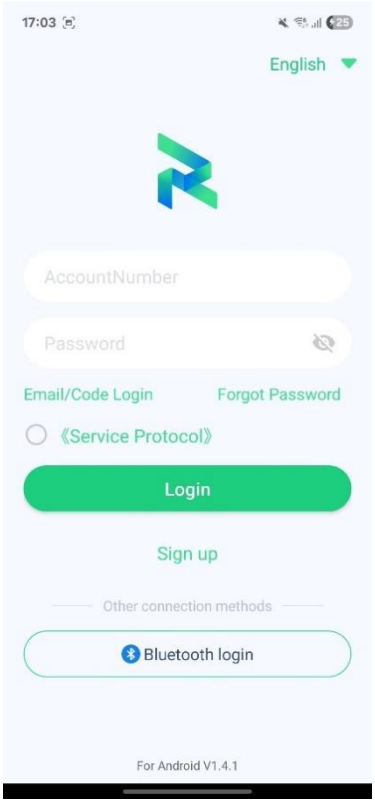


Fig. 2.1.1 Log In

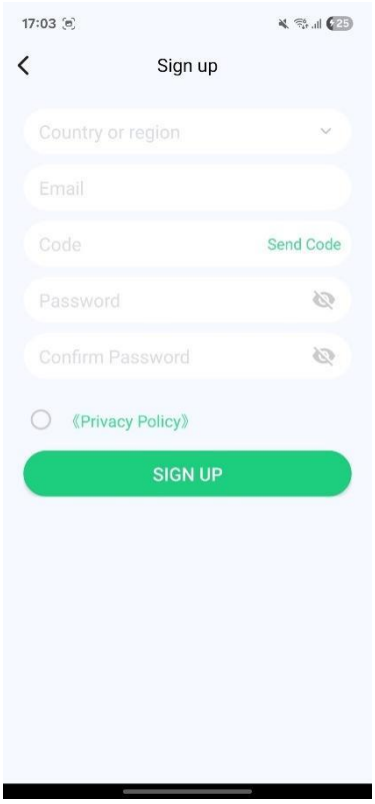


Fig. 2.1.2 User Registration

2.2 Log In

After registration, you can log in. If you don't have an account, please sign up before logging in.

Password Login: Click the **desktop icon** -> **Enter your username** (which is your email) -> **Enter your password** -> **Login**, as shown in Fig. 2.2.1.

Login with authentication code: Click the **desktop icon** -> **Email/Verification Code Login** (Fig. 2.2.2) -> Email address (Fig. 2.2.3, Email) -> **Send verification code** -> **Enter the verification code** -> **Login**.

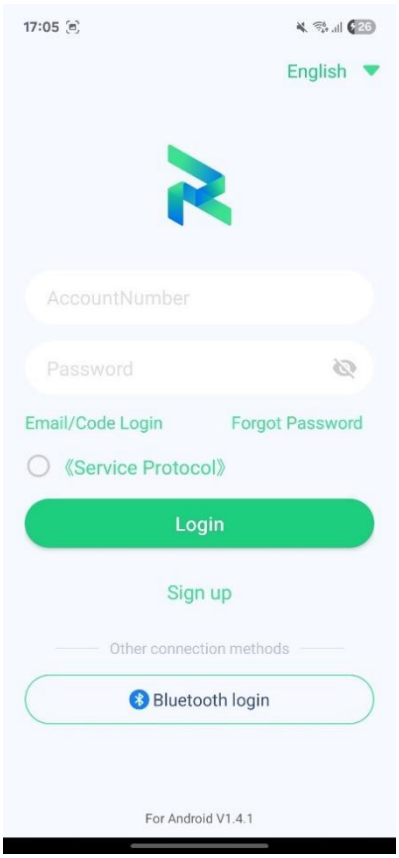


Fig. 2.2.1 User Registration

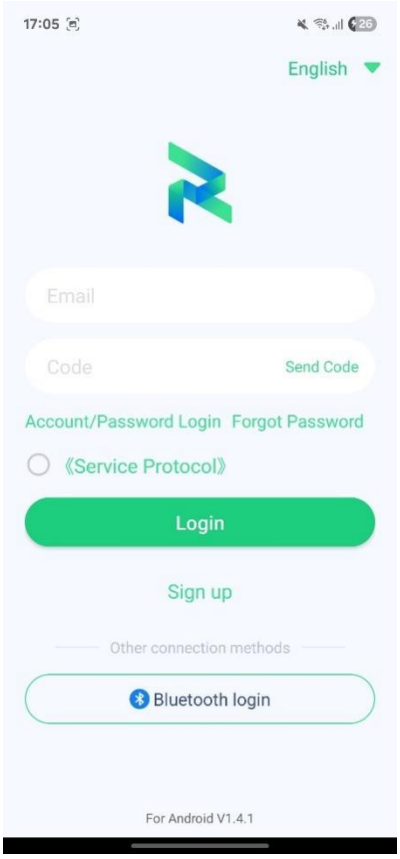


Fig. 2.2.2 Login with authentication code

2.3 Adding a Power Station

After you've successfully registered and logged in for the first time, you'll automatically be redirected to the page where you can add a new power station. Here, you'll need to enter the necessary information for your power station (see Fig. 2.3.1: Add Power Station). Once you've completed the power station setup, you will be guided to the section for adding inverters (see Fig. 2.3.2: Add Inverter). Simply follow the prompts to enter the required inverter details and click "**Add**". To enable online monitoring of the newly added inverter, you will need to configure its network settings on both the APP and web platforms. If you create a power station but forget to add an inverter before closing the application, the APP will remind you to add an inverter when you log in next time.

Note: Keep in mind that to access monitoring data, your user account must have **at least one power station with one configured inverter**. On the APP platform, you have the option to scan the machine's QR code. This feature automatically fetches machine information from the server and fills in the details for you. You can then make any necessary adjustments.

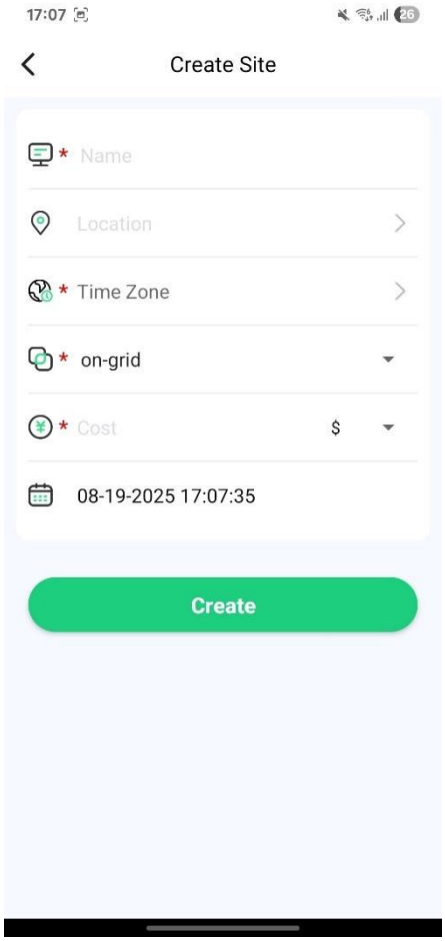


Figure 2.3.1: Add Power Station

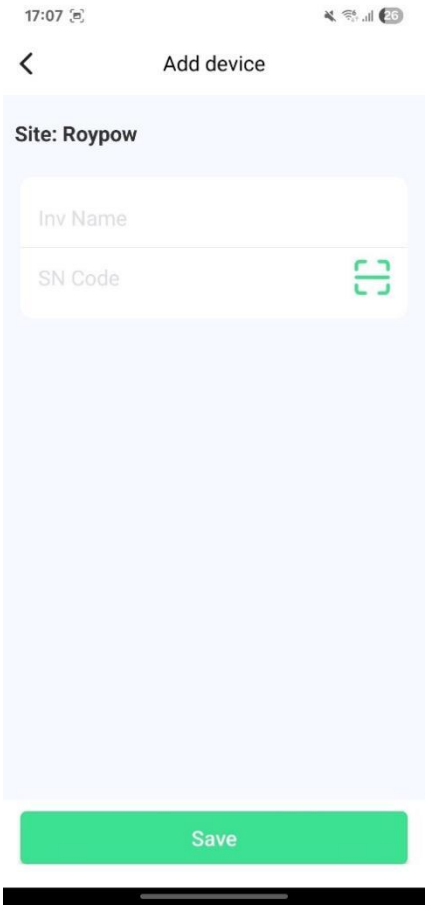


Figure 2.3.2: Add Inverter

2.5 WIFI Configuration

To set up the device's WIFI, first connect to the device's Bluetooth, then enter the WIFI network name and password for internet access. After completing the device addition for the first time in the previous Section 2.3, the WIFI configuration interface will automatically appear. (Users can also access this interface by navigating to "More" -> "Settings" -> " WIFI Configuration".) The interface is shown in Fig. 2.5.1.

Area 1: Scan and connect to the device's Bluetooth.

Area 2: Scan for nearby WIFI network names.

Area 3: Selecting this option will save the entered WIFI password as the default.

For example: (If the inverter's Bluetooth name is "RoyPow308398688D92", and the WIFI network name is "RoyPow-SZ-2.4" with the password "roy950049").

WIFI Configuration Steps:

1.Click the icon in the top-right corner labeled "**Bluetooth**" in Area 1 as shown in Fig. 2.5.1. Scan and click to connect to the Bluetooth of the inverter, "**RoyPow308398688D92**" (as shown in Fig. 2.5.2). Bluetooth must be successfully connected before proceeding to the WIFI configuration.

2.You can also click the icon in Area 2 as shown in Fig. 2.5.1, which will automatically scan for nearby WIFI networks (as shown in Fig. 2.5.3), click **WIFI: RoyPow-SZ-2.4** (users can manually input the WIFI SSID as well).

Enter the corresponding **WIFI password: roy950049** (You can check the icon in Area 3 if you want to save the WIFI password, or leave it unchecked).

3.After the Bluetooth is connected, enter the WIFI SSID and password, then click "**Configure**". A pop-up will confirm the successful configuration, as shown in Fig. 2.5.4.

If you didn't perform network configuration immediately after adding the inverter for the first time, both the APP and web platforms on your mobile device will be unable to retrieve any data related to the inverter. In such cases, you'll need to configure the network settings for the inverter once more. You can repeat these steps or make modifications under "**More**" -> "**Settings**" -> "**WIFI Configuration**".

Note: WIFI configuration for the device can only be performed through the mobile app. Additionally, the device needs to be network-configured to access device-related data, monitor, and view device information.

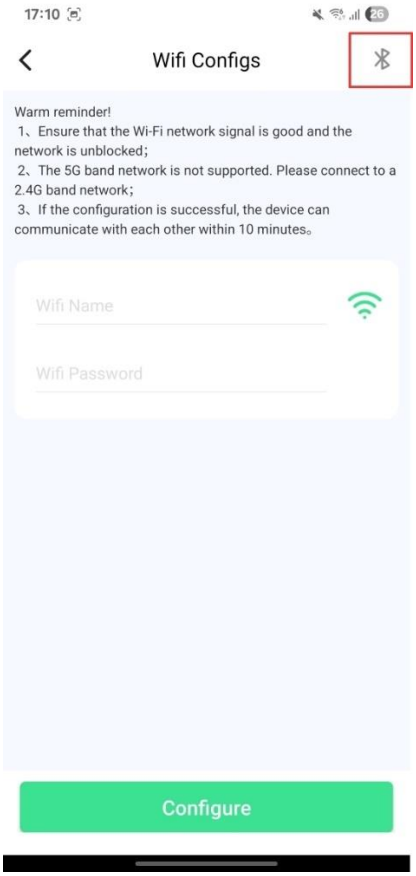


Fig. 2.5.1 WIFI Configuration

Fig. 2.5.2 Bluetooth Search and Connection

Fig. 2.5.3 WIFI Network Scan

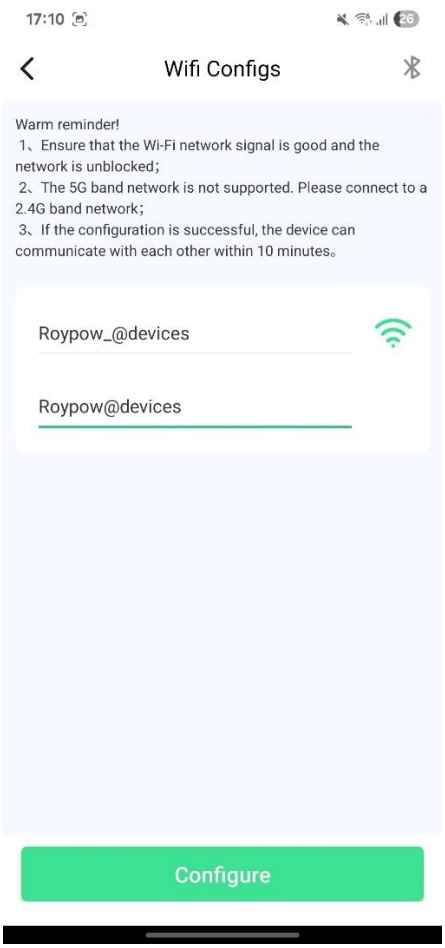


Fig. 2.5.4 WIFI Configuration Successful

2.6 Forgot Password

If you forget your password, simply click on Forgot Password on the login page. You'll receive a verification code in your registered email. Use this code to reset your password. Once you've successfully reset it, you can log in with your new password. The interface is shown in Fig. 2.6.1

Fig. 2.6.1 Forgot Password

2.7 Language Selection

"Choose your preferred language" on the login page or change the language settings it in the "More" after logging in, as shown in Fig. 2.7.1 and Fig. 2.7.2.

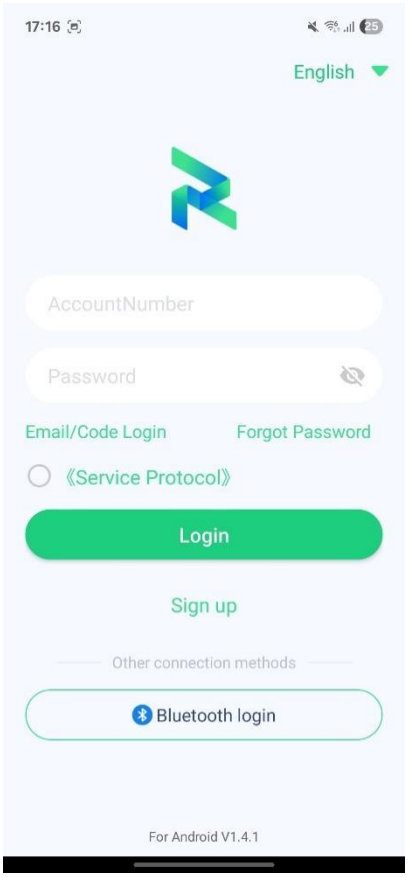


Fig. 2.7.1 Language Selection

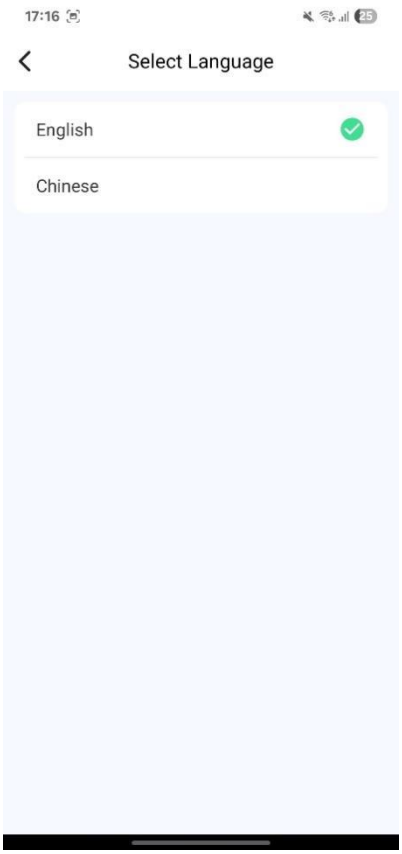


Fig. 2.7.2 Language Selection

III. Device Status

After a successful login, you'll be taken directly to the "Device Status" page. If you have multiple inverters, it will show detailed information for one of the online inverters by default. as shown in Fig. 3.1.

Detailed Information Includes:

1.Adding devices (in Area 1 of Fig. 3.1).

2.Operating modes (in Area 2 of Fig. 3.1).

3.Device selection (in Area 3 of Fig. 3.1).

4.Real-time energy status: This shows the energy status including PV, battery, grid, load, and the central inverter, along with the device's online status (in Area 4 of Fig. 3.1).

5.Daily, monthly, and yearly total electricity sales revenue data (in Area 5 of Fig. 3.1).

6.Device data: Real-time data, statistical data, and device information (in Area 5 of Fig. 3.1). For details on each area, please refer to the following subsection.

Fig. 3.1 Device Status

3.1 Add Device

On the "Device Status" page, click the "" icon in the upper right corner, and follow the prompts to enter the information of the inverter you want to add. Click "Add" to add the new inverter. As shown in Fig. 3.1.1.

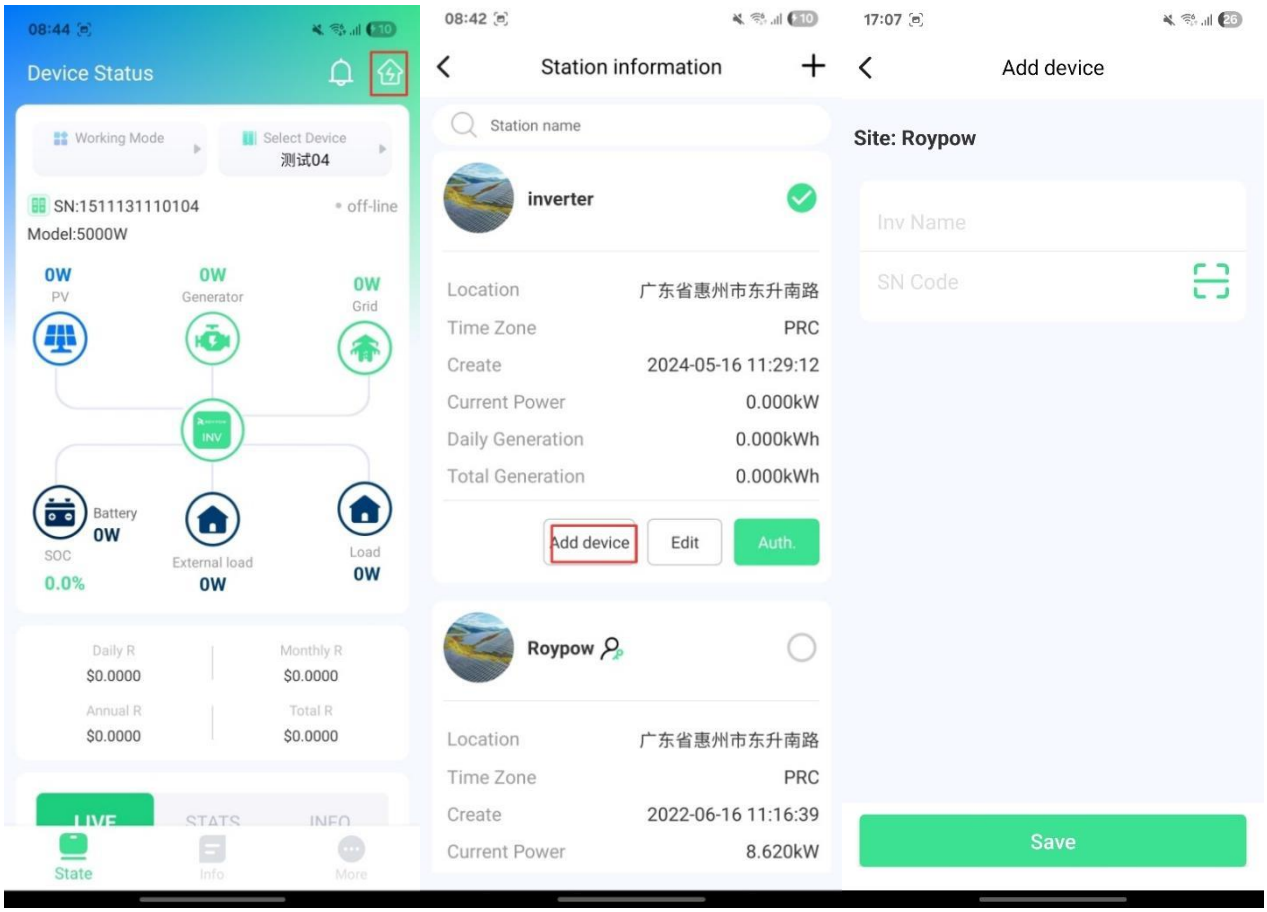


Fig. 3.1.1 Add Inverter

3.2 Operating Modes

Users can choose from three different operating modes based on their needs. On the "Device Status" page, click on "**Operating Modes**" (in Area 2 of Fig. 3.1). This will take you to a new page where you can select one of three working modes: "Self-consumption", "Battery Priority" or "Peak Shaving". After choosing the desired mode, click "**Save**". A pop-up will confirm the successful save, as shown in Fig. 3.2 and Fig. 3.3.

Self-consuming: The electricity generated by the PV system is used for battery charging and powering the load. Excess energy from the PV system is not sent to the grid, and the system does not draw power from the grid.

Battery-first: The load's electricity needs are primarily drawn from the battery. Only when the battery is depleted will electricity be drawn from the grid to supply the load.

Peak-load shifting: Typically, grid electricity prices vary based on peak and off-peak usage times. Electricity prices are higher during peak hours and lower during off-peak hours. In the "Peak Shaving" mode, users can customize the charging and discharging times of the battery. During off-peak hours, the PV system charges the battery, and the lower-priced grid electricity is used to power the load. During peak hours, the system stops drawing electricity from the grid and uses the battery's stored energy to power the load. This way, users can meet their electricity needs throughout the day, optimize battery usage, and avoid using expensive grid electricity during peak hours.

Note: Customizing the battery's charging and discharging times in the "Peak Shaving" mode is shown in Fig. 3.4.

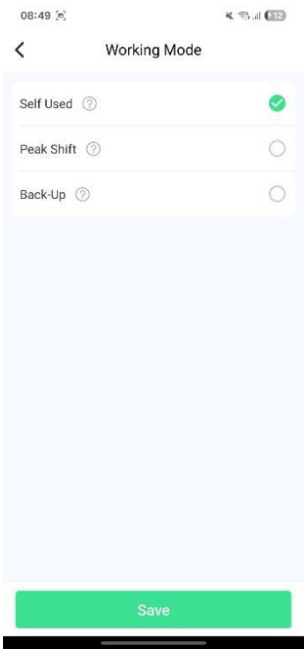


Fig. 3.2 Work Mode 1

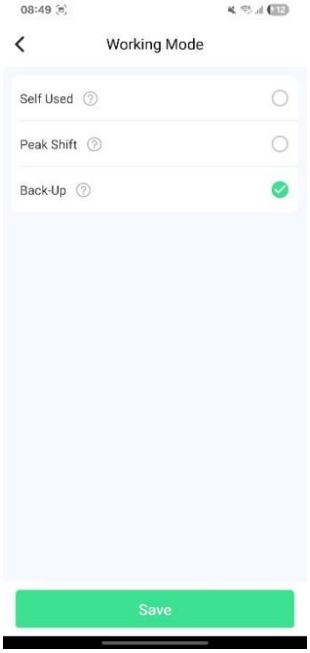


Fig. 3.3 Work Mode 2

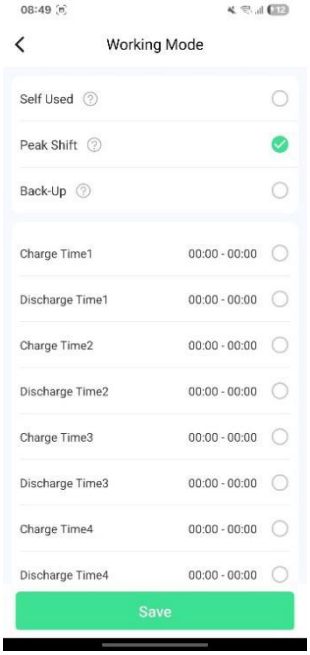


Fig. 3.4 Peak Shaving Mode

By default, the inverter is set to operate independently. However, users can choose to change this setting based on their needs. On the "Device Status" page, click on "Connection Mode" (in Area 2 of Fig. 3.1). This will take you to a new page where you can select one of three connection modes: "Independent", "Parallel" or "Constant Voltage". After choosing the desired mode, click "**Save**". A pop-up will confirm the successful save, as shown in Fig. 3.5 and Fig. 3.6.

Independent: In this mode, the inverters in the station operate independently as single units. This mode is the default connection mode.

Parallel: In this mode, multiple inverters in the station operate in parallel. This mode can be configured when a user has multiple inverters.

Constant Voltage: In this mode, the input voltage of the inverter remains constant.

3.3 Device Selection

If you have not yet added inverters to their power station, you need to add inverters before you can view device information. If you have added only one inverter, you can only view that inverter's information and cannot select a

ifferent device. However, if you have added multiple inverters, you can choose one device for viewing data or modifying settings. For example: Software-simulated device 1236547890123856.

In the "Device Status" page, click on **"Device Selection"** (in Area 1 of Fig. 3.1). A dropdown list will appear, and you can click on the **software-simulated device 1236547890123856** to view its data or modify its settings, as shown in Fig. 3.7.

Fig. 3.7 Device Selection

3.4 Real-time Energy Status

On the "Device Status" page, you can see the visual representation of device online status and real-time energy status (in Area 4 of Fig. 3.1). Online device status is shown in Fig. 3.8, where there are four directional lines representing energy dynamics.

1.PV to Inverter: PV supplies power to the inverter, and energy flows in one direction.

2.Battery to Inverter: The battery is discharging; if the flow is reversed, it indicates the battery is charging.

3.Inverter to Load: The inverter supplies power to the load, and energy flows in one direction.

4.Inverter to Grid: The inverter is selling electricity; if the flow is reversed, it indicates the inverter is buying electricity.

Offline device status is shown in Fig. 3.9. When a device is offline, the inverter should be turned off. If the inverter is still operating when the device is offline, you should check if network configuration has been completed after adding the device or if the previously configured WIFI have internet access. If network configuration has not been completed or if the network is not working, the device needs to be configured for the network again (refer to

Section 2.5 WIFI Configuration for specific steps on inverter network configuration). When the device is offline, you will not be able to access device real-time and statistical data.

PV value: Indicates the total output electricity from the PV (Photovoltaic) system of the current device.

Battery value: Represents the total discharged electricity from the battery.

Grid value: Shows the total electricity supplied by the current device to the grid.

Load value: Displays the total electricity delivered by the inverter to the load.

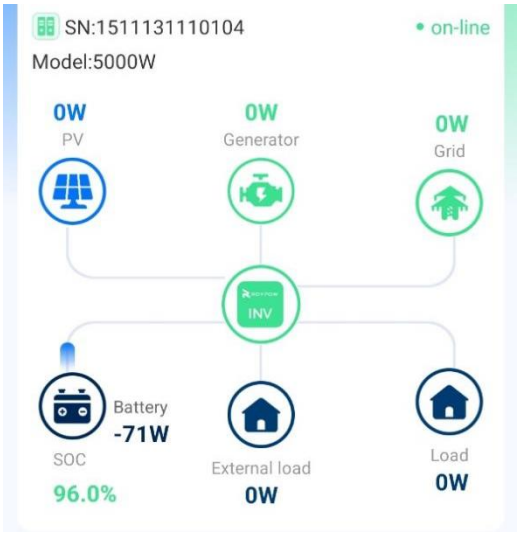


Fig. 3.8 Device Online

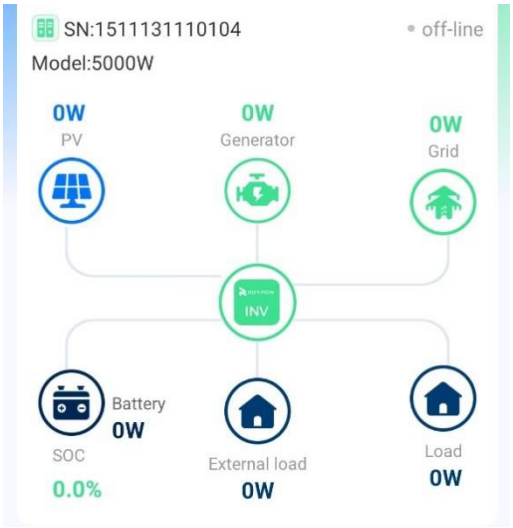
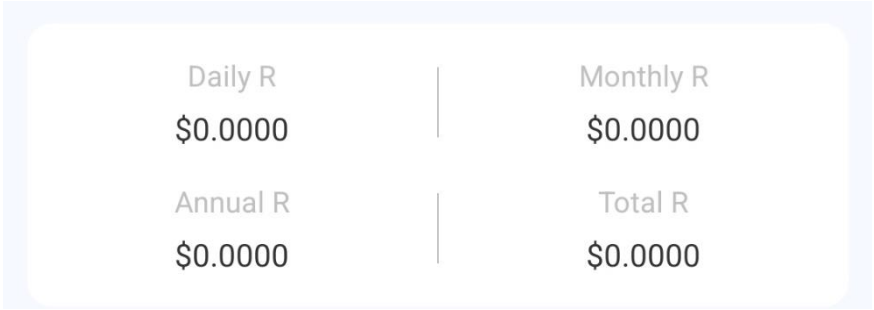


Fig. 3.9 Device Offline

5.Daily, Monthly, and Yearly Total Electricity Price Earnings.



Device Earnings Chart

3.5 Device Data

In the "Device Status" interface, you can find detailed device data (in Area 5 of Fig. 3.1) The device data section includes: Real-Time Data, Statistical Data and Device Overview For a detailed explanation of the data, please refer to the following sections.

In both the "Real-Time" and "Statistical" interfaces, you'll see two circular energy ratio charts for PV power and

grid electricity generation.

The first chart displays real-time PV electricity generation.

The second energy ratio chart represents the total ratio of electricity sold to the grid and electricity purchased from the grid by the current inverter. If the current inverter sells more electricity to the grid than it buys, the value in this chart will be positive. Conversely, if the inverter buys more electricity than it sells, the value will be negative.

3.5.1 Real-time device data

In the "Device Status" page, click "**Real-Time**" (in Area 5 of Fig. 3.1) to view real-time dynamic data for the current device. You can view the following parameters in real-time data:

1."PV": Electricity generated by the PV side.

2."Load": Electricity consumed by the load side.

3."Grid": Electricity fed into the grid by the inverter.

4."Battery": Current battery charge value. You can click on any of these parameters to view a graph showing the electricity consumption or generation for that parameter during the selected time period. You can slide and zoom on the graph for a closer look. This functionality is also available in the "Statistical" data. The real-time data interface is shown in Fig. 3.10.

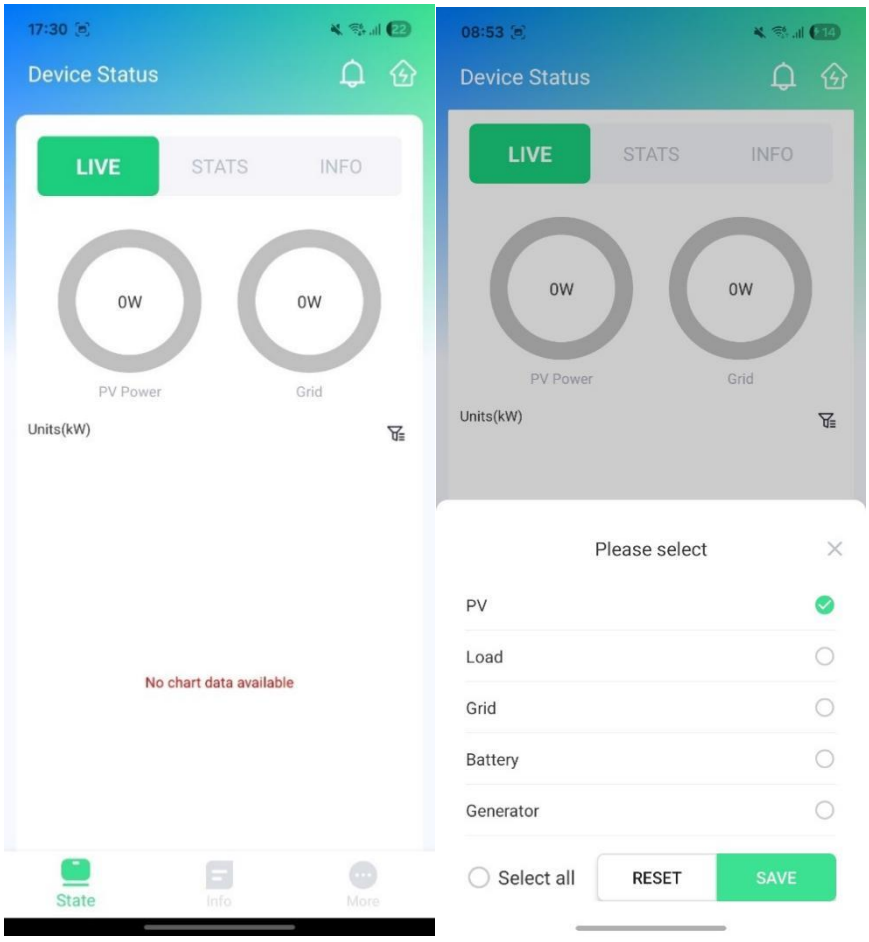


Fig. 3.10 Real-time Data

3.5.2 Device statistical data

To view statistical data, click on "Statistical" in the "**Device Status**" page. You can select the time units for

statistical data: year, month, or day. To view data for a specific time period, choose the year, month, and date options accordingly. For example, to view statistical data for October 2022, select "Month" in the year-month-day options (as shown in Fig. 3.11), then choose "2022-10" in the specific time options (as shown in Fig. 3.12). After making these selections, you can view the statistical data for that time period, as shown in Fig. 3.13.

Year: Displays statistics for each month within the selected year January to December.

Month: Displays statistics for each day within the selected month.

Day: Displays the total statistics for the selected specific date.

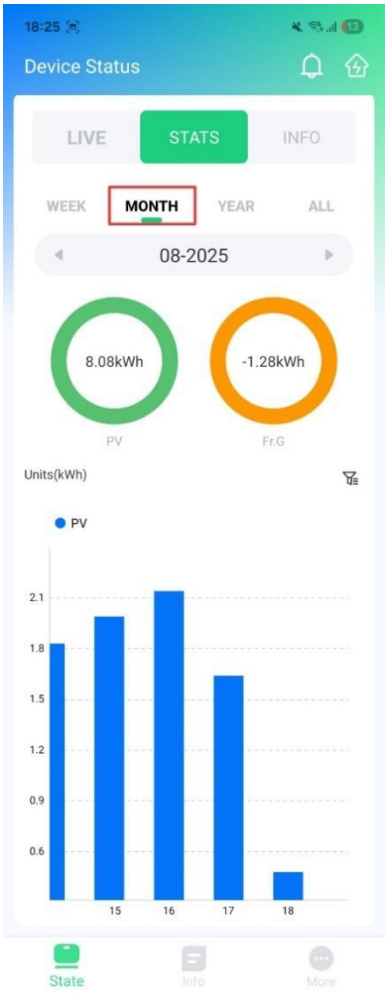


Fig. 3.11 Selecting Month

Fig. 3.12 Selecting 2022-10

Fig. 3.13 October, 2022 Statistical Data

3.5.3 Device Overview

In the "Device Status" page, you can click on "**Device Overview**" to view information about the current device.

The device overview includes the following information: Name, location, time zone, time added, grid connection type, installation cost, and investment date, as shown in Fig. 3.14.

Name: The name of the power station.

Location: The latitude and longitude coordinates of the power station's location.

Time Zone: The time zone of the power station.

Time added: The date and time when the power station was initially added.

Grid connection type: Grid Connection Type:

Installation fee: Whether the power station is connected to the grid or off-grid.

Installation Cost: Whether the power station is connected to the grid or off-grid.

Note: The values above are for reference only: 2.3 Values entered by the user when adding the power station.

3.14 Device Overview

IV. Device Information

After a successful login, when you're on the application's main interface, simply click on "**Device Information**". This will take you to the device information page, as shown in Figure4.1. On this page, you'll find a list of all the devices added to your current site. You can check the online status of devices, their serial numbers, current power output, daily energy generation, total energy generation, device details, and even report device issues.

Among these, Current Power: This indicates the total power output of the current device. Daily Energy Generation: This shows the total energy generated by the device on the current day. Total Energy Generation: This represents the overall energy generated by the current device. You can also access detailed device information and even report any issues.

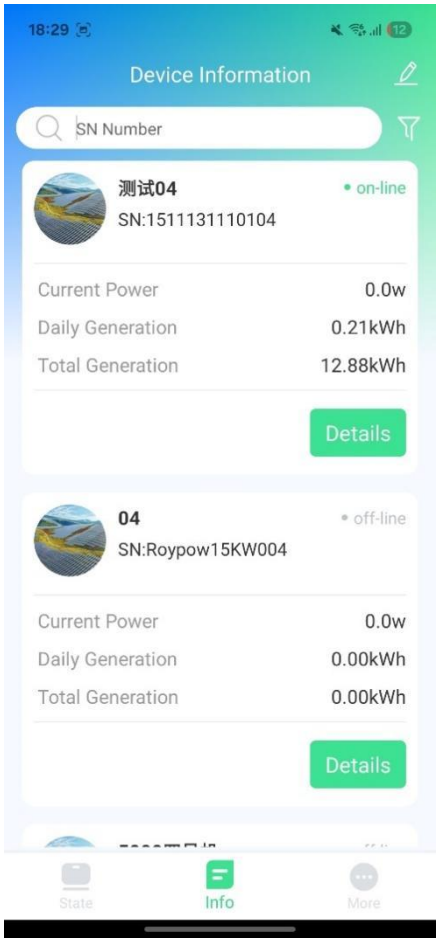


Fig. 4.1 Device Information Page

4.1 Searching for a Device

In the "Device Information" page, click on the input box above "Site" (as illustrated in Fig. 4.2). Then, simply enter the serial number of the device you wish to search for within your current station.

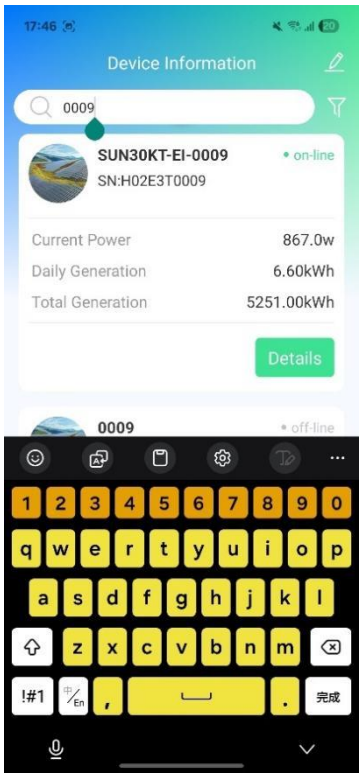


Fig. 4.2 Search for a device

4.2 Edit Station

In the "Device Information" page, click on the "" symbol in the upper right corner, and from the dropdown menu, select " **Station Editing** ". You'll see the interface displayed, as shown in Fig. 4.3.

Fig. 4.3 Edit Station

4.3 Edit Device

In the "Device Information" page, click on the "  " symbol in the upper right corner, and from the dropdown menu, choose " **Device Editing** " as shown in Fig. 4.4.

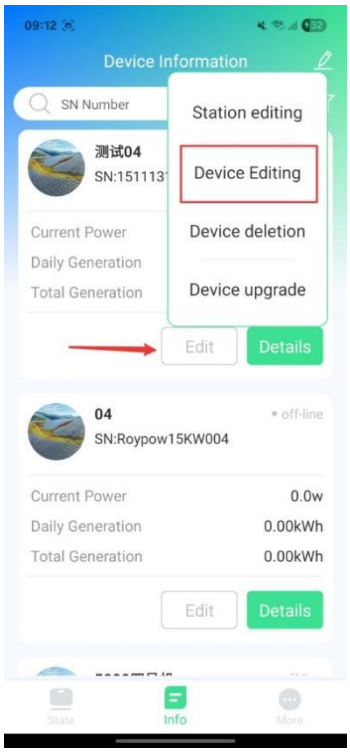


Fig. 4.4 Edit device

4.4 Delete Device

On the device status page, click the symbol in the upper right corner "", and choose "**Delete Device**" from the dropdown menu. Under each device, you will find a delete option. Click "**Delete**" for the device you wish to remove. A confirmation prompt will appear, and by selecting "Confirm," you can proceed with the deletion. If you accidentally clicked the delete button, you can choose "Cancel" in the prompt to cancel the deletion. as shown in Fig. 4.5~4.7.

Fig. 4.5 Delete Device 1

Fig. 4.6 Click Delete

4.5 Device Upgrade

In the "Device Information" page, click the symbol in the upper right corner "  " and choose "**Device Upgrade**" from the dropdown menu. Under each device, you will find an upgrade option. Click "**Upgrade**" for the device you wish to upgrade. A confirmation prompt will appear, and by selecting "Confirm," you can proceed with the upgrade. If you accidentally clicked the upgrade button, you can choose "Cancel" in the prompt to cancel the upgrade. The interface and steps are illustrated in Fig. 4.8~4.10.

Fig. 4.8 Device Upgrade 1

Fig. 4.9 Device Upgrade 2

4.6 Device Details

In the "Device Information" page, click on the device you want to view and choose "**Details**" to access the device's detailed information. The interface is shown in Fig. 4.11~4.12. The device details page provides comprehensive information in three sections: "Parameters", "Operations", and "Logs".

In the "Parameters" section, you can view the following details for the current inverter: Inverter SN code, machine type, inverter status, latest data refresh time, PV-related parameters, battery-related parameters, grid-related parameters, inverter-related parameters and load-related parameters.

In the "Operations" section, you can view the following details for the current inverter: Maintenance, grid connection standards, pricing settings, version management, and system settings for the current device.

In the "Details" page, you can view all the logs of the current inverter. For specific details, please refer to the following subsections.

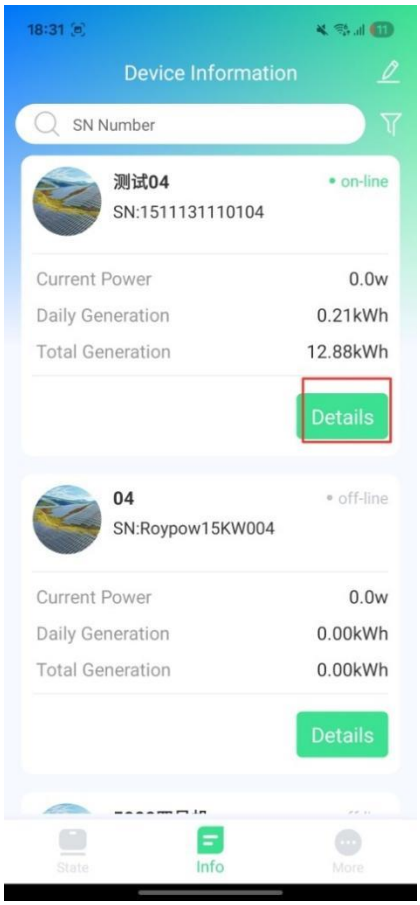


Fig. 4.11 Click Detail

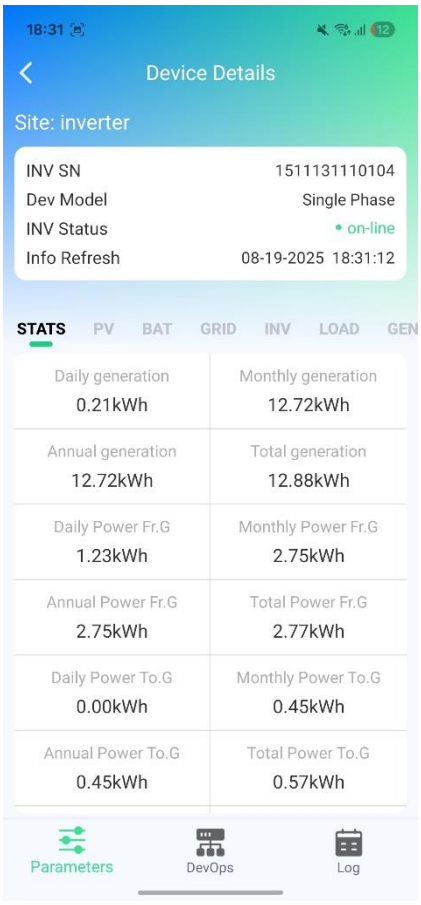


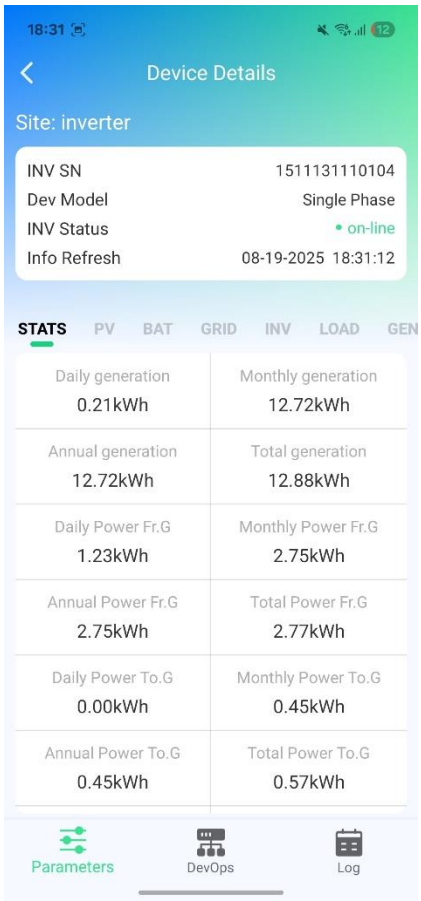
Fig. 4.12 Detail Page

4.6.1 Device Parameters

In the "Details" page, click on "**Parameters**" to access various parameters related to the current inverter. These parameters include the inverter's SN, WIFI SN, machine type, inverter status, the latest data refresh time, PV-related parameters, battery-related parameters, grid-related parameters, inverter-related parameters, and load-related parameters.

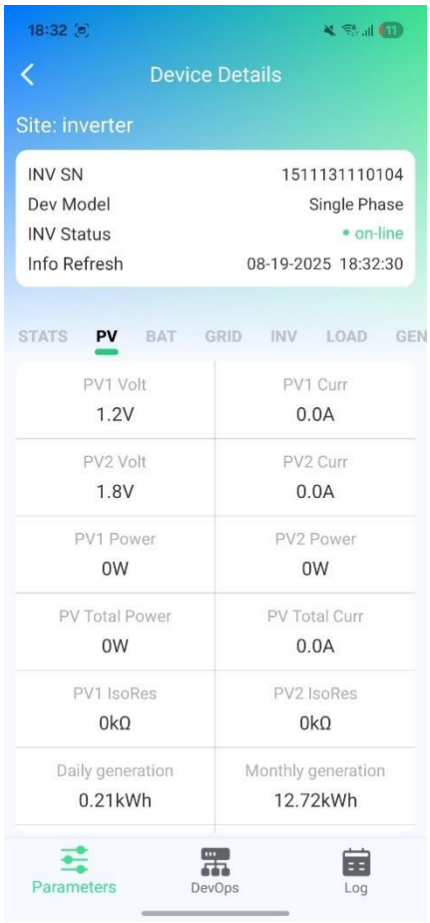
4.6.1.1 Statistical Parameters

In the "Parameters" section, click "**Statistics**" to view parameters related to daily, monthly, and annual total electricity generation, consumption, selling, and purchasing, among others. The interface is shown in Fig. 4.11.



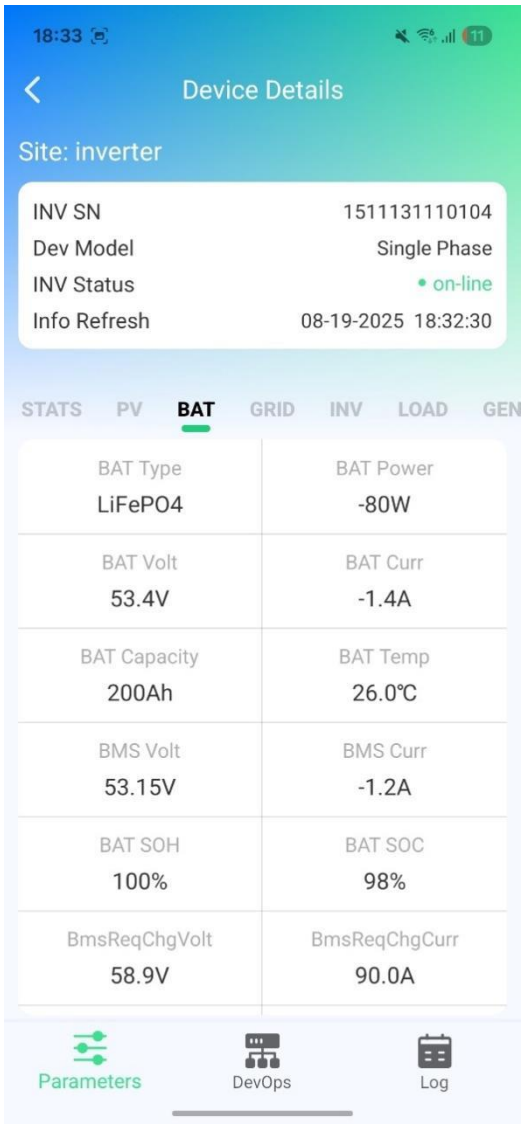
4.6.1.1 PV Parameters

In the "Parameters" section, click "**PV**" to access to parameters such as PV input voltage, PV input current, PV input power, and more for PV1 and PV2, as well as overall PV input parameters like total power and total current. Additionally, you can view parameters related to insulation impedance and generated energy. The interface is shown in Fig. 4.12.



4.6.1.2 Battery parameters

Click "**Battery**" in the "Parameters" section to access information about the device's battery, including battery type, voltage, current, power, capacity, temperature, SOC, battery health, alarms, protection, BMS voltage, BMS current, charging voltage request, charging current request, discharging voltage request, discharging current request, total number of battery packs, online battery packs, grid discharging depth, and off-grid discharging depth, among others. The interface is shown in Fig. 4.13.

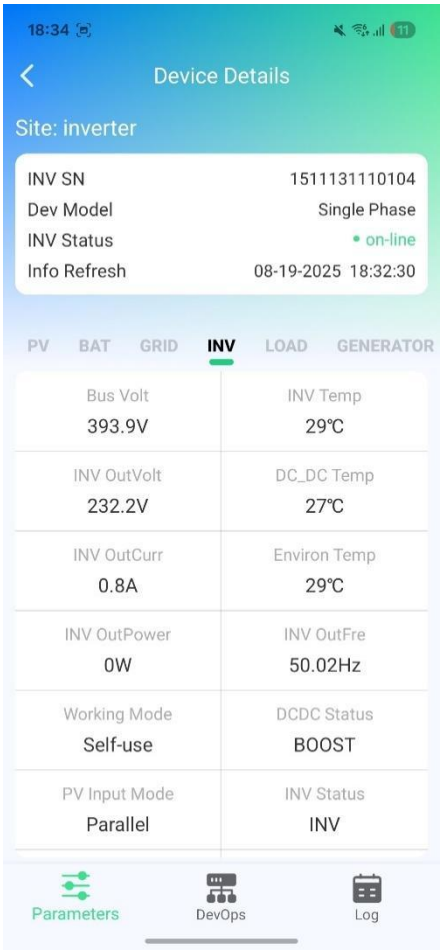


4.6.1.3 Grid Parameters

Within the "Parameters" section, click "**Grid**" to access to information on grid voltage, grid current, grid frequency, grid power, power factor, power factor leakage current, electricity consumption, electricity selling, CT ratio, and more. The interface is shown in Fig. 4.14.

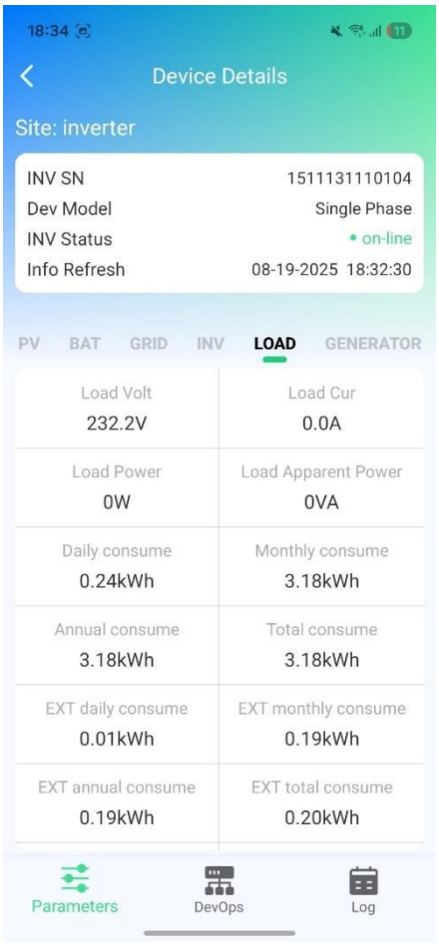
4.6.1.4 Inverter Parameters

Click "**Inverter**" in the "Parameters" section to access parameters related to bus voltage, inverter voltage, inverter current, inverter power, inverter temperature, DC_DC temperature, ambient temperature, inverter frequency, operating mode, DCDC status, PV connection mode, inverter status, grid standards, machine status, and more. The interface is shown in Fig. 4.17.



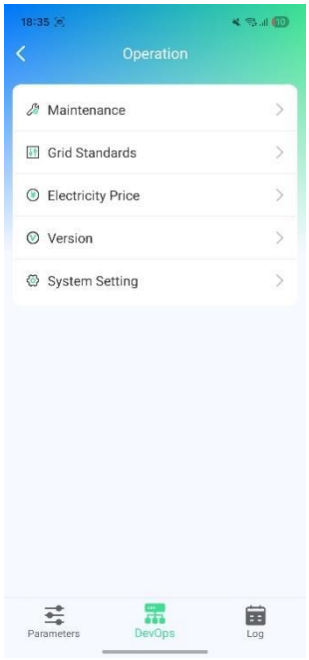
4.6.1.5 Load Parameters

In the "Parameters" section, click "**Load**" to view parameters such as load voltage, load current, load power, apparent power, and power consumption. The interface is shown in Fig. 4.16.



4.6.2 Device Maintenance

In the device "Details" page, click "**Maintenance**" to view or modify maintenance, grid connection standards, and system settings for the current device. The interface is shown in Fig. 4.17.



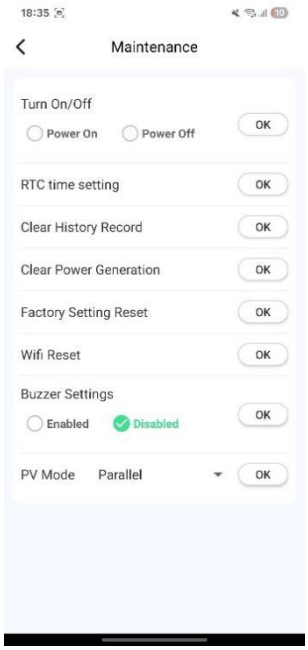


Fig. 4.17 Device Maintenance Fig. 4.18 Maintenance

4.6.2.1 Maintenance

In the device maintenance interface, click "**Maintenance**" Fig. 4.17 to turn on/off the current inverter, calibrate the machine's time, clear historical records, clear generation data, restore factory settings, set the buzzer, and configure the PV connection mode. The interface is shown in Fig. 4.18.

"Calibrate Machine Time": Calibrates the displayed time on the machine and the time for data upload to the server.

"Clear history records": Clears all alarm information for the current inverter. Clicking "Confirm" will require a secondary confirmation in the popup window.

"Reset power generation": Clears all generation data for the current inverter. Clicking "Confirm" will require a secondary confirmation in the popup window.

"Factory Reset": Restores the current inverter to factory settings. Clicking "Confirm" will require a secondary confirmation in the popup window.

"Buzzer settings": Enables or disables the buzzer on the machine.

"PV Connection Modes": Selects one of the modes ("Independent", "Parallel", "Constant Voltage") and click on confirm. As shown in Fig. 4.18.1.

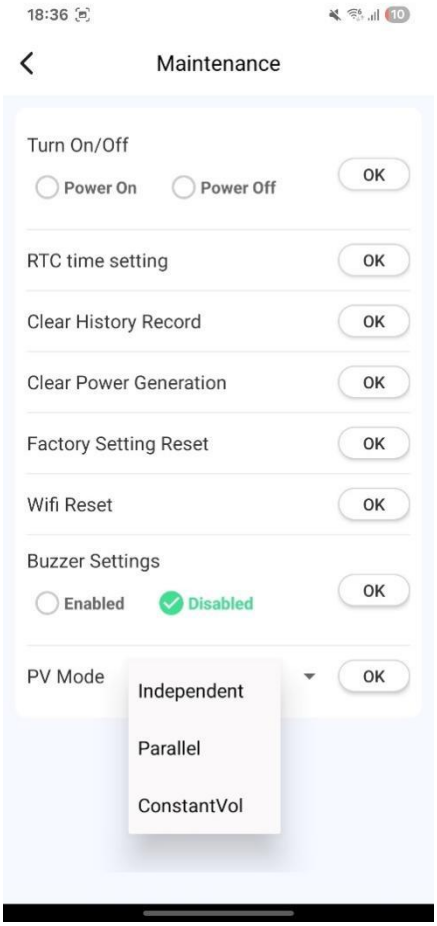


Fig. 4.18.1 PV Connection Modes

4.6.2.2 Grid Connection Standards

In the device maintenance interface, click "**Grid Connection Standards**" to go to the grid connection standards page (as shown in Fig. 4.19). The default region for grid connection standards is set to the user's current location. The parameter protection values are set to their default values. If you wish to modify them, make the changes and click on "Save". Special Note: Please note that modified values must remain within the specified range; otherwise, the parameter modifications will fail.

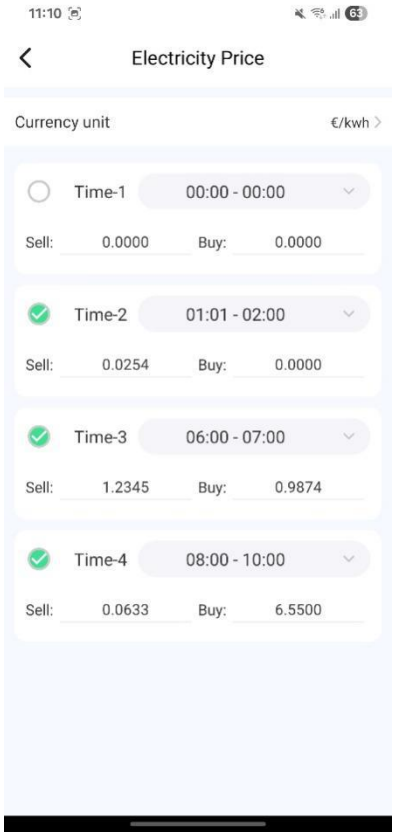


Fig. 4.19 Grid Connection Standard

4.6.2.3 Set Price

In the device maintenance interface, click "**Price Setting**" to go to the price setting page (as shown in Fig. 4.191). You can configure four time periods, set the start time, end time, and price.

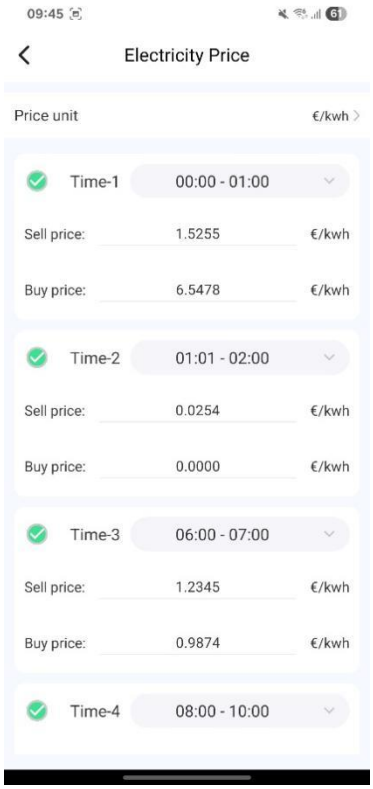


Fig. 4.191 Price Setting

4.6.2.4 Manage Version

In the device maintenance interface, click "**Mange Version**" to go to the version management page (as shown in Fig. 4.192). Here, you can check the version number.

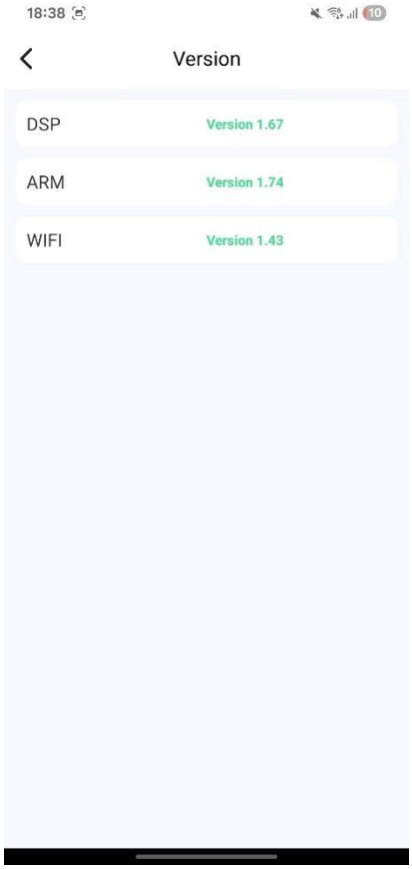


Fig. 4.192 Manage Version

4.6.2.5 System Settings

In the device maintenance interface, click "**System Settings**" to view or modify machine system settings, including function settings, battery settings, grid settings, PV settings, inverter settings, load settings, and other settings. The interface is shown in Fig. 4.20.

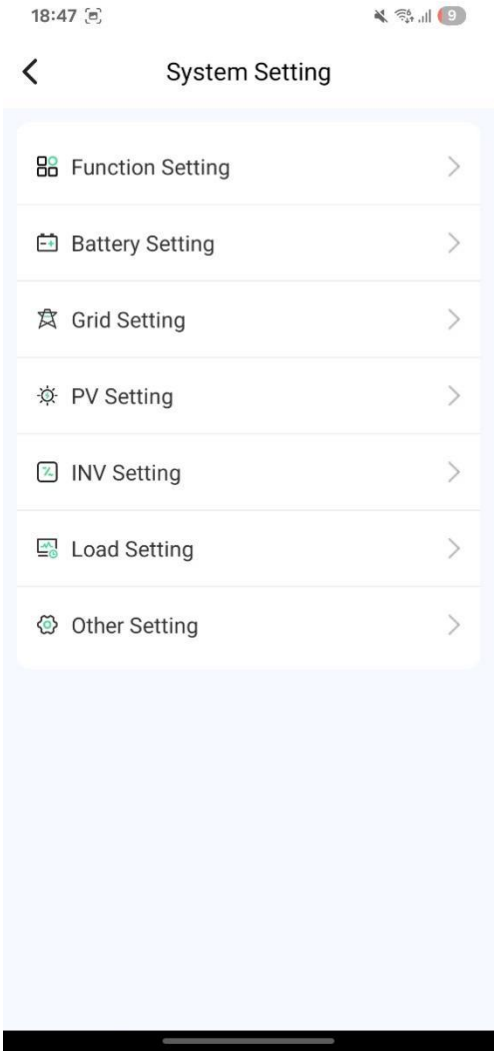


Fig. 4.20 System Settings

1.Function Settings

In the function settings, you can "enable" or "disable" various listed functions. as shown in Fig. 4.20.1.

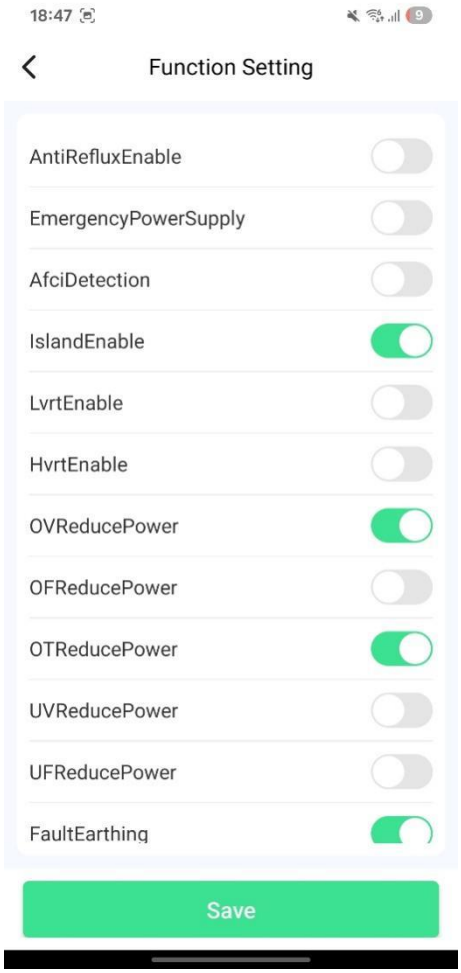


Fig. 4.20.1 Function Settings

2.Battery settings

(1) In the battery settings, you can choose one of the following battery types: "Lithium", "Lead Acid", or "DC". As shown in Fig. 4.20.21.

(1) If you select "Lithium Battery", you can configure settings such as battery voltage, current, wake-up time, capacity, grid-connected discharge depth, off-grid discharge depth, and more, as shown in Fig. 4.20.21.

(2) If you select "Lead Acid Battery", you can adjust settings like battery voltage, current, charge voltage limit, discharge voltage limit, request charge current, request discharge current, battery voltage protection, discharge voltage protection, battery capacity, and more, as shown in Fig. 4.20.22.

(3) If you select "DC", settings involve battery voltage, current, DC source charge/discharge voltage, DC source charge/discharge current, and more, as shown in Fig. 4.20.23.

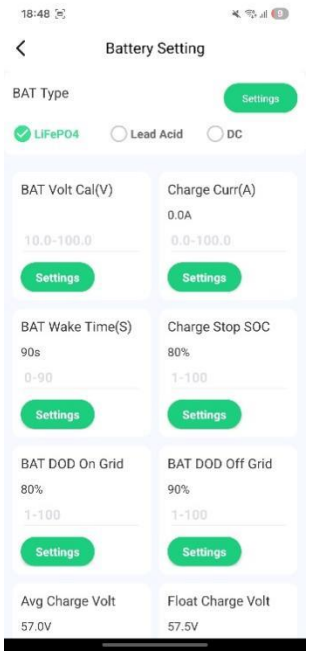


Fig. 4.20.21 Lithium Battery

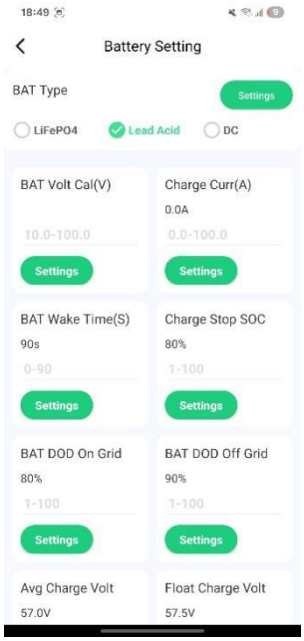


Fig. 4.20.22 Lead Acid Battery

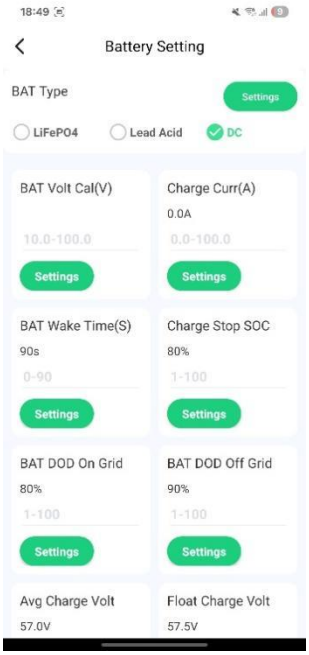


Fig. 4.20.23 DC

3.Grid Settings

1.In grid settings, you can configure parameters such as grid voltage, grid current, grid power, reconnection time, grid power factor, CT ratio, and more, as shown in Fig. 4.20.3.

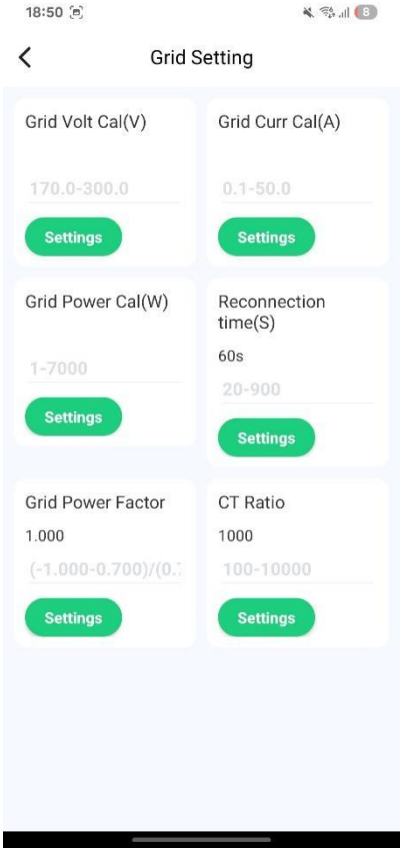


Fig. 4.20.3 Grid Settings

4.PV Settings

1. In the PV settings, you can set parameters for PV1 input voltage, PV1 input current, PV2 input voltage, PV2 input current, and more, as shown in Fig. 4.20.3.

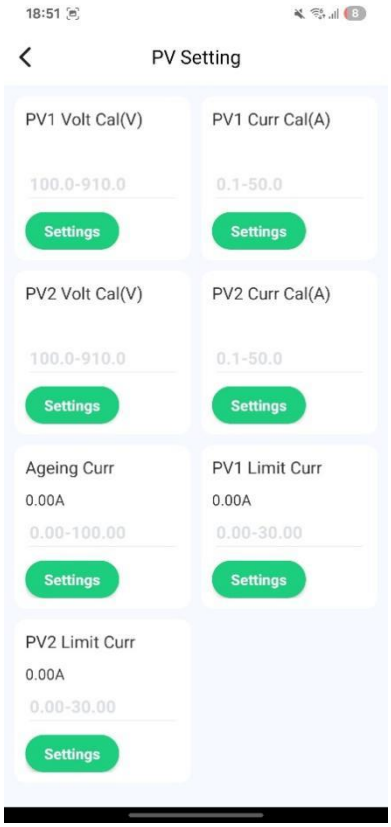


Fig. 4.20.3 PV Settings

5.Inverter Settings

1. In inverter settings, you can configure parameters including inverter voltage, inverter current, bus voltage, self-check time, maximum output power, maximum input power, GFCI current, reactive power, ten-minute AC voltage protection value, ten-minute AC voltage protection time, RS485 address, and more, as shown in Fig. 4.20.5.

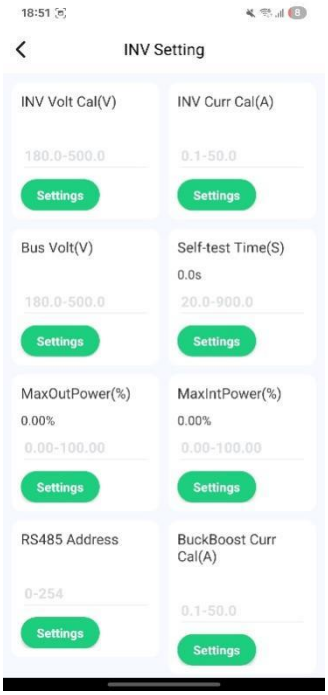


Fig. 4.20.5 Inverter Settings

6.Load Settings

1. In load settings, you can set parameters for load voltage, load current, and more, as shown in Fig. 4.20.6.

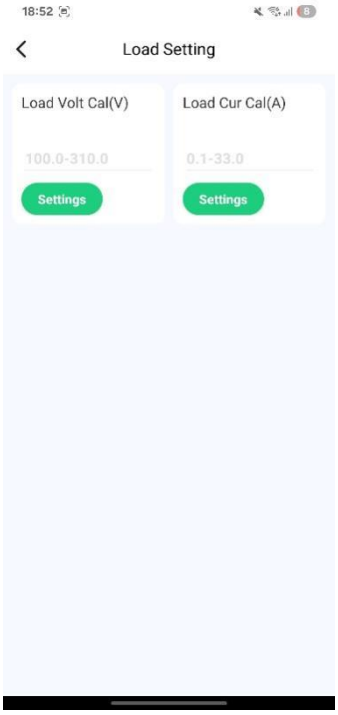


Fig. 4.20.6 Load Settings

7.Other Settings

1. In Other Settings, you can configure settings related to the model, overvoltage derating, over-frequency derating, overtemperature derating, and more, as shown in Fig. 4.20.7.

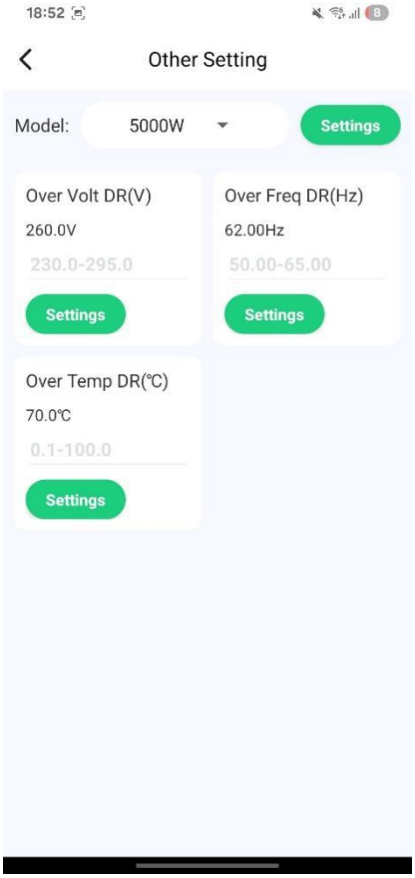


Fig. 4.20.7 Other Settings

4.6.3 Device Logs

In the "Details" interface, click "**Logs**" to view every log entry for the device, organized by date. Log content includes: the device's SN code, alarm level, alarm cause, and the specific time of the alarm. You can select a date to view the device's logs. as shown in Fig. 4.21.

Fig. 4.21 Device's Log

V. More

On the application's main page, click "**More**" to go to the More interface (as shown in Fig. 5.1). Here, you can modify settings for the app and devices, view information about RoyPow, and log out of your personal account.

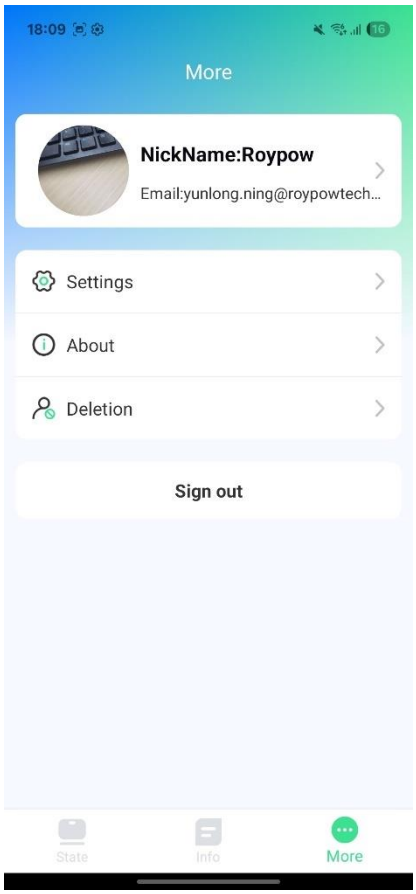


Fig. 5.1 More

5.1 Settings

In the More, click "**Settings**" to go to the settings interface, where you can configure WIFI settings for your devices. As shown in Fig. 5.1.1

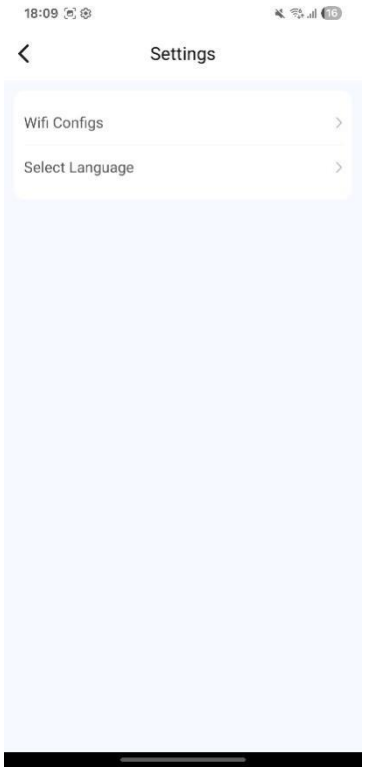


Fig. 5.1.1 Settings

5.1.1.1 WIFI Configuration

To enter the WIFI configuration interface, click on WIFI settings. Click on "**Bluetooth**" (as shown in Fig. 5.1.1.1). Select the Bluetooth name on your device (as shown in Fig. 5.1.1.2) and establish a successful connection. Then, input your router's name and password (as shown in Fig. 5.1.1.2). Click "Configure" to complete the WIFI configuration for your device. The configuration process is illustrated in Fig. 5.1.1.1.

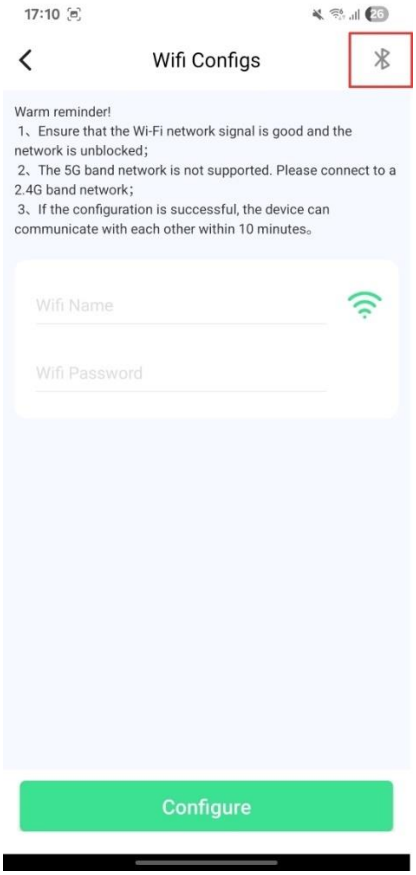


Fig. 5.1.1.1 Turn on Bluetooth

Fig. 5.1.1.2 Bluetooth Search and Connection

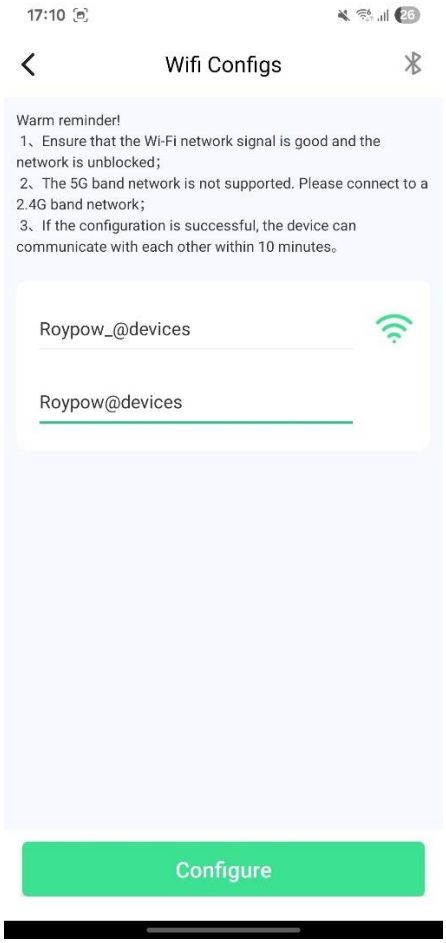


Fig. 5.1.1.3 WIFI Configuration

5.2 About RoyPow

Users can access information about RoyPow by clicking on "More" on the homepage, then selecting "**About RoyPow**." The interface is shown in Fig. 5.2.

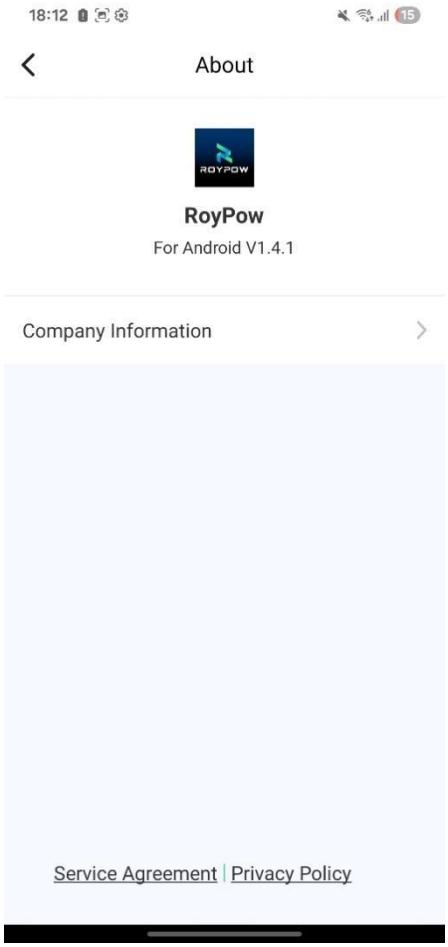


Fig. 5.2 About

5.2.1 Company Information

Click "Company Information" to visit RoyPow's official website. as shown in Fig. 5.2.1.

Fig. 5.2.1 Company Information

5.2.2 Service Agreement and Privacy Policy

1. Users can access the "Service Agreement" by clicking on "**About**" and then selecting "Service Agreement" at the bottom. This allows users to view the services provided by this software. as shown in Fig. 5.2.2.

2. Users can access the "Privacy Policy" by clicking on "**About**" and then selecting "Privacy Policy" at the bottom. This provides information about the specific permissions and purposes for which this software obtains permissions during installation and use. as shown in Fig. 5.2.3.

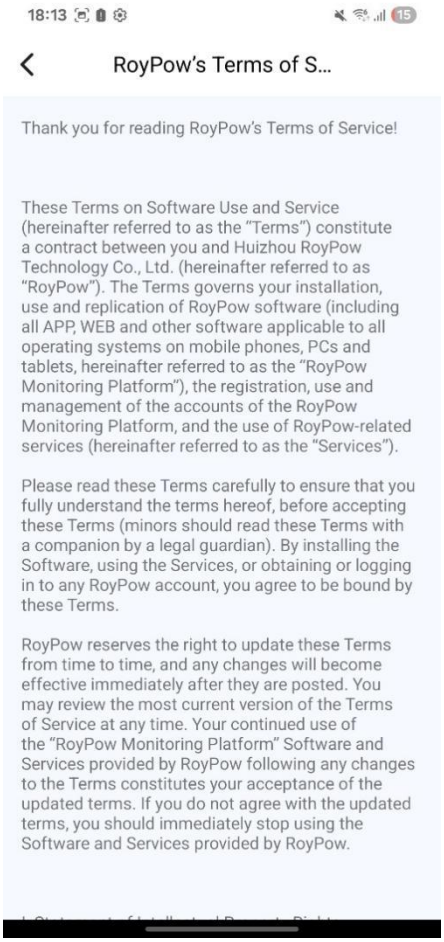


Fig. 5.2.2 Service Agreement

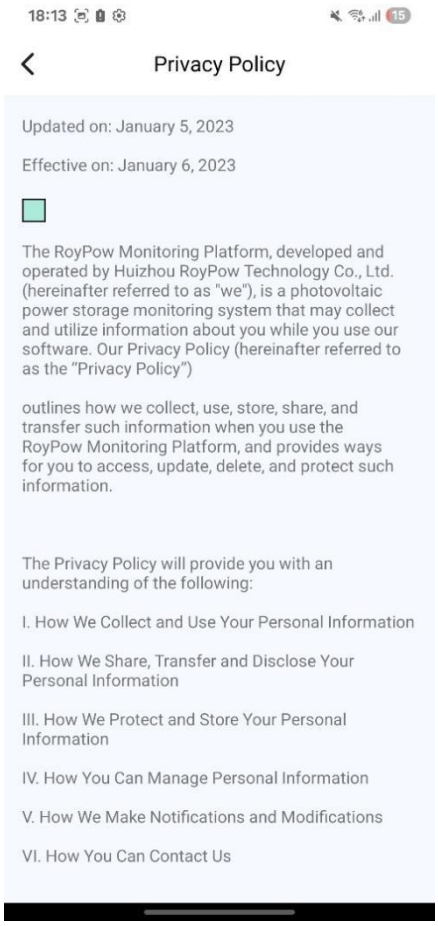


Fig. 5.2.3 Privacy Policy

5.3 Log Out

Users can log out of their current account by clicking on "More" on the homepage, then selecting "**Log Out**." In the pop-up window, click "Confirm" to log out. The log out process is illustrated in Fig. 5.3 and 5.3.1.

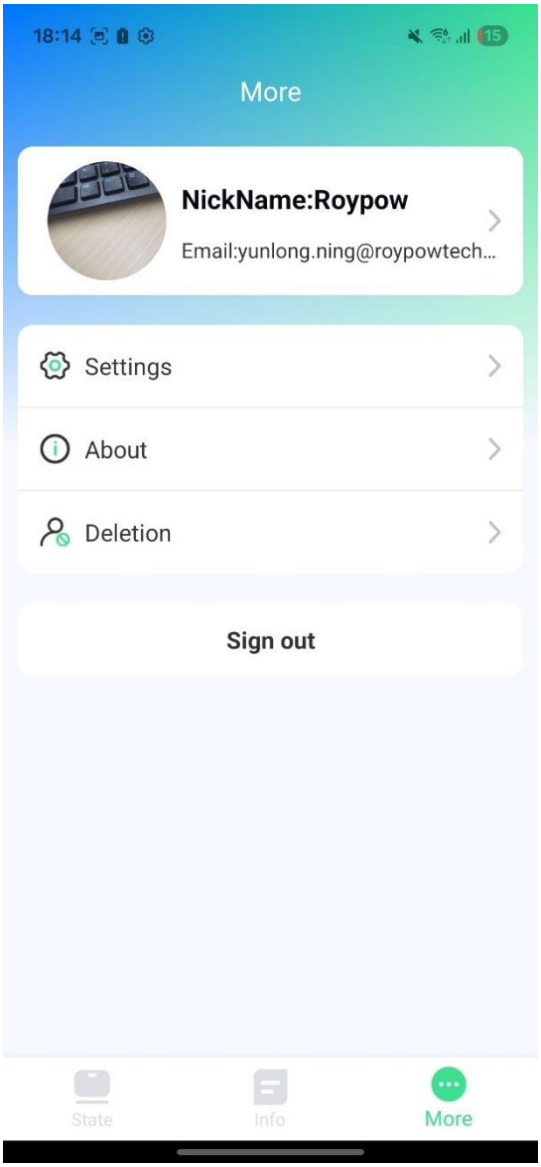


Fig. 5.3 Log out

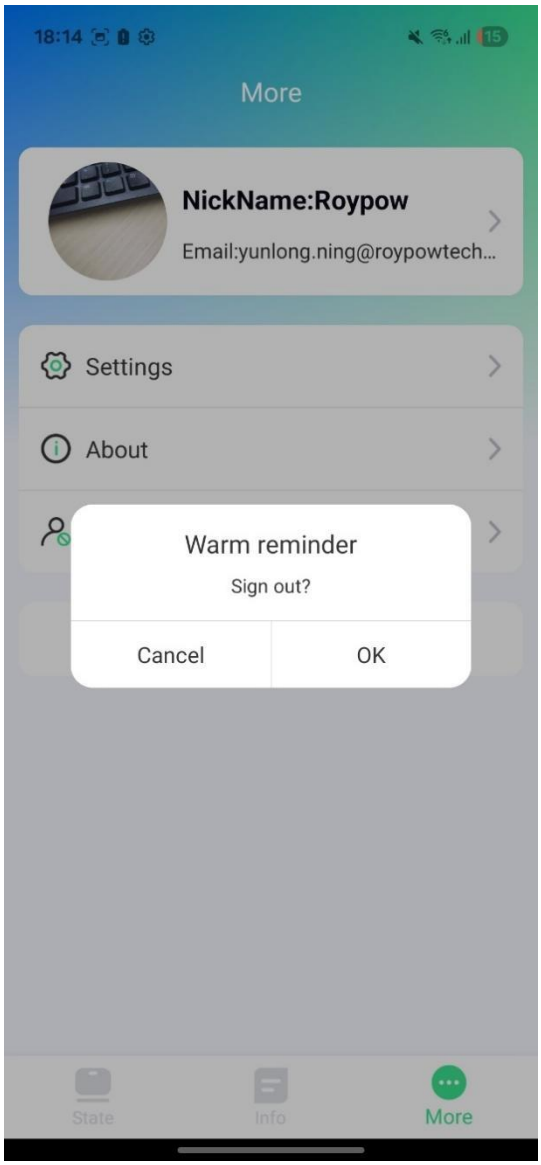


Fig. 5.3.1 Log out