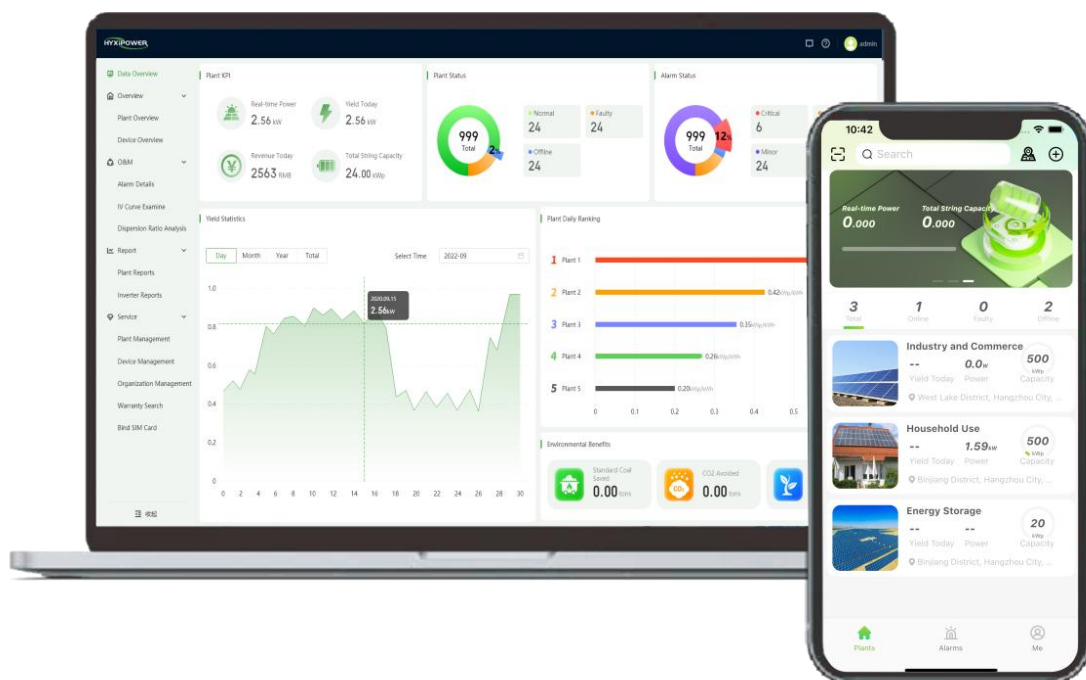




User Manual

HYXiPOWER Management Side APP



Version : UM-02

Product information is subject to change without notice

Copyright Notice

2024 Copyright © Zhejiang Hyxi Technology Co., Ltd. All rights reserved.

Without the authorization of our company, no unit or individual may copy this document in whole or in part without permission, and may not disseminate it in any form.

TRADEMARK



All other trademarks mentioned in this document are trademarks of Zhejiang Hyxi Technology Co., Ltd.

All other trademarks or registered trademarks mentioned in this document belong to their respective owners.

Zhejiang Hyxi Technology Co., Ltd.

Address: Room 216, Block A, Building 1, No. 57 Jiang'er Road, Changhe Street, Binjiang District,
Hangzhou, Zhejiang Province, China

Postal Code: 310012

Phone: 0571-87822520

Email: support@hyxipower.com

Website: www.hyxipower.com

Revision History

Version	Time	Description
UM-01	2023.11.11	First official release
UM-02	2024.07.10	New interface revision

Table of Contents

1 About the Manual	- 5 -
1.1 Manual Content	- 5 -
1.2 Applicable Content	- 5 -
1.3 Applicable Requirements	- 5 -
1.4 Target Readers	- 5 -
1.5 Manual Usage	- 5 -
2 How to Start Using	- 6 -
2.1 Overview	- 6 -
2.2 Select Site	- 6 -
2.3 Account Registration and Cancellation	- 7 -
2.4 Account Login and Logout	- 11 -
2.5 Password Recovery and Modification	- 12 -
2.6 Language Settings	- 14 -
2.7 Viewing and Modifying Profile	- 16 -
2.8 Experience Plants	- 17 -
2.9 FAQ	- 18 -
2.10 Application Sharing	- 18 -
2.11 Clear Cache	- 19 -
2.12 Version Update	- 20 -
2.13 Privacy Policy	- 20 -
3 APP Business Function Description (Installer Side)	- 21 -
3.1 Home Page	- 21 -
3.1.1 Home Page	- 21 -
3.2 Plant	- 23 -
3.2.1 Scan	- 23 -
3.2.2 Map View	- 24 -
3.2.3 Add Plant	- 26 -
3.2.4 Plant Details	- 29 -
3.2.5 Plant Inspection	- 34 -
3.2.6 Device Operation (Partial Device Types Supported)	- 35 -
3.3 Services	- 38 -

3.3.1 Alarm Info	- 39 -
3.3.2 Near-end Debugging	- 40 -
3.3.3 Download of Upgrade Package	- 41 -
3.3.4 Smart Layout	- 42 -
3.3.5 Device Management	- 44 -
3.3.6 Wi-Fi Distribution Network	- 45 -
3.3.7 Member Management	- 45 -
3.3.8 Video Tutorial	- 46 -
3.3.9 User Manual	- 47 -
3.3.10 Feedback	- 48 -
3.3.11 Contact Service	- 48 -
3.3.12 FAQ	- 49 -
3.4 Me	- 49 -
3.4.1 Message Center	- 49 -
3.4.2 Organization Information	- 50 -
4 APP Business Function Description (Owner Side)	- 50 -
4.1 Home Page	- 50 -
4.1.1 Home Page	- 50 -
4.1.2 Scan	- 51 -
4.1.3 Plant Information	- 52 -
4.1.4 Plant Device	- 53 -
4.1.5 Plant Alarm	- 55 -
4.1.6 Plant Inspection	- 57 -
4.2 Statistics	- 58 -
4.3 Views	- 59 -
4.4 Me	- 60 -
4.4.1 Wi-Fi Distribution Network	- 60 -
4.4.2 Help Center	- 60 -
4.4.3 Message Center	- 61 -
5 Contact Us	- 62 -

1 About the Manual

1.1 Manual Content

This manual introduces the functions and operational procedures of the HYXiPOWER APP to facilitate users in operating and managing the HYXiPOWER APP, meeting user needs.

1.2 Applicable Content

The HYXiPOWER APP is applicable to users who have purchased Hyxi GPRS/4G, WIFI, Ethernet version DCS or DMU, inverters, etc. The plant data monitored by the DCS or DMU is uploaded to the HYXiPOWER APP for viewing and can be logged in through the APP end. It is used for monitoring plants, thereby enabling the visualization and management of plant data.

1.3 Applicable Requirements

iPhones: Search for "HYXiPOWER" in the Apple App Store;

Non-Chinese Mainland Android Google Play: Search for "HYXiPOWER";

Chinese Mainland Android phones: Scan the QR code and open the download package with the default browser.



1.4 Target Readers

This manual is mainly aimed at professional technicians and end-user owners who access, manage, and operate the HYXiPOWER APP. It requires a certain level of network knowledge and familiarity with the HYXiPOWER's related products.

1.5 Manual Usage

Please read the manual carefully before using the product and keep the manual in an easily accessible place.

The content of the manual will continue to be updated and corrected, but there may be slight discrepancies or errors with the actual product. Users should refer to the actual product purchased and can download the latest version of the user manual through the **Service&Support_Download Center at hyxipower.com** or obtain it through sales channels.

2 How to Start Using

2.1 Overview

The HYXiPOWER Cloud Platform (APP version) is a new generation of new energy intelligent cloud platform developed by Hyxi Technology. This product integrates real-time monitoring, intelligent alarms, remote control, efficient operation and maintenance, remote upgrades, and statistical analysis. It can monitor the operating status of inverters, components, and batteries in real-time, automatically calculate revenue based on power generation, and quickly locate plant faults to assist maintenance personnel in completing fault handling quickly. The system uses a leading cloud computing platform, ensuring data security and reliability, with a clear and intuitive interface and convenient operation.

2.2 Select Site

Function Introduction

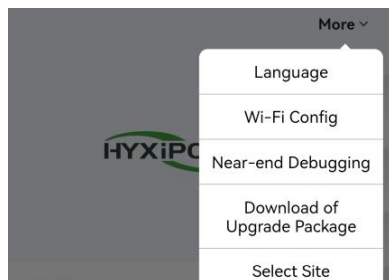
Introduces how to select the appropriate site.

Prerequisite

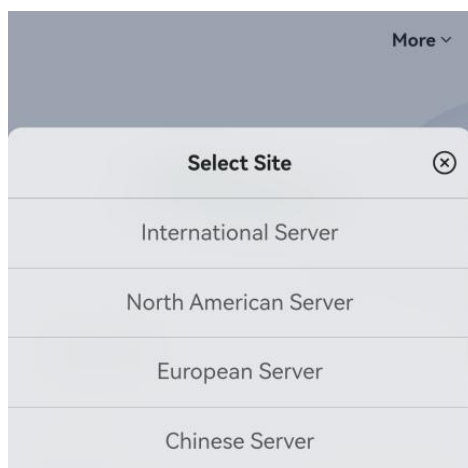
The APP has been downloaded and installed.

Operation Steps

Step 1: Open the mobile APP and click on the more button in the upper right corner to select a site.



Step 2: Select a nearby server site or a server site where you have registered an account based on your location. (Chinese users are advised to select a Chinese node, and non-Chinese users are advised to select an international site.)



2.3 Account Registration and Cancellation

Function Introduction

This section explains how to register and cancel an account.

Prerequisites

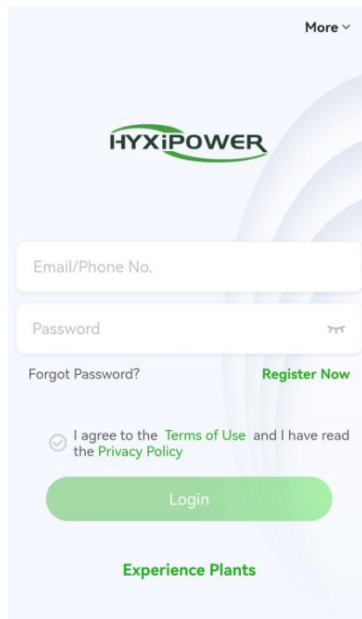
For non-Chinese customers: Prepare the email for registration.

For Chinese customers: Prepare the mobile number or email for registration.

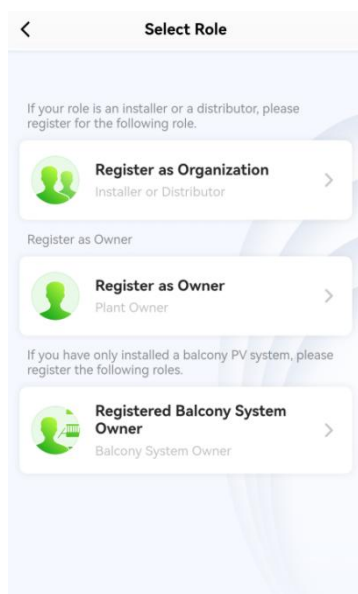
Operation Steps

Registration Steps

Step 1: Open the mobile APP application.



Step 2: Click the 'Register Now' button to enter the registration page, Register as Organization, Register as Owner or Registered Balcony System Owner.



Step 3: During the organization registration, select the Country/Area, fill in the Organization/Company Name, choose the Registration Method (By Phone No./Email Register),

send a verification code and enter it for verification. After verification, enter a password and confirm the password, check the box for 'I agree to the Terms of Use and I have read the Privacy Policy', and finally click the 'Register' button to complete the operation.

< Register as Organization

Note: If your organization or company has registered for an organization account in this system, you do not need to register again. Please contact your administrator to add you to the member list.

Please Select Your Country

Country/Area China >

Serving The Current Country/Region Is - server.china ?

Organization/ Company Name Please Enter

Registration Method Help ?

Registration Method By Phone No. >

86 v Please Enter

Please Enter Send Verification Code

Complete Information

Password Please Enter 𐄂

Confirm Password Please Enter 𐄂

The password must contain 8 to 20 characters and two types of digits, letters, and special characters (excluding spaces).

Register

☒ I agree to the Terms of Use and I have read the Privacy Policy

Step 4: During the owner registration, select the Country/Area, choose the Registration Method (By Phone No./Email Register), send a verification code and enter it for verification. After verification, enter a password and confirm the password, fill in the Nickname, and check the box for 'I agree to the Terms of Use and I have read the Privacy Policy', then click the 'Register' button to complete the operation.

Register as Owner

Please Select Your Country

Country/Area China >

Serving The Current Country/Region Is - server.china

Registration Method Help

Registration Method By Phone No. >

86 ▼ Please Enter

Please Enter Send Verification Code

Complete Information

Registration Method By Phone No. >

86 ▼ Please Enter

Please Enter Send Verification Code

Complete Information

Password Please Enter

Confirm Password Please Enter

The password must contain 8 to 20 characters and two types of digits, letters, and special characters (excluding spaces).

Nickname Please Enter

Register

☒ I agree to the [Terms of Use](#) and I have read the [Privacy Policy](#)

Step 5: During the balcony system owner registration, select the Country/Area, choose the Registration Method (By Phone No./Email Register), send a verification code and enter it for verification. After verification, enter a password and confirm the password, fill in the Nickname, and check the box for 'I agree to the Terms of Use and I have read the Privacy Policy', then click the 'Register' button to complete the operation (balcony system owner registration is not supported on the Chinese site).

< **Registered Balcony System Owner**

Please Select Your Country

Country/Area China >

Serving The Current Country/Region Is - server.china ?

China Station Does Not Support The Registration Of Balcony System Owners At The Moment

Registration Method Help ?

Registration Method By Phone No. >

86 ▼ Please Enter

Please Enter Send Verification Code

Complete Information

Password Please Enter 77

Confirm Password Please Enter 77

The password must contain 8 to 20 characters and two types of digits, letters, and special characters (excluding spaces).

Nickname Please Enter

Register

☒ I agree to the [Terms of Use](#) and I have read the [Privacy Policy](#)

Cancellation Steps

Step 1: Open the mobile APP application.

Step 2: After logging in to the APP, click on 'Me' -> 'Settings', and the 'Delete Account' button will appear.

< **Settings**

Language English >

Notification Settings >

Clear Cache 0.01MB >

About >

Privacy Policy >

Delete Account >

Log out

Step 3: Click 'Delete Account', and a second confirmation button will pop up.

Delete Account

Are you sure you want to delete
the account?

Cancel

OK

Step 4: Enter the login password for the account to be canceled for a second review, and click to complete cancellation.

Enter password

Please Enter



Cancel

OK

Related Operation

Role	Registration Mode
Person in Charge	When registering an organization, the registered account automatically becomes the responsible account of the organization, and there is only one account per organization
Administrator	Created by the Person in Charge or Administrator in the organization management module
O&M Personnel	Created by the Person in Charge or Administrator in the organization management module
Installer	Created by the Person in Charge or Administrator in the organization management module
Sales	Created by the Person in Charge or Administrator in the organization management module
Owner	The owner himself registered the owner account

Constraints

Role	Constraints on Cancellation
Person in Charge	The associated plant and its device must be deleted first
Administrator	The associated plant and its device must be deleted first
O&M Personnel	The associated plant and its device must be deleted first
Installer	The associated plant and its device must be deleted first
Sales	The associated plant and its device must be deleted first
Owner	The associated plant and its device must be deleted first

2.4 Account Login and Logout

Function Introduction

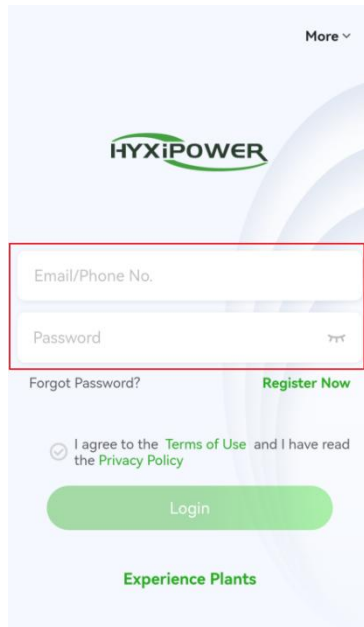
This section explains how to log in to and log out of an account.

Prerequisites

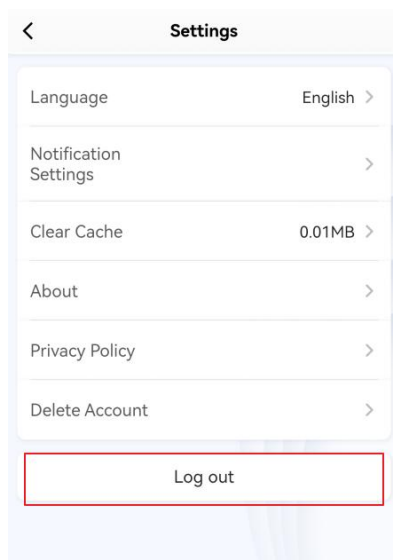
1. The account has been registered.

Operation Steps

Step 1: Open the APP application and enter the account and password on the login page, then click the 'Login' button.



Step 2: After logging in, click on 'Me' -> 'Settings' in the APP page, and the 'Log out' button will appear. Click to log out the APP.



2.5 Password Recovery and Modification

Function Introduction

This section explains how to recover and modify the account password.

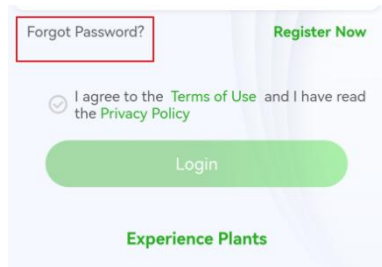
Prerequisites

Forgotten password or wish to change the old password.

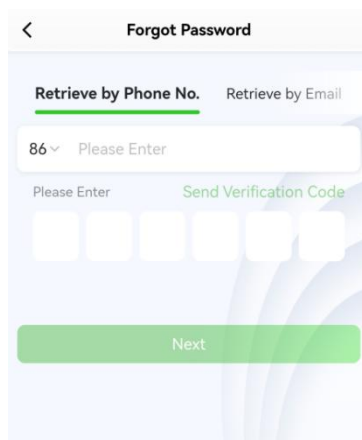
Operation Steps

Password Recovery Steps

Step 1: On the APP login page, click the 'Forgot Password?' button.



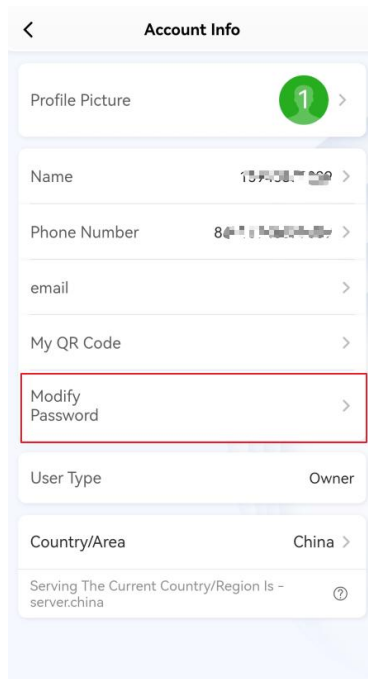
Step 2: In the new pop-up page, enter the mobile number or email, click 'Send Verification Code', receive the code and enter it, then click 'Next'.



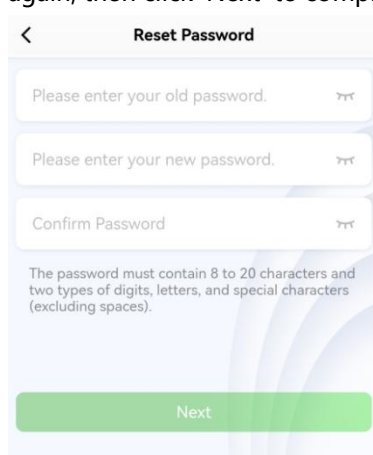
Step 3: On the password reset page, enter a new password and confirm the password to complete the process.

Password Modification Steps

Step 1: Click on 'Me' -> 'Profile' in the APP, and the 'Modify Password' button will appear. Click on it.



Step 2: In the pop-up page, enter the old password, new password, and confirm the password again, then click 'Next' to complete the password modification operation.



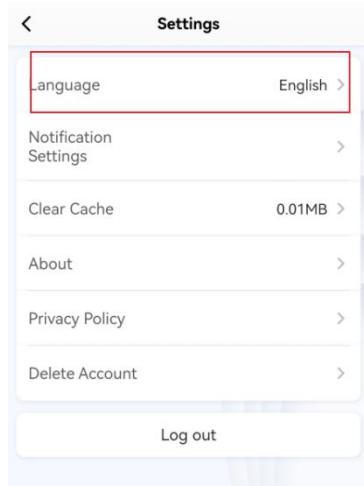
2.6 Language Settings

Function Introduction

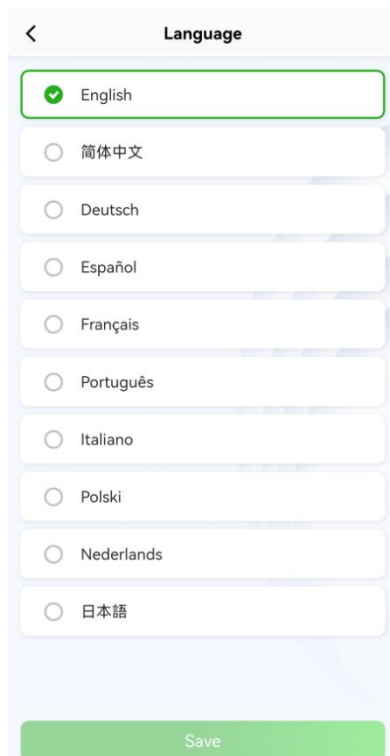
This section introduces how to set the language.

Operation Steps

Step 1: In the APP page, click on 'Me' -> 'Settings', and the language setting selection box will appear.

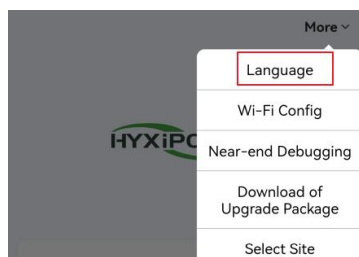


Step 2: Click the selection box to switch to the desired language, and click 'Save' to complete the switch



Other Switching Methods:

Click the 'More' button in the upper right corner of the login page, select the 'Language' option, and click the corresponding language to complete the language switch.



2.7 Viewing and Modifying Profile

Function Introduction

This section introduces how to view and modify your profile.

Prerequisites

When there are changes to mobile number, email, name, or avatar.

Operation Steps

Step 1: In the APP page, click on 'Me' -> 'Profile'.



Step 2: View the information in the pop-up page.



Step 3: Click on the personal avatar, name, phone number, or email that needs to be modified, and click 'OK' to complete the profile modification.

Related Operations

Mobile number, email modification button: Click to require verification of the verification code to complete the modification.

2.8 Experience Plants

Function Introduction

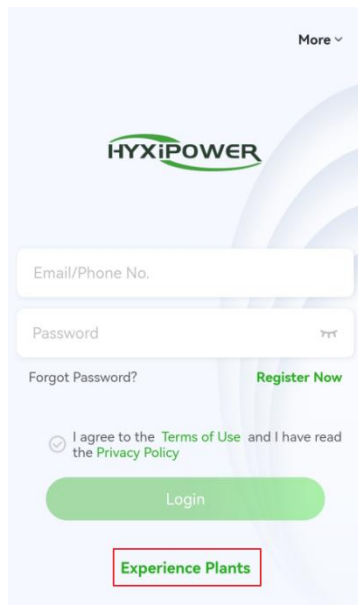
This section introduces how to experience plants through the APP.

Prerequisites

When users do not have an account registered and want to understand the platform's functions and preview them.

Operation Steps

Step 1: On the APP login page, click the 'Experience Plants' button to enter the APP with a test account.



Step 2: After logging in to the APP, all data within the platform are test data. The test account can only view and cannot perform any other operations.

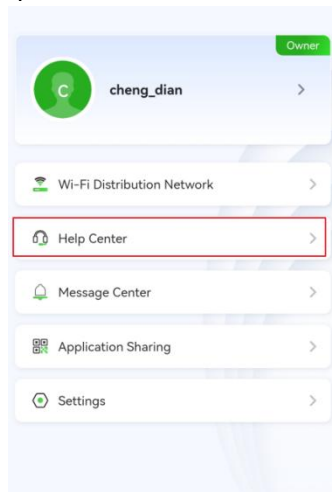
2.9 FAQ

Function Introduction

This section introduces how to seek help when encountering APP usage issues.

Operation Steps

Step 1: Click on 'Me' -> 'Help Center' to view help instructions from the frequently asked questions (this method is only available for the owner side).



Other Viewing Methods:

Step 1: Click on 'Service' -> 'FAQ' button to view the list of questions and help instructions.

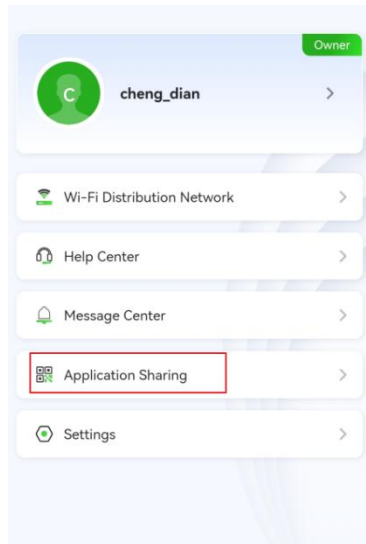
2.10 Application Sharing

Function Introduction

This section introduces how to share the HYXiPOWER APP with others.

Operation Steps

Step 1: Click on 'Me' -> 'Application Sharing' in the APP, and a download QR code for the APP application will appear. Others can download the application by scanning the QR code with their phone.



2.11 Clear Cache

Function Introduction

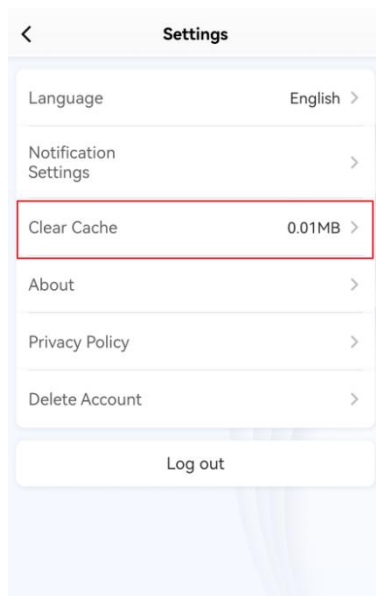
This section introduces how to clear cache.

Prerequisites

After using the APP for a while

Operation Steps

Step 1: In the APP page, click on 'Me' -> 'Settings', and the 'Clear Cache' button will appear.



Step 2: Click the button, a pop-up will confirm whether to clear the cache, click 'OK' to complete the operation.

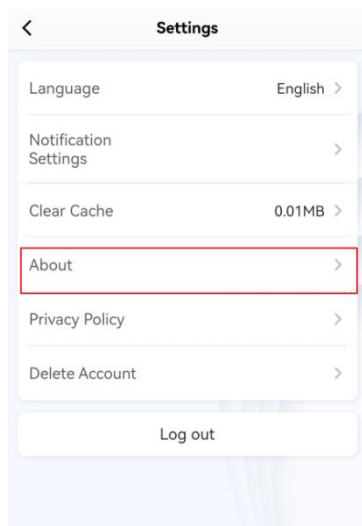
2.12 Version Update

Function Introduction

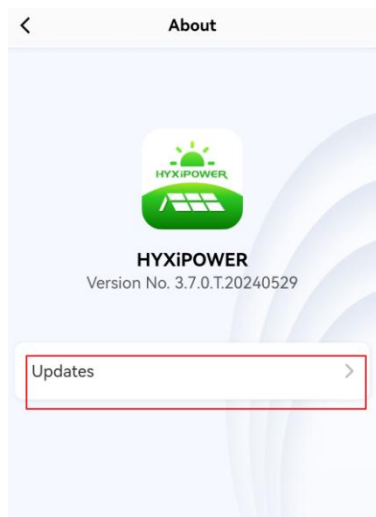
This section introduces how to update the version.

Operation Steps

Step 1: In the APP page, click on 'Me' -> 'Settings' -> 'About', and the 'Update' button will appear.



Step 2: Click the button, a pop-up will confirm whether to update, click 'OK' to complete the operation.



Constraints

Currently, only supports Apple phones, does not support Android and Google phones.

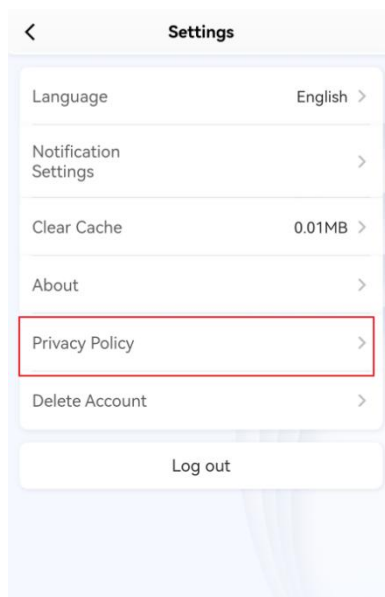
2.13 Privacy Policy

Function Introduction

This section introduces how to view the privacy policy.

Operation Steps

Step 1: In the APP page, click on 'Me' -> 'Settings', and the 'Privacy Policy' button will appear.



Step 2: Click the button to display the specific content of the privacy policy.

3 APP Business Function Description (Installer Side)

3.1 Home Page

Through the home page overview, you can understand the operating conditions of all plants in the management system.

3.1.1 Home Page

Function Introduction

Through the plant home page, you can understand the operating conditions of all plants in the management system.

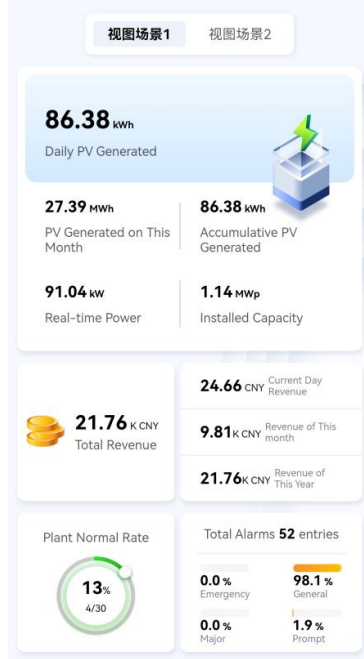
Prerequisites

1. Plant creation has been completed.

Operation Steps

Step 1: You can switch the type of plant data currently displayed through the top view scene switch button.

Step 2: You can view the total power generation, real-time power, installed capacity, revenue, plant normal rate, and alarms of all plants through the top data.



Step 3: Through the plant ranking, you can view the plant ranking data for the top seven-day specific energy.

Plants Ranking ①		Unit: kWh/kWp
1	微逆一拖一可靠性勿动	63.42
2	weizhuce5@bccto.cc2024-06-13	9.21
3	模拟器电站	3.99
4	微逆发电量测试电站	3.23
5	chongfu150@bccto.cc2024-06-14	0.07

Step 4: Through energy analysis, you can view the power change curve of all plants for the day and the total power change graph for the month and year.



Step 5: Through the bottom social benefits, you can view the Standard Coal Saved, CO2 Emissions Avoided, and Equivalent Trees Planted.



Constraints

View scene switch: View scene 1 represents the photovoltaic plant type, view scene 2 represents the energy storage plant type; if the current user is a single plant account, the view scene defaults to the type of plant.

3.2 Plant

Through the plant interface, you can understand the operating conditions of all plants in the management system and perform operations such as adding plants and device settings.

3.2.1 Scan

Function Introduction

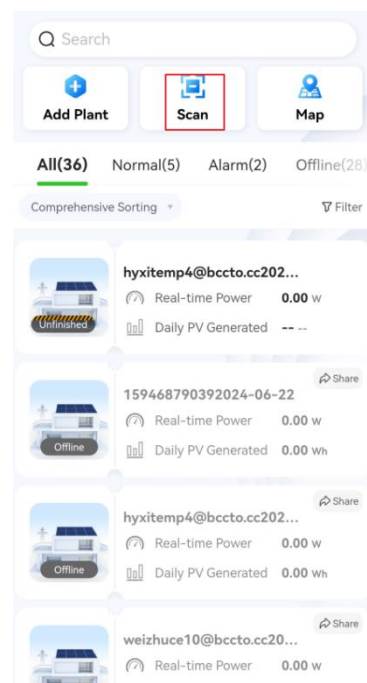
Add communication devices by scanning and bind them to the plant.

Prerequisites

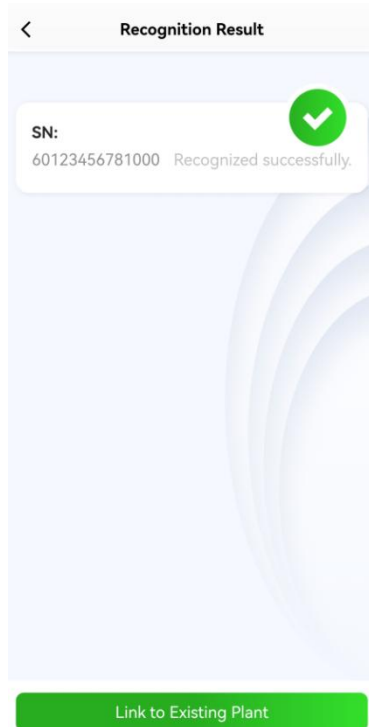
1. Customers have purchased Hyxi's communication devices and inverters on-site.
2. Plant creation has been completed.

Operation Steps

Step 1: In the APP application, click the 'Scan' button in the plant to appear on the scan page.



Step 2: Obtain the SN of the communication device by scanning QR codes, manually entering, or recognizing QR codes in the album, and display the successful recognition result, or you can scan the shared plant QR code to become a visitor of the plant.



Step 3: Click 'Link to Existing Plant' to display the plant list page.



Step 4: Find the corresponding plant through search or scroll and select it, then click 'Confirm' to complete the device plant binding.

3.2.2 Map View

Function Introduction

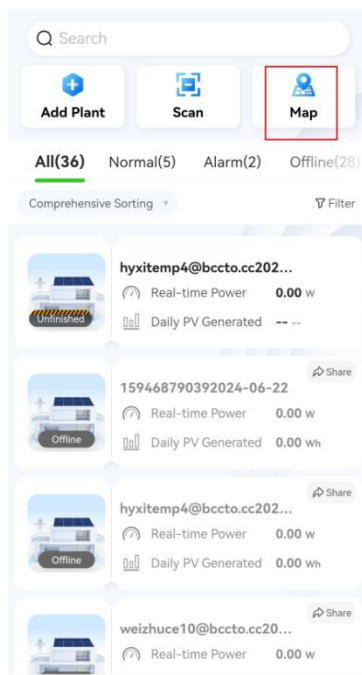
View the distribution of associated plants through the map and display the KPI indicators of the plants.

Prerequisites

1. Plant creation has been completed.

Operation Steps

Step 1: In the APP application, click the 'Map' button at the top of the plant to enter the plant map distribution page.



Step 2: Click the plant list item at the bottom to display the KPI indicator information of the plant, including real-time power, daily power, photovoltaic installed capacity, daily revenue, etc.



Step 3: Click the navigation button below the KPI indicator information, pop up the map navigation application selection, and jump to the corresponding application for navigation.



3.2.3 Add Plant

Function Introduction

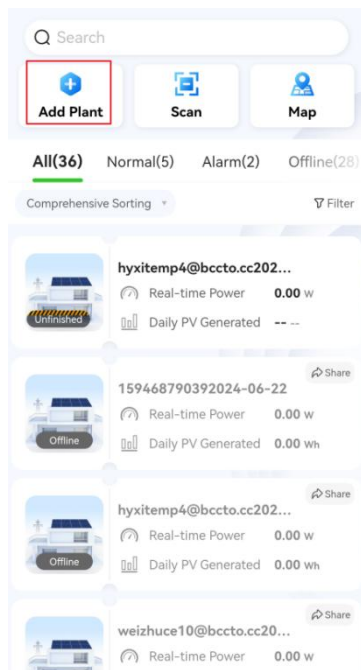
Create a plant by completing the basic information, user information, device information, and price configuration of the plant.

Prerequisites

1. The owner has completed registration and obtained the owner's account and authorization.
2. Obtain the SN of the communication device (DCS or DMU).
3. Calculate the local electricity revenue.

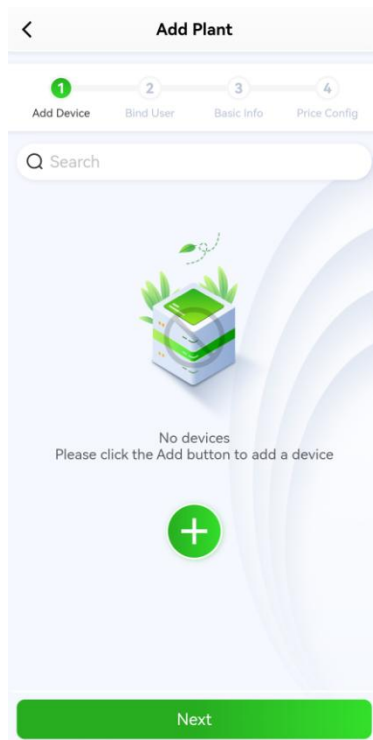
Operation Steps

Step 1: Click the 'Add Plant' button in the upper right corner of the plant list.

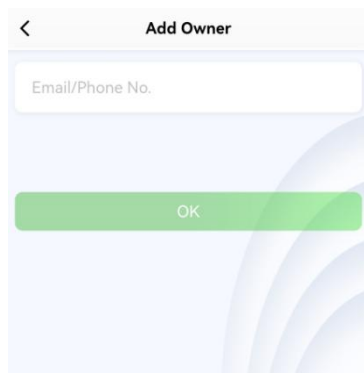


Step 2: In the first step, add devices. If the current device list is empty, you can add devices through the + button in the interface by scanning, nearby online devices (not supported on IOS system), and recently debugged devices; if there is no need to add devices, skip this step and click

'Next'.



Step 3: In the second step, bind the plant owner information, which can be done manually (email/phone number) and by scanning the owner's QR code. If the entered email/phone number is unregistered information, you can authorize the account owner to click 'Help to Register and Bind It' to add the owner.



Step 4: In the third step, enter the basic information of the plant, such as Plant Name, Plant Type, Region, Detailed Address, Time Zone, etc.

The screenshot shows the 'Add Plant' screen with a progress bar at the top indicating four steps: 1. Add Device (checked), 2. Bind User (checked), 3. Basic Info (active), and 4. Price Config. The 'Basic Info' section contains the following fields:

- *Plant Name: 159468790392024-06-27
- *Plant Type: Household Use >
- Region: 中国, 浙江省, 杭州市, 西湖区 (with a location pin icon)
- Detailed Address: 浙江省杭州市西湖区创意路208号-奥莱金街
- *Time Zone: (UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi >

Below the fields is a green link labeled 'More Info'. At the bottom are two buttons: 'Previous' and 'Next'.

Step 5: In the fourth step of Price Config, select the Electricity Price Type. If you choose Fixed Electricity Price, enter the Revenue Per kWh and the Currency of the country where the plant is located; if you choose a TOU electricity price, enter different periods, different time periods, and the corresponding On-grid Electricity Price and Electricity Price; finally, click the 'Finish' button to complete the plant creation.

The screenshot shows the 'Add Plant' screen with the progress bar now at Step 4: Price Config. A blue information box at the top states: "Note: Changes to electricity price types, currency units, prices, etc., will take effect immediately. However, the revenue calculation rules for the corresponding plants will take effect the next day." The 'Price Config' section includes:

- Electricity Price Type: TOU >
- Currency(/kWh): CNY >
- A toggle switch for "Use default organization electricity price" (currently off).
- Two tabs: "On-grid Electricity Price" (active) and "Electricity Price".
- Under the "On-grid Electricity Price" tab, there are fields for "Start Date" (01-01), "End date" (12-31), and a trash icon.
- Below these are time slots: "00:00 ~ 24:00" and a field for "Electricity Pri..." with minus and plus icons.
- An "Add Date" button with a plus icon.

At the bottom are two buttons: 'Previous' and 'Finish'.

Related Operations

1. Click 'Next' on the device addition page, and you will have a plant data in creation.
2. Click 'More Info' on the basic information page to display some non-mandatory information about the plant, such as Photovoltaic Installed Capacity, Number of Method, etc.
3. You can skip to the next step without adding any devices on the Add device page.
4. At least one side of the electricity meter needs to be configured in the electricity meter configuration, and its SN and electricity meter ratio should be entered.

Constraints

1. Only one owner account can be bound.
2. A visitor account can bind up to 20 (visitor permissions can only view and cannot operate plant information).

3.2.4 Plant Details

Function Introduction

Through monitoring the plant overview, views, and device-related information, users can understand the operating status of the plant in real-time.

Prerequisites

1. Plant creation has been completed (including the addition of equipment).

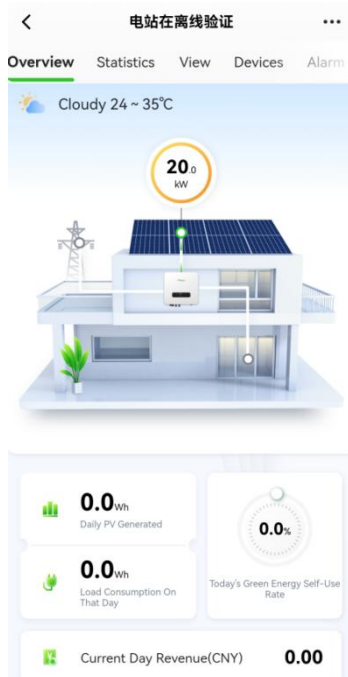
Operation Steps

Step 1: Click on the plant list, find the corresponding plant data through search or scroll, and click on it.

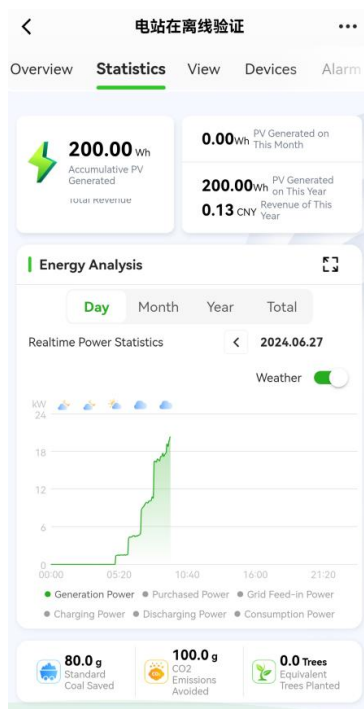
Step 2: In the newly opened monitoring page, you can switch to Overview, Statistics, View, Devices, Alarm to view the corresponding information.



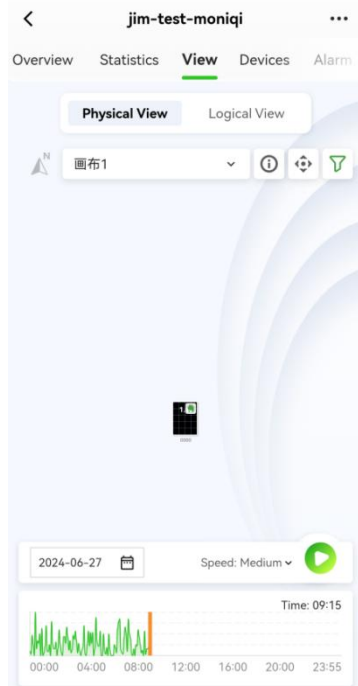
Step 3: In the Overview, you can display the plant's Daily PV Generated, Load Consumption on That Day, Today's Green Energy Self-Use Rate, Current Day Revenue, Today's Weather



Step 4: In the Statistics, you can display the plant's Accumulative PV Generated, PV Generated on This Month, PV Generated on This Year, Total Revenue, Revenue of This Month, Revenue of This Year, Realtime Power Statistics, PV Generated Statistics, Social Benefits.

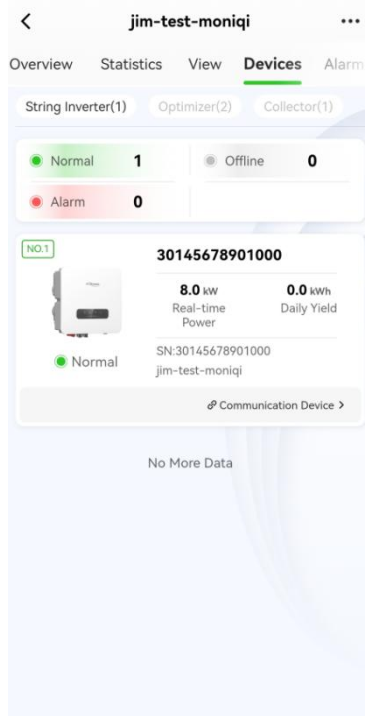


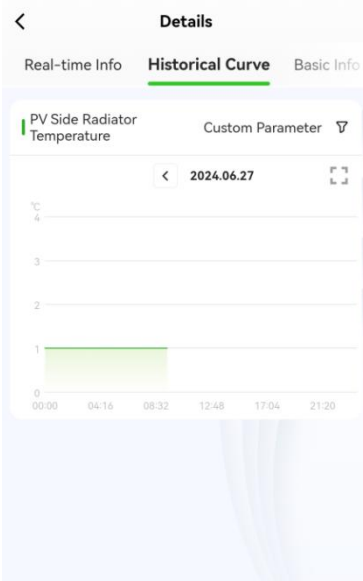
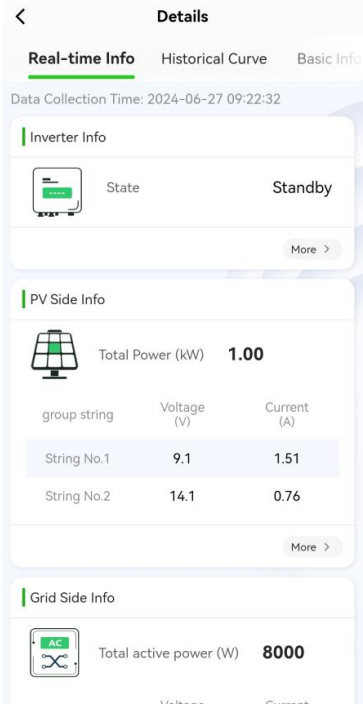
Step 5: In the View, you can display the distribution of the plant's microinverters, optimizers, and their components. Clicking on the components in the canvas will display their real-time status and data in a floating window.



Step 6: The power curve player at the bottom of the physical view and logical view can be linked with the components in the canvas. Click the play button, and the player starts playing from the progress bar, and the online optimizers will dynamically display the corresponding power values and green ripples.

Step 7: In the Devices, you can display all types of devices in the plant, including Microinverters, String Inverters, Hybrid Inverters, Optimizers, DMU, DCS, Meters, EMS. Click on each device list item to enter the device details page, displaying Real-time Info, Historical Curve, Basic Info, etc.





< Details

Real-time Info Historical Curve Basic Info

SN	30145678901000
Device Name	30145678901000 >
Own communication equipment	60123456781000 >
Device Model	
Rated power	1000W
Number of PV Strings	2
Subordinate power station	jim-test-moniqi
Plant Address	中国北京市北京市东城区北京市-北京市

More >

Step 8: In the Alarm, you can display all alarms under the plant and perform ignore operations.

< 可靠性测试电站 ...

Overview Statistics View Devices Alarm

Unprocessed Processed Q

General 20301241566666 Unprocessed

SN:20301241566666
可靠性测试电站 Grid undervoltage/low voltage level
2024-06-21 11:44:27 - 2023-03-01 07:59:19

General 20301241566666 Unprocessed

SN:20301241566666
可靠性测试电站 Grid underfrequency/low frequency secondary
2024-06-21 11:44:21 - 2023-03-01 07:59:19

General 20301241566666 Unprocessed

SN:20301241566666
可靠性测试电站 Grid undervoltage/low voltage level three
2024-06-21 11:44:21 - 2023-03-01 07:59:19

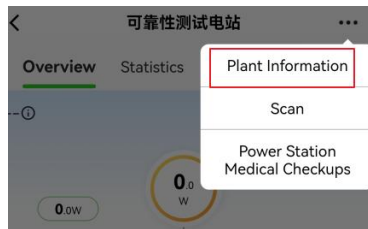
General 20301241566666 Unprocessed

SN:20301241566666
可靠性测试电站 Grid underfrequency/low frequency level
2024-06-21 11:44:21 - 2023-03-01 07:59:19

General 20301241500024 Unprocessed

SN:20301241500024
可靠性测试电站 Grid underfrequency/low frequency secondary
2024-06-21 11:44:21 - 2023-03-01 07:59:19

Step 9: Click the 'More' button in the upper right corner and select 'Plant Information'. The function page is the same as creating a plant, and all information except owner information can be edited.



Related Operations

Click the plant which is Unfinished to continue the creation operation.

At the bottom of the page, click 'Previous' and 'Next' buttons to maintain new plant information.

Switch to Step 1 to add new communication devices.

3.2.5 Plant Inspection

Function Introduction

Automatically score from dimensions such as Info Adequacy, Meter Situation, Offline Device, Alarm Situation, Generator Anomaly, and Layout Situation to intuitively display the comprehensive health index of the plant, helping to quickly identify and resolve potential issues, ensuring efficient and stable operation of the plant.

Operation Steps

Step 1: Click 'More', select 'Power Station Medical Checkups', click the 'Immediate Medical Examination' button, wait for the check-up process to end, and you can get the plant check-up score, and you can view the check-up history in the upper right corner.



3.2.6 Device Operation (Partial Device Types Supported)

Function Introduction

Introduce how to perform: Power Limitation Mode (supported by microinverters), Energy Storage Working Mode Setting (supported by hybrid inverters), Heat Pump Intelligent Control Setting (supported by hybrid inverters).

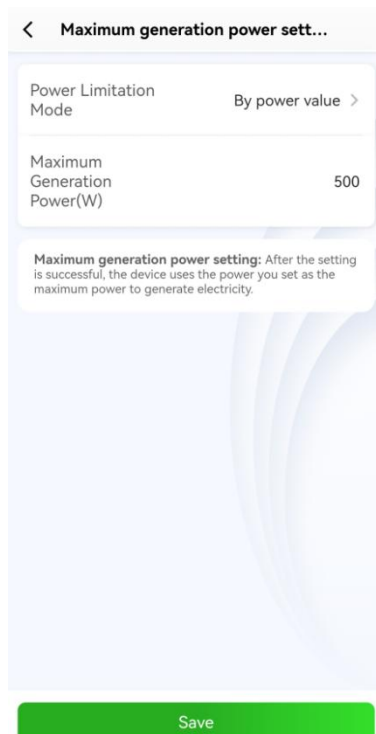
Prerequisites

The plant has microinverters or hybrid inverters.

Operation Steps

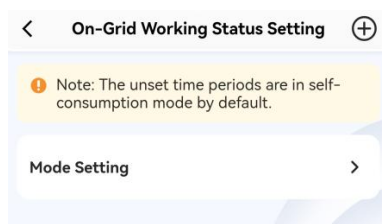
Power Limitation Steps

Step 1: Click 'Settings' in 'Plant' -> 'Devices' -> 'Details', modify the Power Limitation Mode, maximum power generation, click 'Save' to complete the settings (only microinverters can perform this operation).



Energy Storage Working Mode Setting

Step 1: Select the On-Grid Working Status Setting, click the '+' button in the upper right corner, add different periods (such as Monday, Tuesday, etc.), and configure the working mode in different time periods of the period, including Self-consumption, Backup (Green), Backup (Grid), and Feed-in; if not set, the default is Self-consumption.



Step 2: Select the Mode Setting, configure the minimum SOC threshold during the execution of different working modes.

Step 3: Select the Off-grid Working Status Setting, configure the minimum SOC threshold during the execution of the off-grid mode.

- 36 -

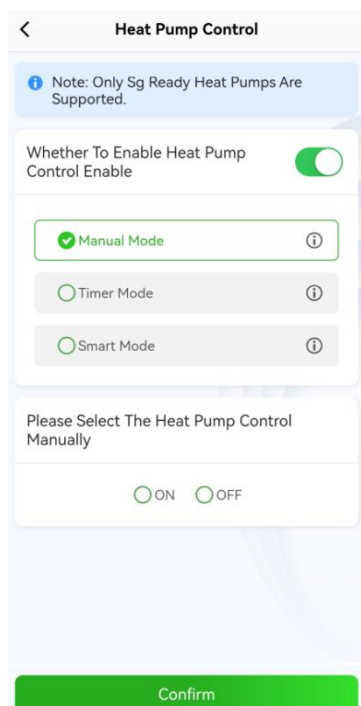
Step 4: Select the Battery Low SOC Protection Setting, configure whether to enable the battery low SOC protection setting, the default is the enabled state.

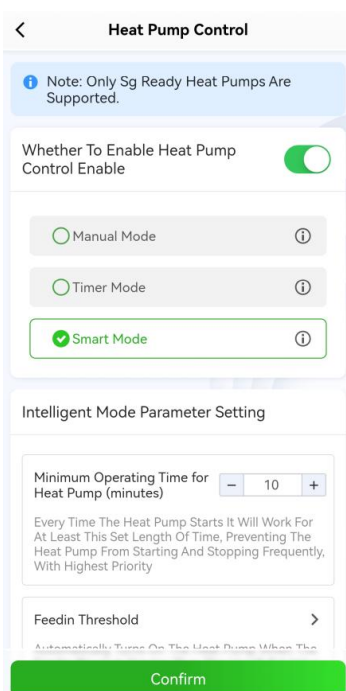
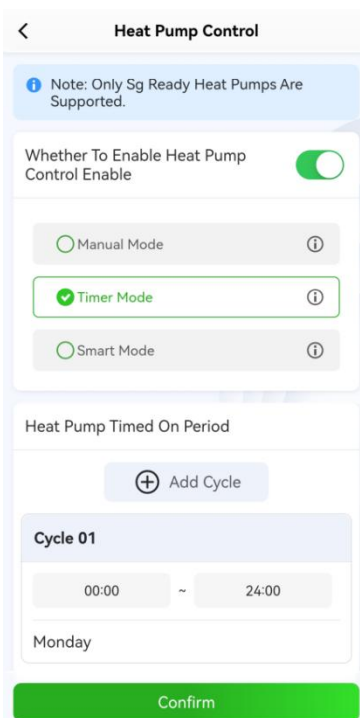


Step 5: Select the Battery Type Settings, configure the current mode as no battery mode or lithium battery mode.

Heat Pump Intelligent Control Setting Steps

Step 1: Click 'Heat Pump Control', click Whether to Enable Heat Pump Control Enable, select Manual Mode (manually control the opening and closing of the heat pump) / Timer Mode (set the timing to open the heat pump) / Smart Mode (intelligent power-saving mode, users customize the threshold, and the inverter automatically controls the switch of the heat pump after the conditions are met), click 'Confirm'





3.3 Services

You can use the Operation and Maintenance Tools, Daily Management, and Help Center under the service menu to perform daily management operations and troubleshoot device and system issues (owners do not have a service menu).

3.3.1 Alarm Info

Function Introduction

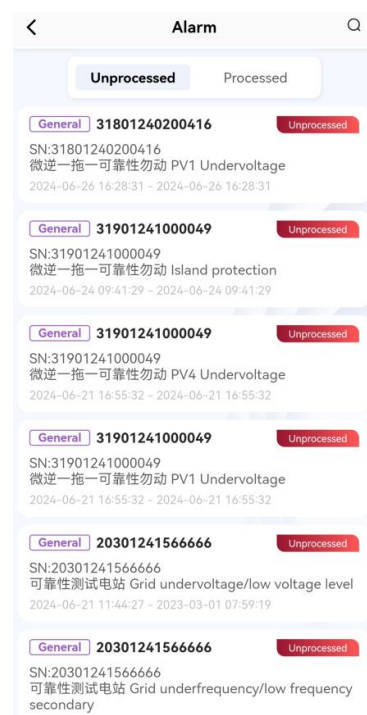
View and manage device and system alarm information, including current unprocessed alarms and historical processed alarms. Device alarms track real-time and historical alarms of the device, while system alarms track alarms during system activities.

Prerequisites

1. Plant creation has been completed (including the addition of DCSs or DMUs).
2. Device failure or alarms have occurred on-site.

Operation Steps

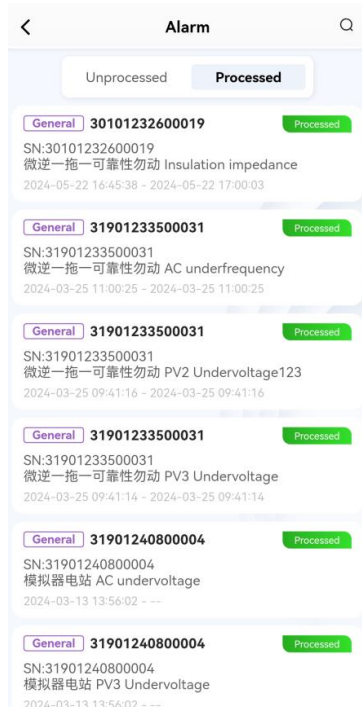
Step 1: Click 'Service' -> 'Alarm Info' to view the list of all device alarm information.



Step 2: Click on the unprocessed alarm data, and the alarm detail page will display the basic information of the alarm, and you can perform ignore operations.



Step 3: Click on the processed alarm data, and the alarm detail page will display the basic information and historical processing information of the alarm.



3.3.2 Near-end Debugging

Function Introduction

Obtain updated device files.

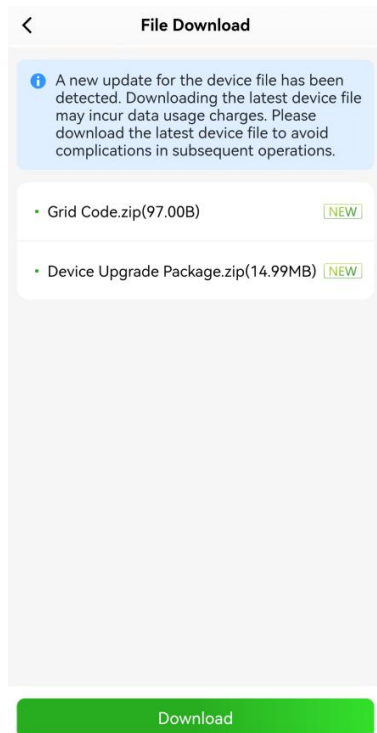
Prerequisites

1. Plant creation has been completed.

2. Device binding has been completed.

Operation Steps

Step 1: Click the 'Near-end Debugging' button, and download the updated device files from the file download list.



3.3.3 Download of Upgrade Package

Function Introduction

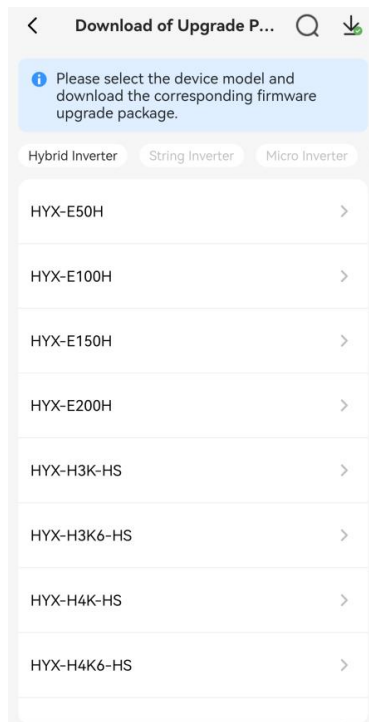
Download the upgrade package for device upgrades.

Prerequisites

1. Plant creation has been completed.
2. Device binding has been completed.

Operation Steps

Step 1: Click the 'Download of Upgrade Package' button, select the corresponding device type and model in the download list for firmware package download, and the upper right corner allows for quick search of firmware packages and viewing or deleting downloaded firmware packages.



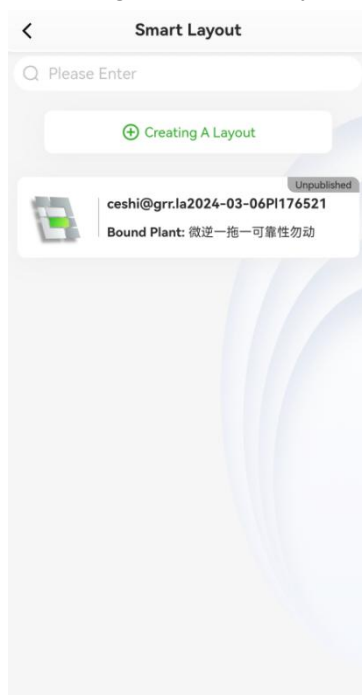
3.3.4 Smart Layout

Function Introduction

Intelligently arrange devices and display them in the corresponding physical view.

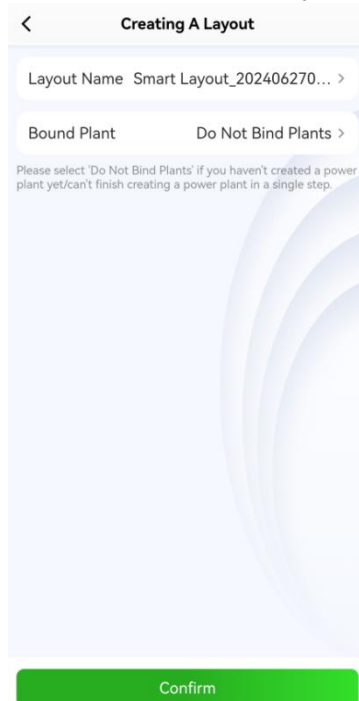
Operation Steps

Step 1: Click 'Service' -> 'Smart Layout', and you can create a layout or select a layout from the list for editing in the smart layout interface.

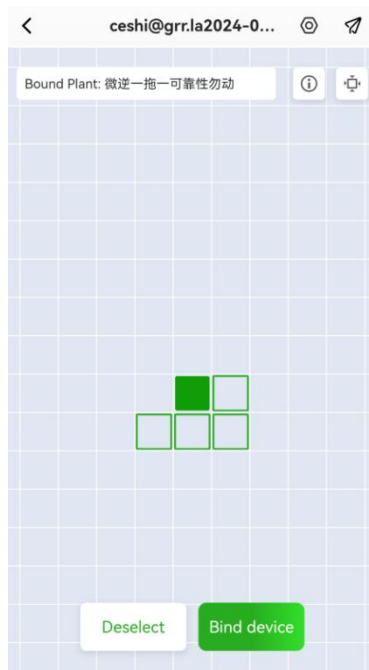


Step 2: Click 'Creating A Layout', fill in the layout name, and select the plant to be bound. If no

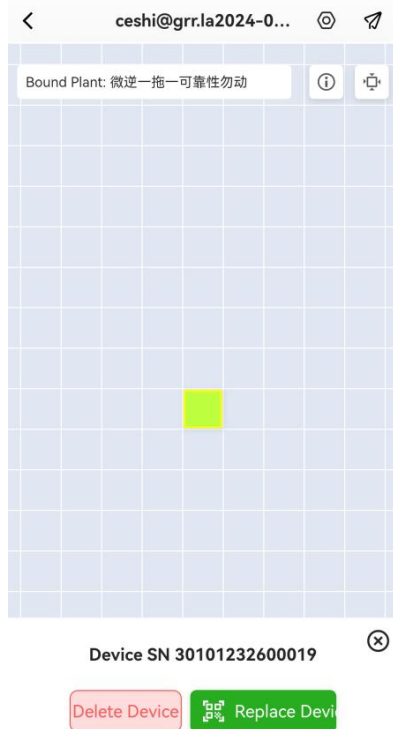
plant has been created yet, you can choose not to bind a plant, and finally click the 'Confirm' button to complete the layout creation.



Step 3: Enter the canvas interface, click on the grid on the canvas, and click the 'Bind Device' button to bind the device (up to 4 devices can be bound at a time).



Step 4: Click on the grid of the bound device to perform Delete/Replace device operations.



Step 5: If you want to exit the current canvas, you can choose to Save Only/Save and publish or give up the current editing content.

3.3.5 Device Management

Function Introduction

View the operating conditions, real-time information, basic information of all devices under all plants in the management system, and perform corresponding device settings.

Prerequisites

1. Plant creation has been completed.
2. Device binding has been completed.

Operation Steps

Step 1: Click 'Service' -> 'Device Management', search for a specific device by device name and SN, or filter devices by type and status. After clicking on the device list item, the device details will be displayed.



3.3.6 Wi-Fi Distribution Network

Function Introduction

APP end networking with the device to achieve data reporting and remote control of the device.

Prerequisites

1. Plant creation has been completed.
2. Device binding has been completed.

Operation Steps

Step 1: Click 'Service' -> 'Wi-Fi Distribution Network', scan the device's QR code to connect to the device, or choose manual connection, in the phone's settings - Wi-Fi to select the device Wi-Fi for connection.

3.3.7 Member Management

Function Introduction

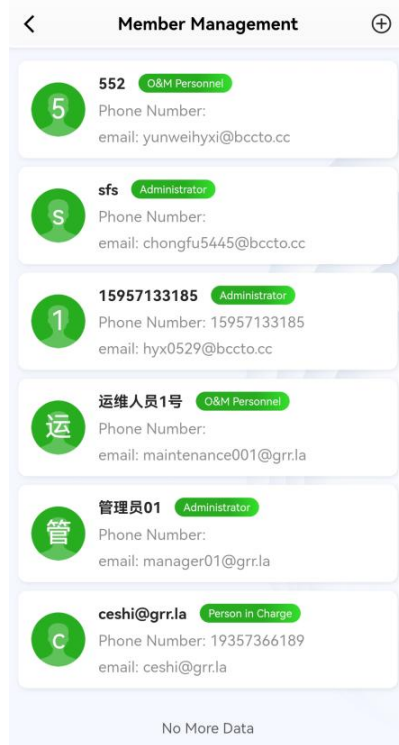
Organization leaders and administrators can manage organization members according to business needs.

Prerequisites

1. The user has registered an organization account.
2. The user has the relevant operation permissions.

Operation Steps

Step 1: Click 'Service' -> 'Member Management', and you can query all member data under the organization in the displayed list page.



Step 2: Click on the member list item to enter the member details, where you can view and maintain information such as associated plants, mobile numbers, emails, etc.

Step 3: Swipe left on the list item to delete the member.

Step 4: Click the '+' member button in the upper right corner, enter the role member's Name, Role, Phone number/Email, Linked plant in the pop-up page, click 'Invite' (authorization from the user is required), the system will send an SMS/email with an initial password.

Constraints

Edit: Cannot edit yourself, cannot edit the Person in Charge.

Delete: Cannot delete yourself, cannot delete the Person in Charge.

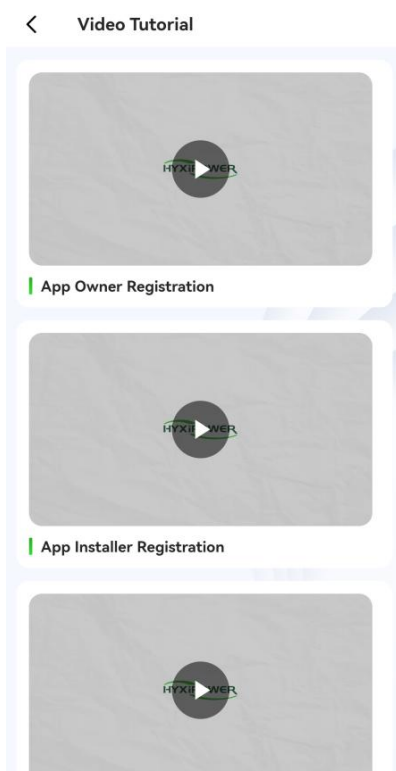
3.3.8 Video Tutorial

Function Introduction

View video tutorials on owner registration, installer registration, organization management, near-end debugging, plant creation process, introduction to various device types, and device installation.

Operation Steps

Step 1: Click 'Service' -> 'Video Tutorial', and you can view the corresponding tutorial videos in the list.



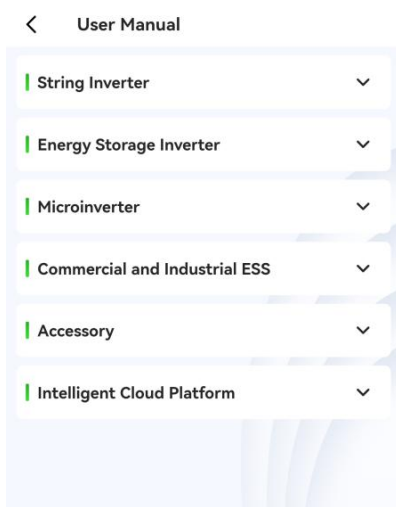
3.3.9 User Manual

Function Introduction

View detailed instructions for each device type.

Operation Steps

Step 1: Click 'Service' -> 'User Manual', and click on the device type name in the manual list to view detailed instructions for different device models.



3.3.10 Feedback

Function Introduction

Introduce how to provide feedback on issues and suggestions encountered during use.

Operation Steps

Step 1: Click 'Service' -> 'Feedback', enter the product type, problematic device, problem description, attachment, contact information, and check the box for 'Authorize the service provider to contact me', then click the 'Submit' button to complete the feedback.

The screenshot shows a mobile app interface for a 'Feedback' form. At the top, there is a back arrow and the title 'Feedback'. The form contains several input fields: 'Product Type' (with a red asterisk and a 'Please Select >' prompt), 'Faulty Device' (a section header), 'Plant' (with a 'Please Select >' prompt), 'Device Type' (with a 'Please Select >' prompt), and 'Device SN' (with a 'Please Enter' prompt). Below these is a 'Question Description' section with a red asterisk, a text area containing the instruction 'Please enter a problem description of more than ten characters, so that we can provide better help.', and a character count '0/500'. Underneath is an 'Attachment' section with a note '(Up to 6 files can be uploaded, with each file not exceeding 10 M.)' and a large plus sign icon. This is followed by a 'Contact Information' field with a 'Please Enter' prompt. A green 'Submit' button is located at the bottom of the form. Below the button is a checkbox labeled 'Authorize the service provider to contact me' which is checked. At the very bottom, there is a note: 'In case of emergency, please contact the service provider.' where 'the service provider' is highlighted in green.

3.3.11 Contact Service

Function Introduction

Introduce how to contact Hyxi.

Operation Steps

Step 1: Click 'Service' -> 'Contact Service', view the names, mobile numbers, emails, and addresses of organizations in each region, click the call button next to the mobile number to

contact the service provider.

3.3.12 FAQ

Function Introduction

Introduce how to seek help when encountering APP usage issues.

Operation Steps

Step 1: Click 'Service' -> 'FAQ' button, display the list of questions and help instructions, and view them one by one.

3.4 Me

Business operations related to me personally, such as Profile, Message Center, Organization Information, Application Sharing, Settings, etc.

3.4.1 Message Center

Function Introduction

Introduce how to view notification messages.

Operation Steps

Step 1: Click 'Me' -> 'Message Center', view the message list, click on a message to check the details, including the message subject, content, sender, and send time.

Step 2: Click the 'Mark All as Read' button in the upper right corner of the message list to mark all messages as read.



3.4.2 Organization Information

Function Introduction

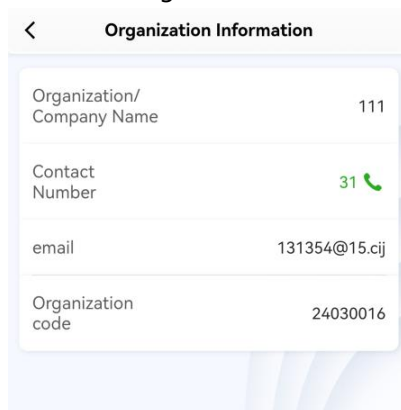
Introduce how to view information related to the organization where your account is located.

Prerequisites

Only accounts within the organization can view this function

Operation Steps

Step 1 Click 'Me' -> 'Organization Information', view the Organization Name, Contact Number, Email, and Organization code. Click the call button of the contact number to call the organization.



4 APP Business Function Description (Owner Side)

4.1 Home Page

Through the home page overview, you can understand the operating conditions of all plants in the management system.

4.1.1 Home Page

Function Introduction

The home page provides an overview that allows you to understand the operating conditions of all plants within the management system.

Prerequisites

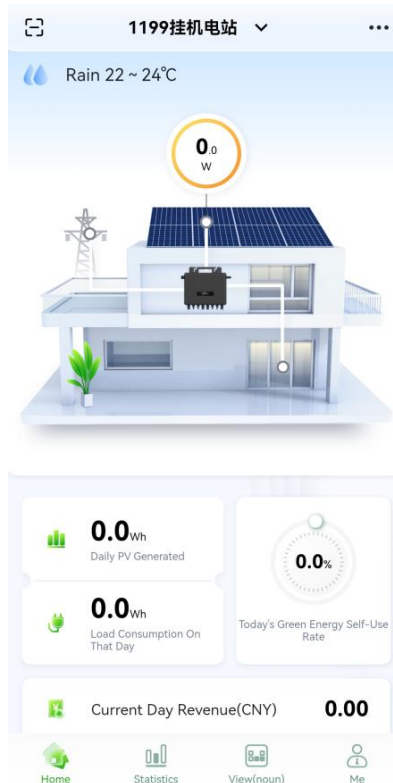
1. Plant creation has been completed.

Operation Steps

Step 1: Tap the Home menu to view plant data; you can select the specific plant data you want to

see through the top dropdown menu.

Step 2: On the home page interface, you can display the plant's Daily PV Generated, Load Consumption on That Day, Today's Green Energy Self-Use Rate, Current Day Revenue, and today's weather.



4.1.2 Scan

Function Introduction

This feature allows you to add communication devices by scanning and bind them to the plant.

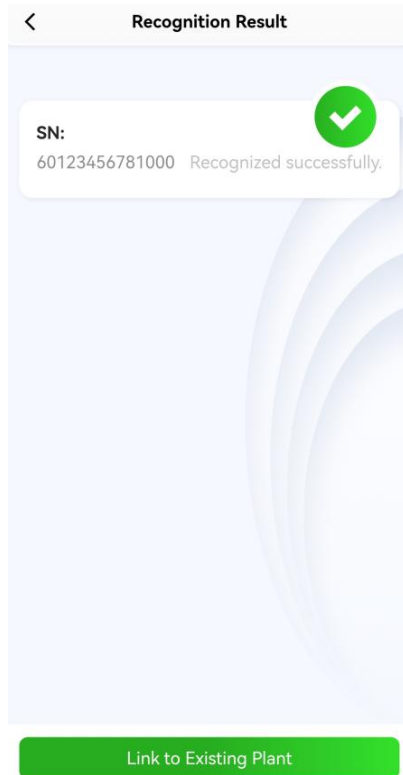
Prerequisites

1. Customers have purchased Hyxi's communication devices and inverters on-site.
2. Plant creation has been completed.

Operation Steps

Step 1: Tap the 'Scan' button in the upper left corner of the home page menu to access the scanning page.

Step 2: Obtain the SN of the communication device by scanning QR codes, manually entering, or recognizing QR codes in the album, and display the successful recognition result. Alternatively, you can scan the shared plant QR code to become a visitor of the plant.



Step 3: Tap 'Link to Existing Plant' find and select the corresponding plant through search or scrolling, and then tap 'Confirm' to complete the binding of the device to the plant.

4.1.3 Plant Information

Function Introduction

View basic information of the current plant and perform operations such as adding plant and setting devices.

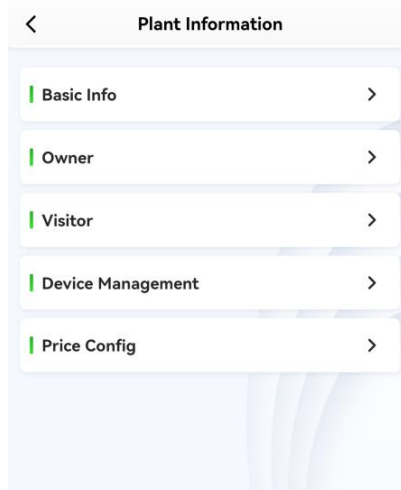
Prerequisites

Plant creation has been completed.

Operation Steps

Step 1: Tap the 'More' button in the upper right corner and select 'Plant Information.'

Step 2: On the current page, you can view the basic information of the plant and edit information except for the owner's details.



4.1.4 Plant Device

Function Introduction

View information about the current plant device and perform operations on the device.

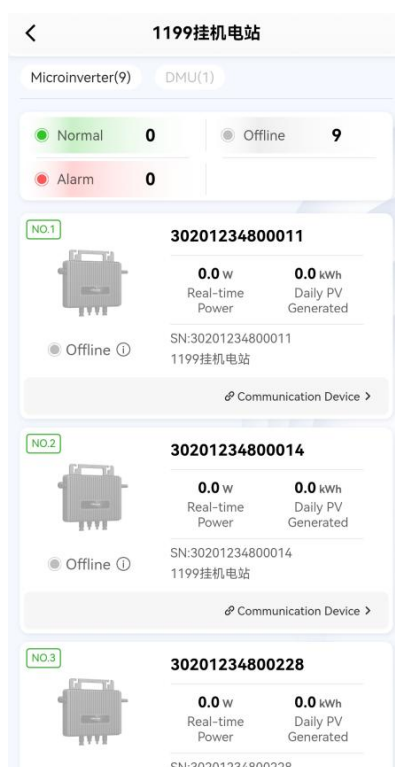
Prerequisites

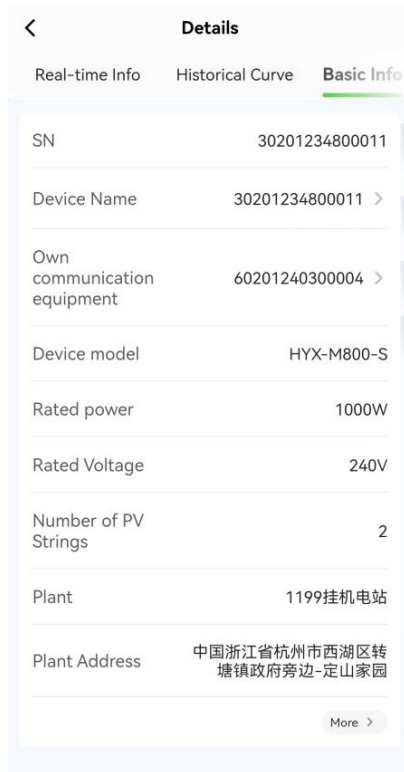
Plant creation has been completed.

Operation Steps

Step 1: Tap the 'More' button in the upper right corner and select 'Plant Device'

Step 2: On the plant device page, display all types of devices in the plant, including Microinverters, String Inverters, Hybrid Inverters, Optimizers, DMUs, DCSs, Meters, and EMSs. Tap on each device list item to go to the device details page, which shows Real-time Info, Historical Curves, and Basic Info.





Step 3: Device operation details are described in 3.2.6.

4.1.5 Plant Alarm

Function Introduction

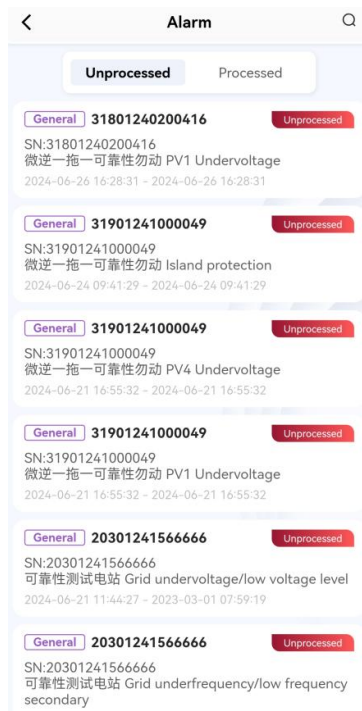
This feature explains how to view and manage device and system alarm information, including current unprocessed alarms and historical processed alarms. Device alarms track real-time and historical alarms of the device, while system alarms track alarms during system activities.

Prerequisites

1. Plant creation has been completed (including the addition of DCSs or DMUs).
2. Device failure or alarms have occurred on-site.

Operation Steps

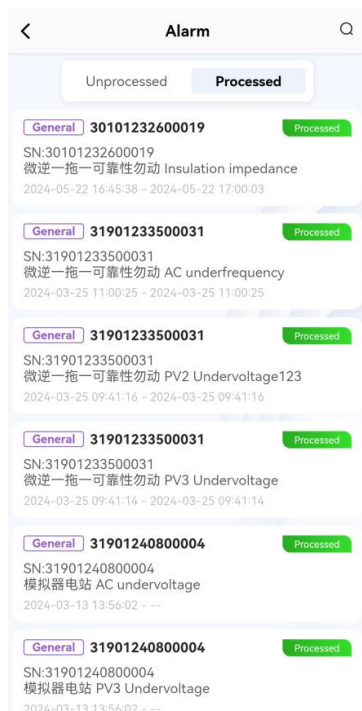
Step 1: Tap the 'More' button in the upper right corner and select 'Plant Alarm' then view all device alarm information in the displayed list.



Step 2: Click on the unprocessed alarm data, and the alarm detail page will display the basic information of the alarm, and you can perform ignore operations.



Step 3: Click on the processed alarm data, and the alarm detail page will display the basic information and historical processing information of the alarm.



4.1.6 Plant Inspection

Function Introduction

Automatically score from dimensions such as Info Adequacy, Meter Situation, Offline Device, Alarm Situation, Generator Anomaly, and Layout Situation to intuitively display the comprehensive health index of the plant, helping to quickly identify and resolve potential issues, ensuring efficient and stable operation of the plant.

Operation Steps

Step 1: Click 'More', select 'Power Station Medical Checkups', click the 'Immediate Medical Examination' button, wait for the check-up process to end, and you can get the plant check-up score, and you can view the check-up history in the upper right corner.



4.2 Statistics

Function Introduction

Through the statistics menu page, you can understand the operating conditions of all plants in the management system.

Prerequisites

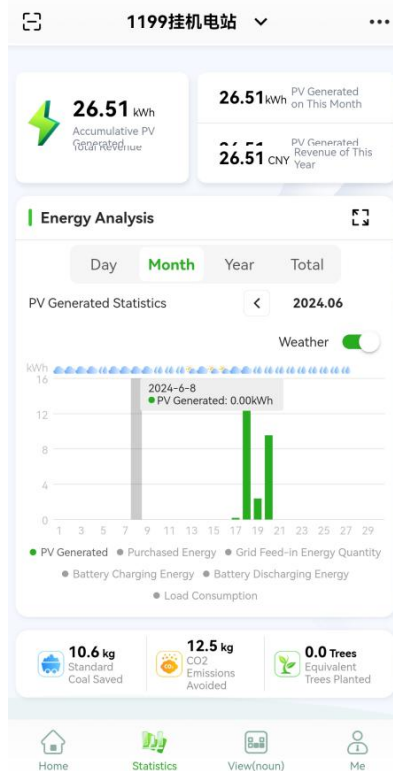
Plant creation has been completed.

Operation Steps

Step 1: Click the 'Statistics' menu and view the plant's PV Generated, Revenue, and other data through the top data.

Step 2: Through energy analysis, view the power change curve of all plants for the day and the total power change graph for the month and year.

Step 3: Through the bottom social benefits, view the Standard Coal Saved, CO2 Emissions Avoided, and Equivalent Trees Planted.



4.3 Views

Function Introduction

The view can display the distribution of the plant's Microinverters, Optimizers, and their components.

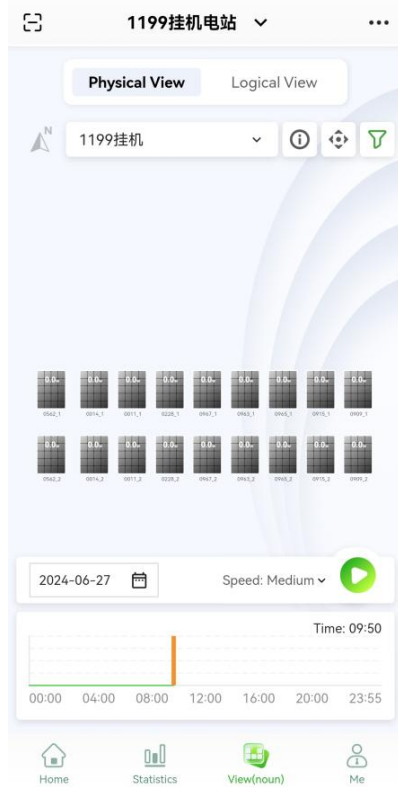
Prerequisites

Plant creation has been completed.

Operation Steps

Step 1: In the View, you can display the distribution of the plant's microinverters, optimizers, and their components. Clicking on the components in the canvas will display their real-time status and data in a floating window.

Step 2: The power curve player at the bottom of the physical view and logical view can be linked with the components in the canvas. Click the play button, and the player starts playing from the progress bar, and the online optimizers will dynamically display the corresponding power values and green ripples.



4.4 Me

4.4.1 Wi-Fi Distribution Network

Function Introduction

APP end networking with the device to achieve data reporting and remote control of the device.

Prerequisites

1. Plant creation has been completed.
2. Device binding has been completed.

Operation Steps

Step 1: Click 'Service' -> 'Wi-Fi Distribution Network', scan the device's QR code to connect to the device, or choose manual connection, in the phone's settings - Wi-Fi to select the device Wi-Fi for connection.

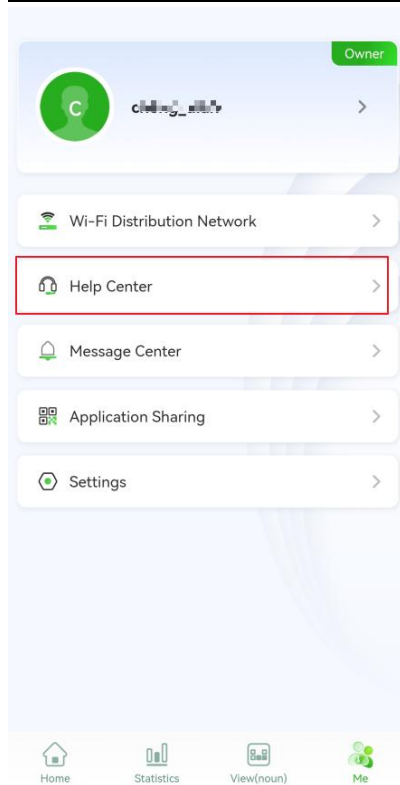
4.4.2 Help Center

Function Introduction

Introduce how to seek help when encountering APP usage issues.

Operation Steps

Step 1: Click 'Me' -> 'Help Center' to view help instructions from the FAQ.



4.4.3 Message Center

Function Introduction

Introduce how to view notification messages.

Operation Steps

Step 1: Click 'Me' -> 'Message Center', view the message list, click on a message to check the details, including the message subject, content, sender, and send time.

Step 2: Click the 'Mark All as Read' button in the upper right corner of the message list to mark all messages as read.



5 Contact Us

China-Zhejiang-Hangzhou

Zhejiang Hyxi Technology Co., Ltd.

Address: 9-10F, Building 3, Jiuyao Commercial Center, Zhuantang Street, Xihu District, Hangzhou, Zhejiang

Email: support@hyxipower.com

Website: www.hyxipower.com