

**FoxCloud
User Manual**



FoxESS

From powder to energy
From powder to energy

FOXESS CO.,LTD.

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1 Environment Installation

Hardware and software environment requirements for Android version of the phone

- Mobile phone memory of 1G or more.
- Android 4.1 and above operating system.

Hardware and software environment requirements for Apple version of the phone

- Require iphone 6s and above.
- 1G+ memory on board.
- ios 13 and above operating system.

2 FoxCloud Installation

You can search for "FoxCloud" in Google Play, HUAWEI AppGallery, App Store and install it.

3 Operation Steps

3.1 Registration

Operation steps

Step1 Click on "Sign Up", and then go to the registration page.

Step2 Fill in the user name, password and confirmation password as required and fill in the email address (optional). We recommend entering your email address to receive the verification code when resetting your password.

Step3 Click on "Terms of Service" to view and tick the Terms of Service.

Step4 Click "Next" to enter into product introduction.

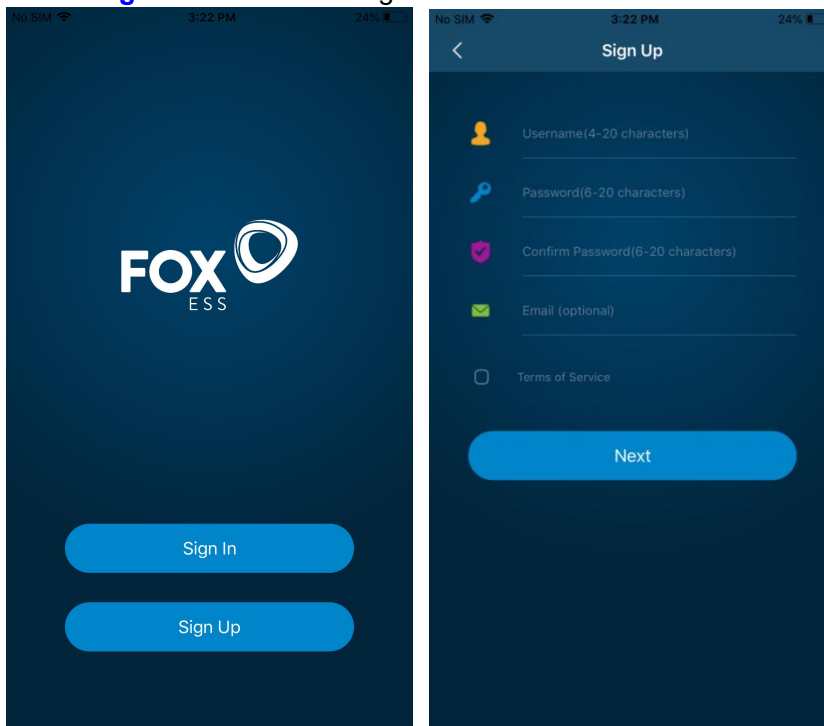
Step5 The product introduction screen has three roles to choose from, the roles are end user, installer and agency.

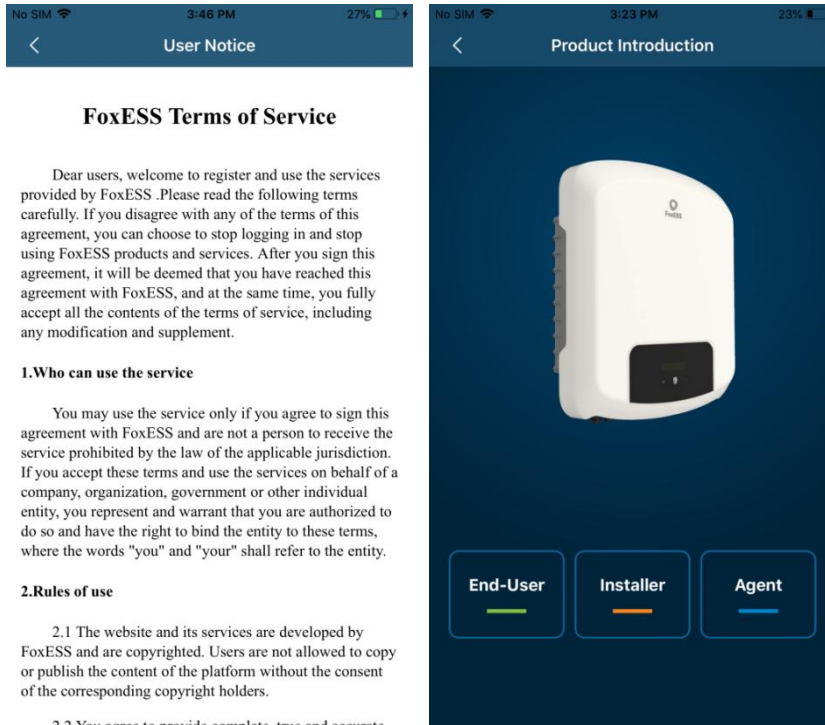
----End

- Join as an agent

After clicking on the agent, select an existing agent and enter the Invitation Code generated by that agent to complete agent membership registration.

Figure1-1 Join as an agent

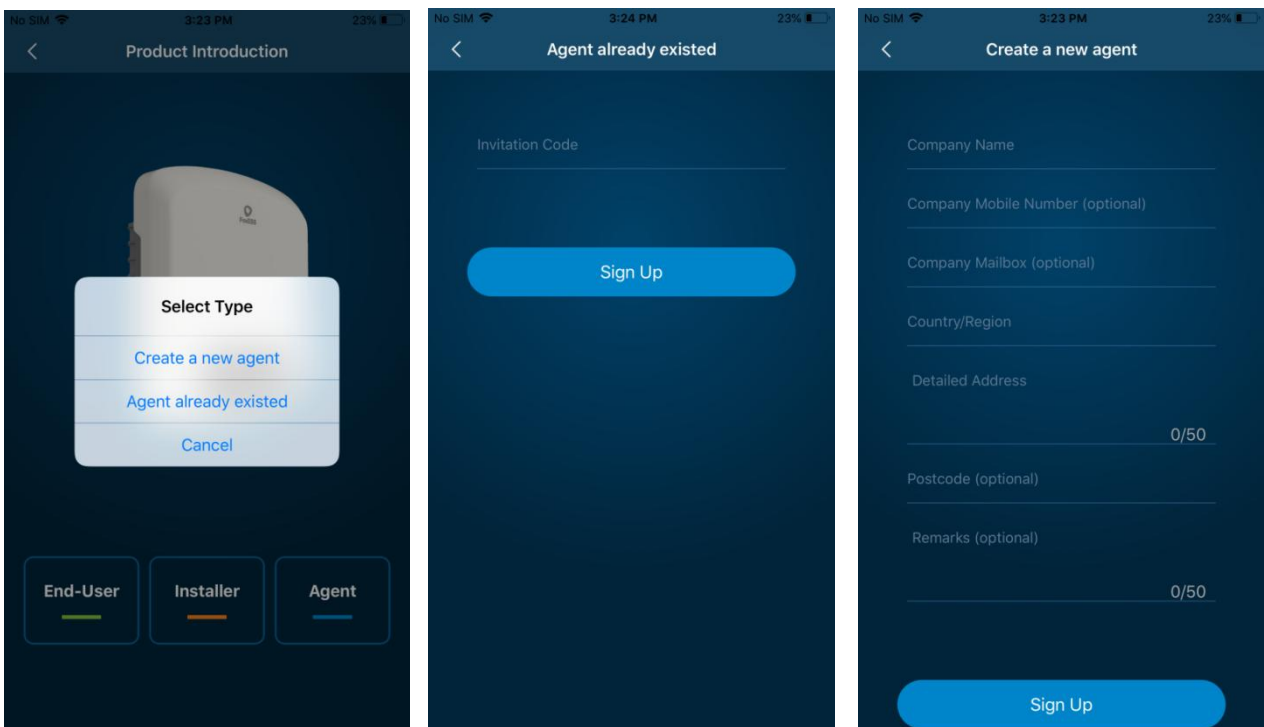




- Create an agent

After clicking on the agent, select New Agent, enter the agent's name, country/region, agent's company address and email address and click on Confirm to complete the agent registration.

Figure1-2 Create an agent



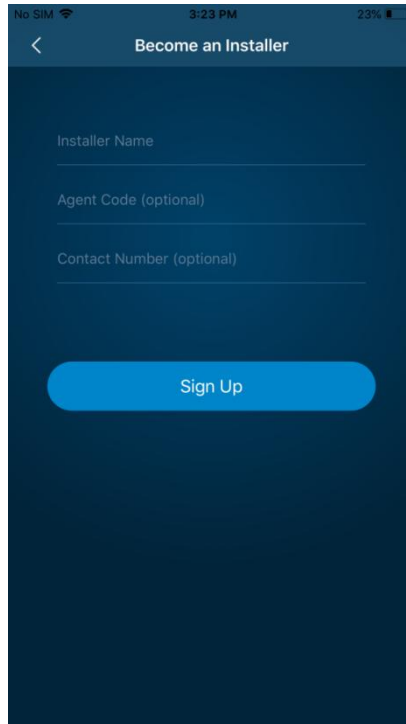
- Installer

After clicking on the installer, enter the name of the installer, it is recommended to enter the Agent Code and click on "Sign Up" to complete the registration.

 **NOTE**

Agent Code provided by agent

Figure1-3 Installer



The screenshot shows a mobile application interface for becoming an installer. At the top, the status bar displays "No SIM", "3:23 PM", and "23%". The app header is dark blue with a back arrow and the text "Become an Installer". Below the header are three input fields: "Installer Name", "Agent Code (optional)", and "Contact Number (optional)". At the bottom of the form is a large blue button labeled "Sign Up".

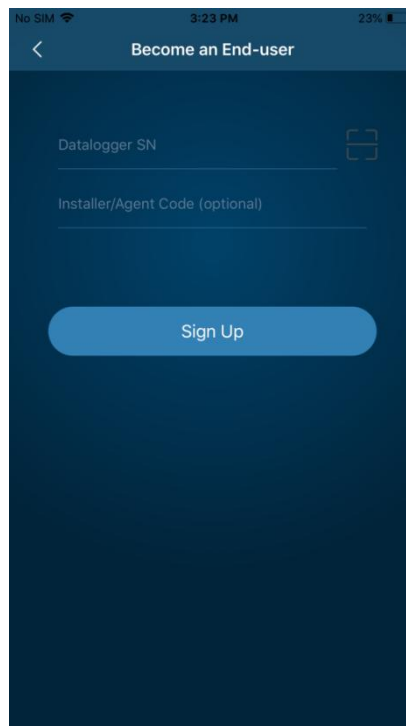
- End user

Click on the end user and enter the serial number of the communication module (WIFI/GPRS) or click on the QR code scanning box for a quick scan to complete the end user registration.

NOTE

It is recommended to fill in the "Installer/Agent Code", provided by the installer or agent.

Figure1-4 End user



-----End

3.2 Login

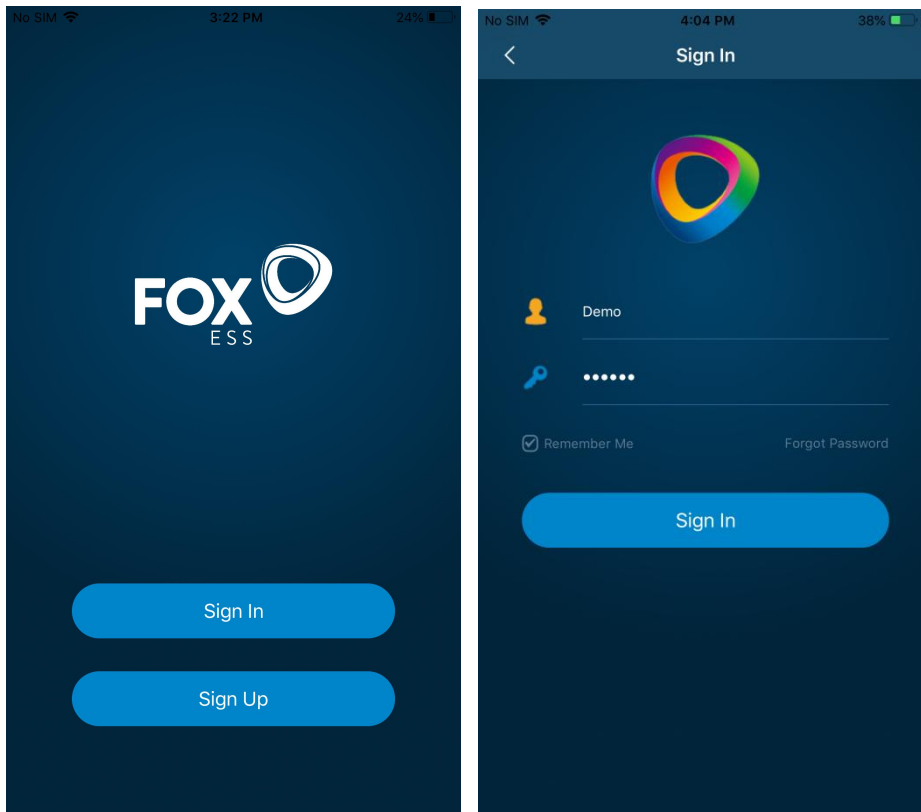
Operation steps

Step 1 Select "Sign In" on the front page to enter the login page.

Step 2 After entering your username and password, click "Remember Me" and then "Sign In" to login to the app.

----End

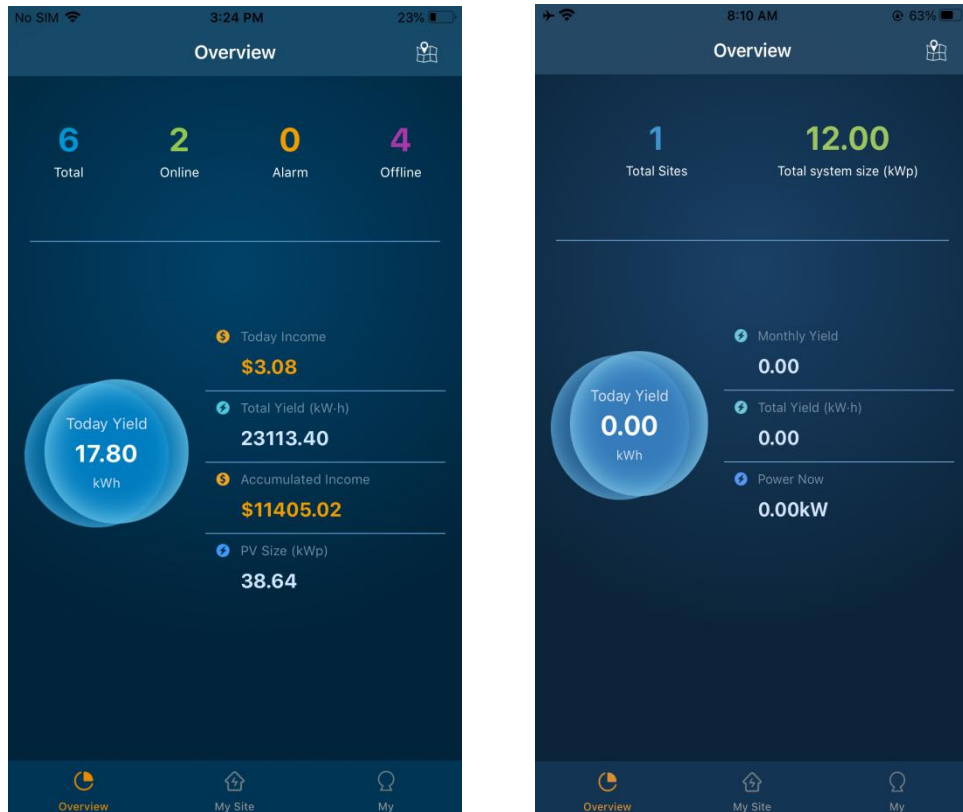
Figure2-1 Login



3.3 Overview

Displays an overview of online power plant information, including the number and status of plants, power generation statistics and power generation revenue statistics.

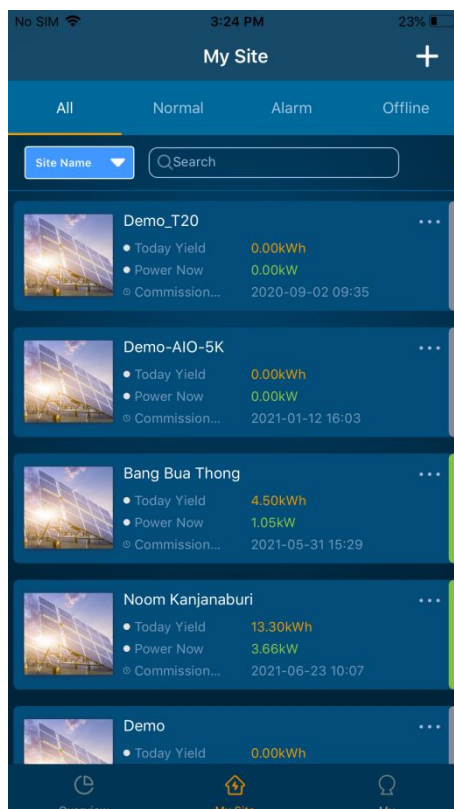
Figure3-1 Overview



3.4 My Site

- View information on all power stations under the current user
 - a. Agent: contains the power stations created by the Agent, the Installer is associated with the power stations created by the organization, the End User is associated with the power stations created by the organization.
 - b. Installer: contains the power station created by the Installer and the power station created by the End User associated with the Installer.
 - c. End User: the power station created by End User and the power station associated with End User.
- You can search and query by power station name, inverter SN, datalogger SN, and also view the power station by status.

Figure4-1




-----End

3.5 Create a Power Station

3.5.1 Create Agent and Installer

Operation steps

Step 1 Click on the  in the top right hand corner of "My Site" to enter the build page and fill in the basic information about the power station.

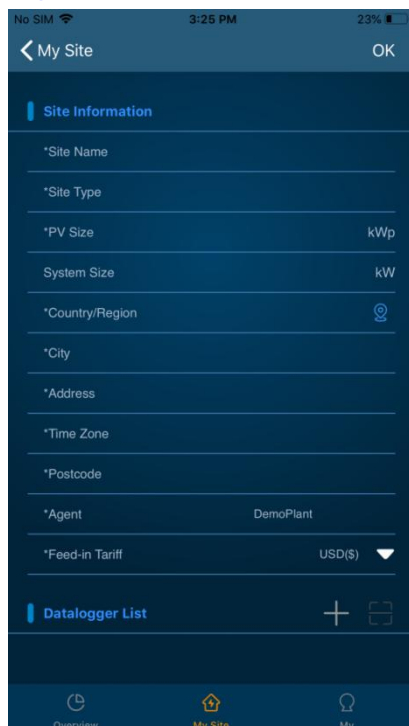
Step 2 Select the type of power station

- If all inverters in the power station are PV grid-connected inverters then select PV and set up a PV plant.
- If all inverters in the power station are energy storage inverters then choose energy storage and establish an energy storage power station.

Step 3 Enter the plant address and time zone and select the tariff to facilitate the calculation of plant revenue.

Step 4 Click on the Add/Sweep icon in the collector list, add the serial number of the communication module, bind that communication module to the power station and click on Confirm to finish building the station.

Figure5-1




The screenshot shows a mobile application interface for creating a power station. The title bar at the top reads "My Site" with a back arrow on the left and an "OK" button on the right. Below the title bar is a section titled "Site Information" with a blue vertical bar on the left. The form contains several input fields: "*Site Name", "*Site Type", "*PV Size" (with a unit of "kWp"), "System Size" (with a unit of "kW"), "*Country/Region" (with a location icon), "*City", "*Address", "*Time Zone", and "*Postcode". There are also fields for "*Agent" (with the value "DemoPlant") and "*Feed-in Tariff" (with a unit of "USD(\$)" and a dropdown arrow). Below the "Site Information" section is a section titled "Datalogger List" with a blue vertical bar on the left, a plus sign icon, and a square icon. At the bottom of the screen is a navigation bar with three icons: "Overview", "My Site" (highlighted in orange), and "My".

----End

3.5.2 End User Creation/Association of Power Stations

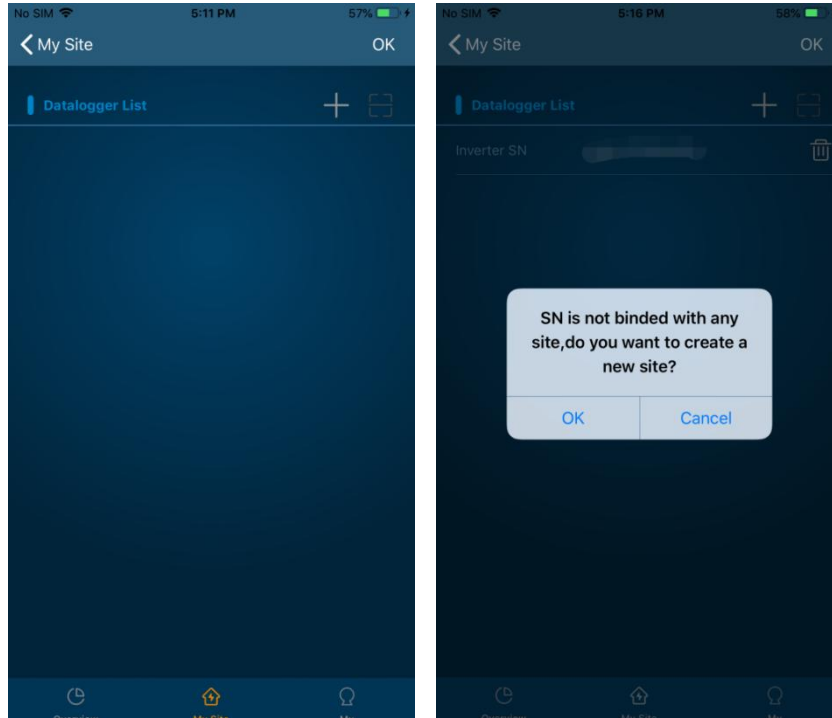
Operation step

Step 1 Click on the  in the top right hand corner of "My Site" to enter the association screen.

Step 2 Click on the Add/Sweep icon in the collector list, add the serial number of the communication module and click "OK".

- If the agent or installer has created a power station, the station is successfully associated.
- If no power station has been created, click on "OK" in the prompt box to jump to the Create Power Station page in Figure 5-1, where the end user creates the station themselves.


Figure5-2



----End

3.6 Edit and Delete Power Stations

Operation step

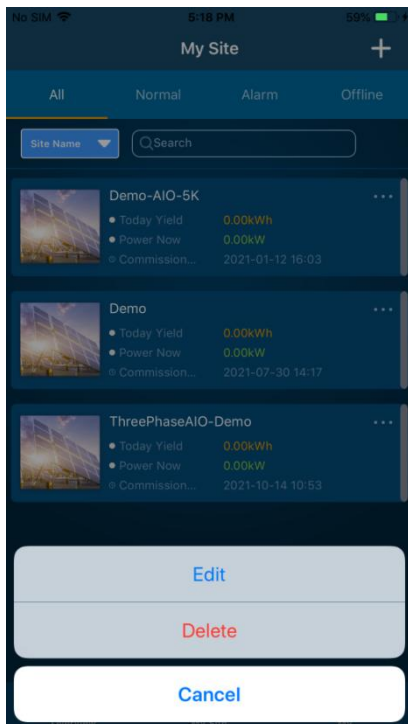
Step 1 In "My Site", click on the icon  to the right of the power station and a pop-up window will appear.

Step 2 Select Edit in the pop-up window to make changes to the power station information once you are on the power station edit page.

Step 3 Click on the Add/Sweep icon in the collector list to add a collector to a power station.

Step 4 Click on the delete icon in the list of collectors to delete the collector tied to the power station.

Figure6-1



----End

3.7 Power Station Details

Operation step

Step 1 Click on the name of the power station in "My Site" to go to the details of that power station.

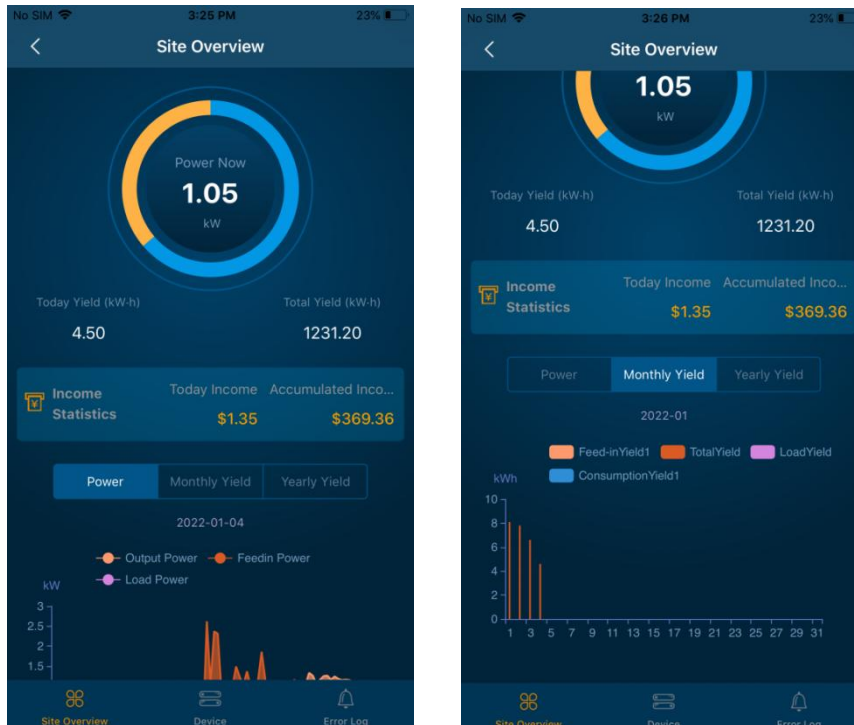
----End

3.7.1 Site Overview

Shows the current power of the plant, today's / cumulative power generation, and today's / cumulative revenue.

- Power: Shows the power of the power station for the current day and allows you to filter the date to see the historical power curve.
- Monthly/Yearly Yield: Shows a histogram of the current month/year's generation.

Figure7-1



3.7.2 Device

Showing all the inverters currently in the power station.


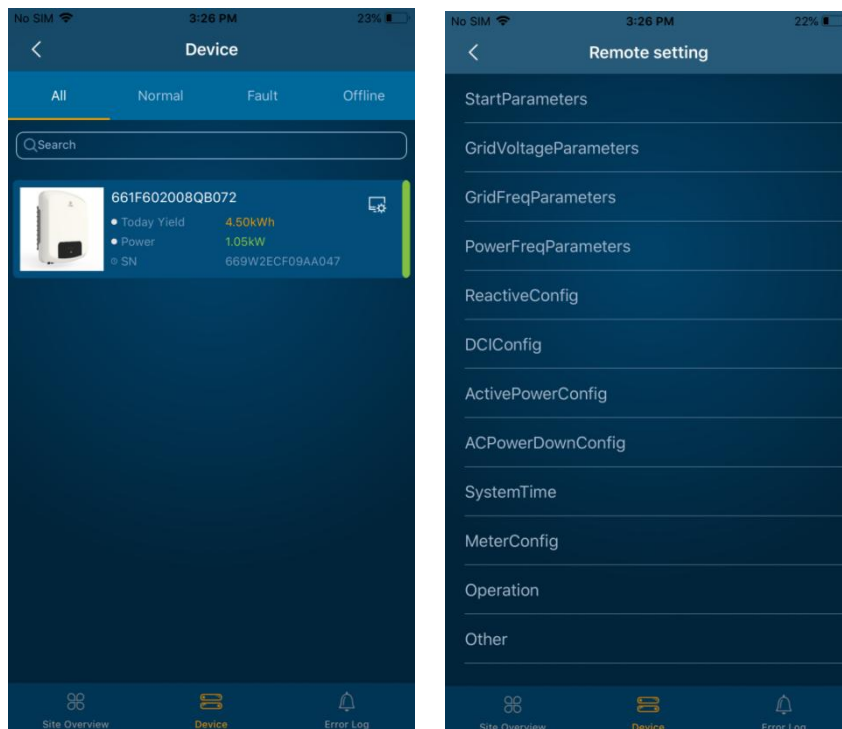
- Target inverters can be searched by inverter status.
- Non-terminal users can set up the inverter remotely by clicking on the "  " in the top right corner.

Figure7-2



3.7.2 Error Log

Displays error messages for all equipment in the current power station for the day.

- The error reporting for this inverter can be obtained individually by searching for the inverter SN.

Figure7-3



3.8 Equipment information Operation step

Step 1 Select the power station under "My Site" to go to the power station details page.

Step 2 Click on "Device" to go to the device list page.

Step 3 Click on a device to go to the device details page.

----End

3.8.1 Equipment Details Page

Includes Device Statistics, Real-Time Data, Version and Battery specific to the energy storage machine.

3.8.1.1 Device Statistics

Display of inverter cumulative and daily/monthly/annual power generation and revenue.

- Power: Shows the inverter power for the current day, with the possibility of filtering the date to view the historical power curve.
- Monthly/Yearly Yield: Shows a histogram of electricity generation for the month/year.

Figure8-1



3.8.1.2 Real-time Data

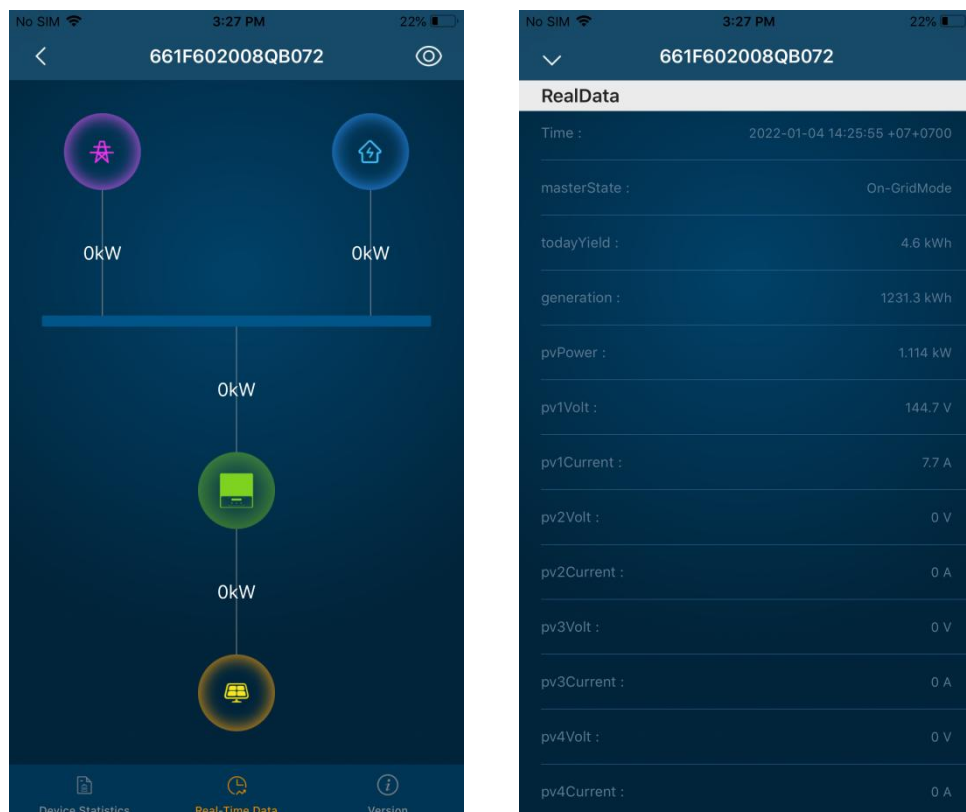
The current output power flow of the inverter is shown in the form of a flow diagram.

Operation step

Step 1 Click on the "👁️" in the top right corner to view the live data.

----End

Figure8-2



3.8.1.3 Version

Lists the serial number, model and version of the current inverter as well as information about the plant where the inverter is located.

Figure8-3

661F602008QB072	
Inverter SN	661F602008QB072
Site Name	Bang Bua Thong
Datalogger SN	669W2ECF09AA047
Inverter Model	F6000
Device Status	Normal
Country/Region	Thailand
City	Nontaburi
Address	14/2104
Grid-connected Time	2021-05-31 15:46
Inverter Hardware Ve...	
Master Version	1.11
Slave Version	1.02
Manager Version	2.07

3.8.1.4 Battery

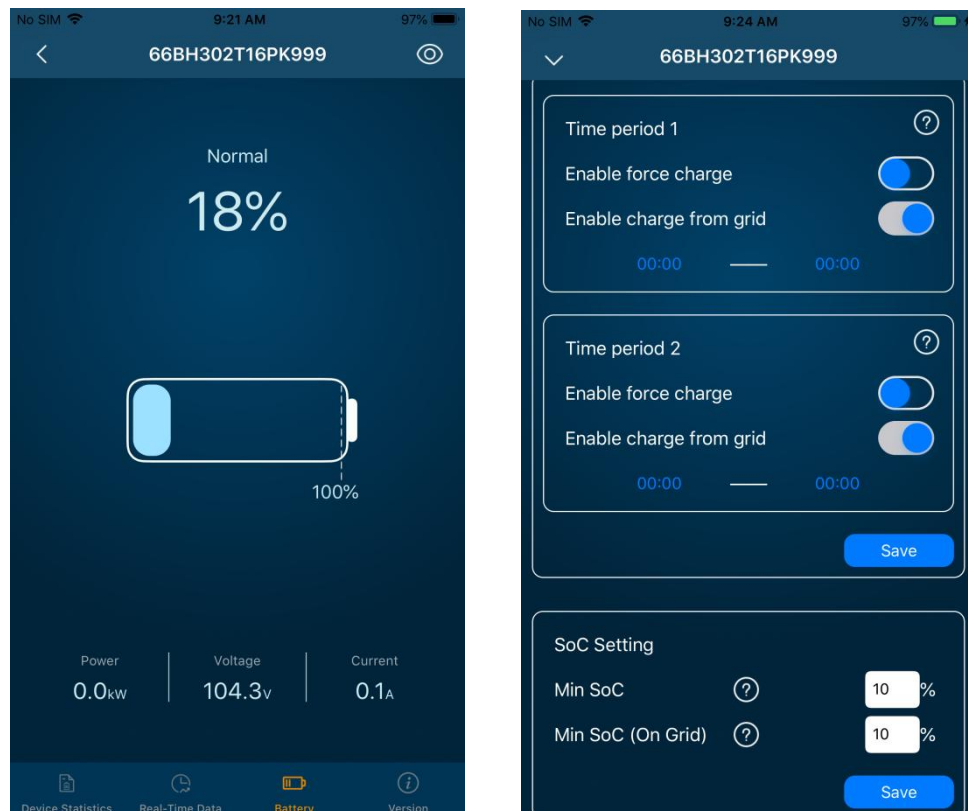
Shows the current operating status, charge, voltage, power and current of the batteries in the inverter.

Operation step

Step 1 Click on the "🎯" in the top right corner to set the charging and discharging time period.

----End

Figure8-4



3.9 My

Shows information such as user name, user role, and current version of the app.
(Figure 9-1 for Agent, Figure 9-2 for Installer, Figure 9-3 for End-User)

Figure 9-1 The Agent

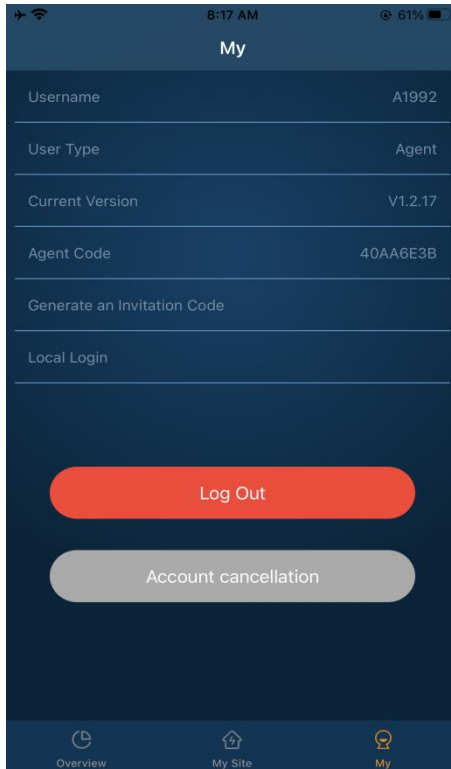


Figure 9-2 The Installer

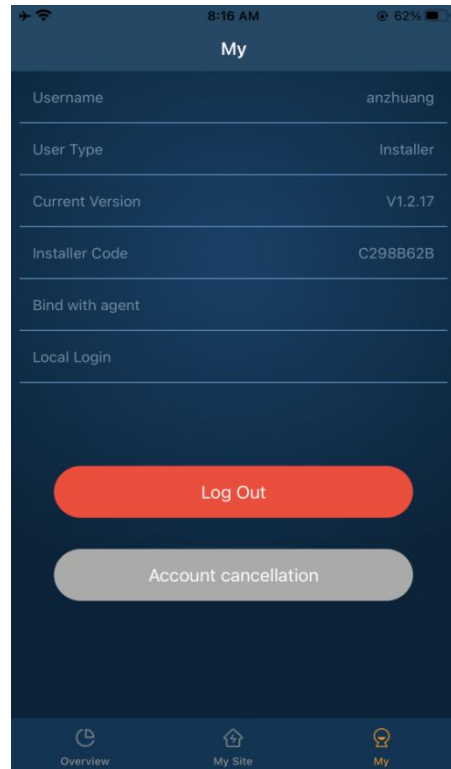
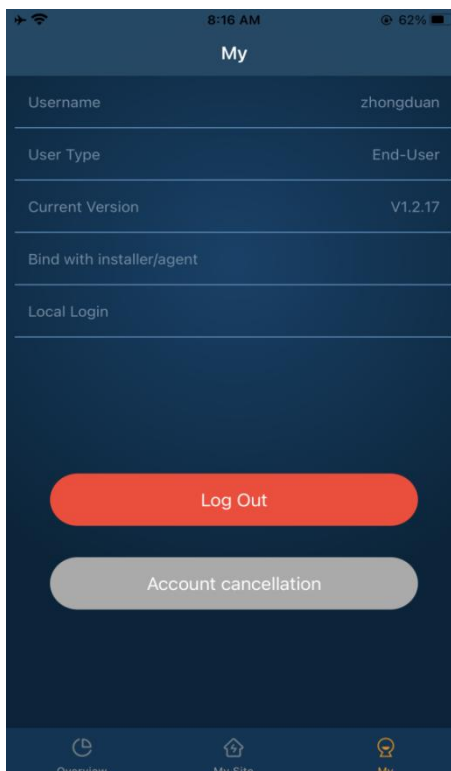


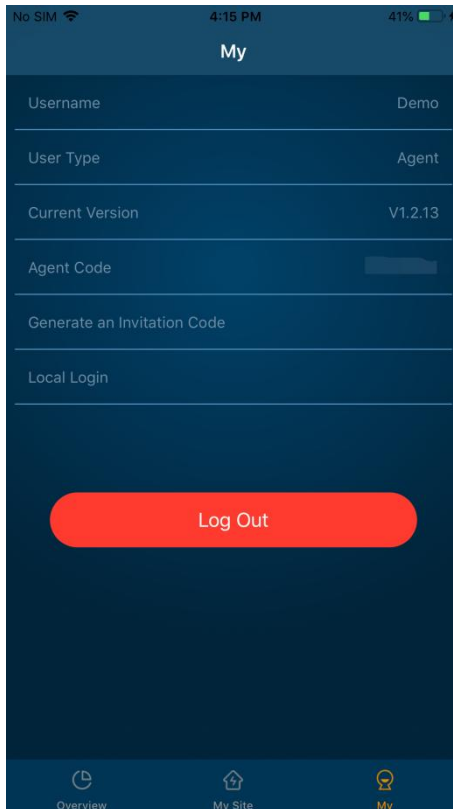
Figure 9-3 End-User



Operation step

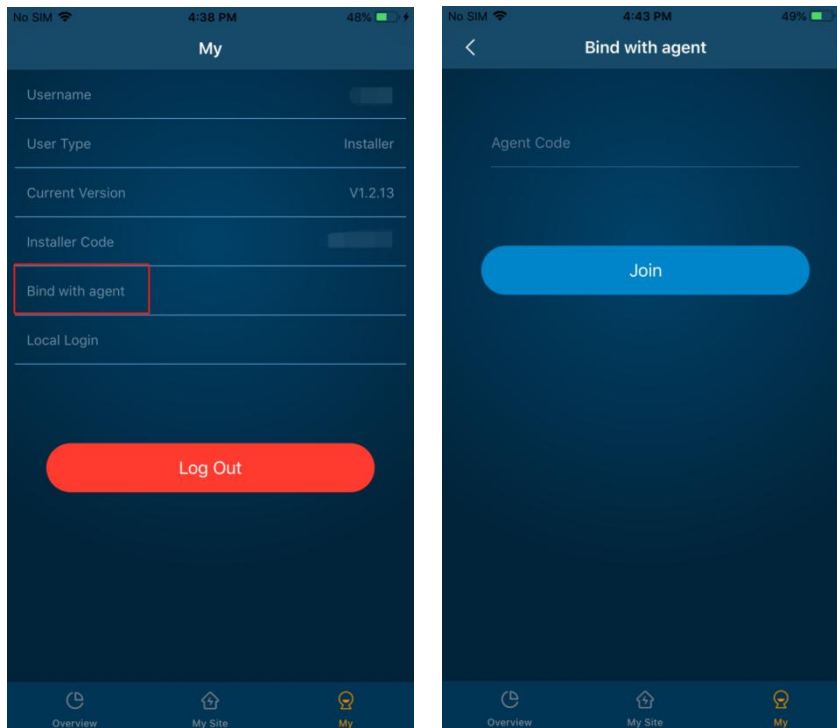
Step 1 The Distributor has the ability to generate an Invitation Code for new users to register to join the Distributor. Click on "Generate an Invitation Code" to generate it.

Figure10-1



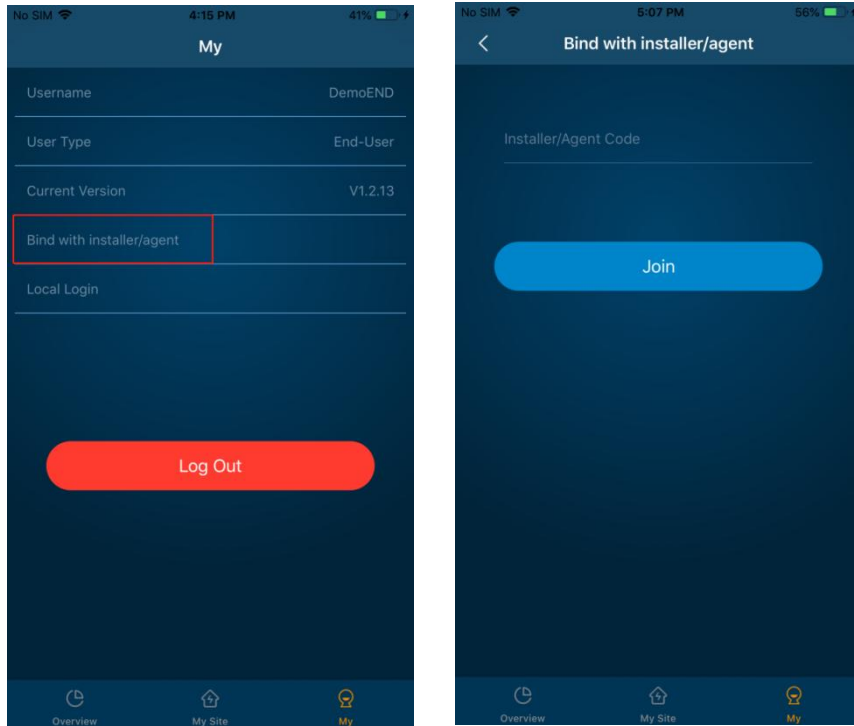
Step 2 After the installer has clicked on Bind with agent, enter the Agent Code and click on "Join" to bind the agent. Installers can bind multiple agents, but not installers.

Figure10-2



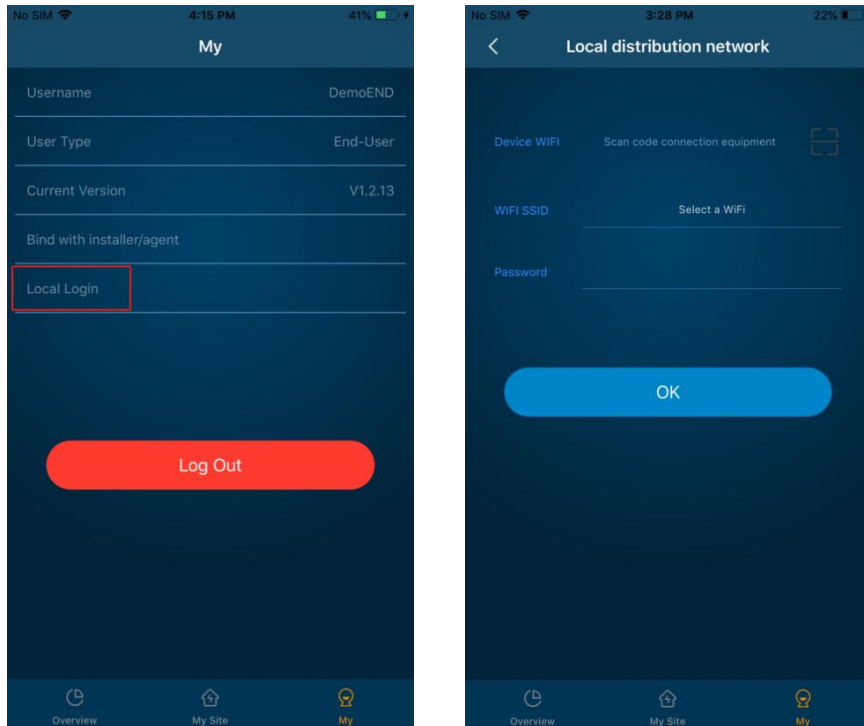
Step 3 If an end-user does not fill in the Installer/Agent Code during registration and needs to add it, click on "Bind with installer/agent" and then enter the corresponding code and click "Join".

Figure10-3



Step 4 Local Login: Click on "Local Login" to access the local network.

Figure10-4



Step 5 Click on "Log Out" to log out of your current account.

----End

3.10 Password Forget

Operation step

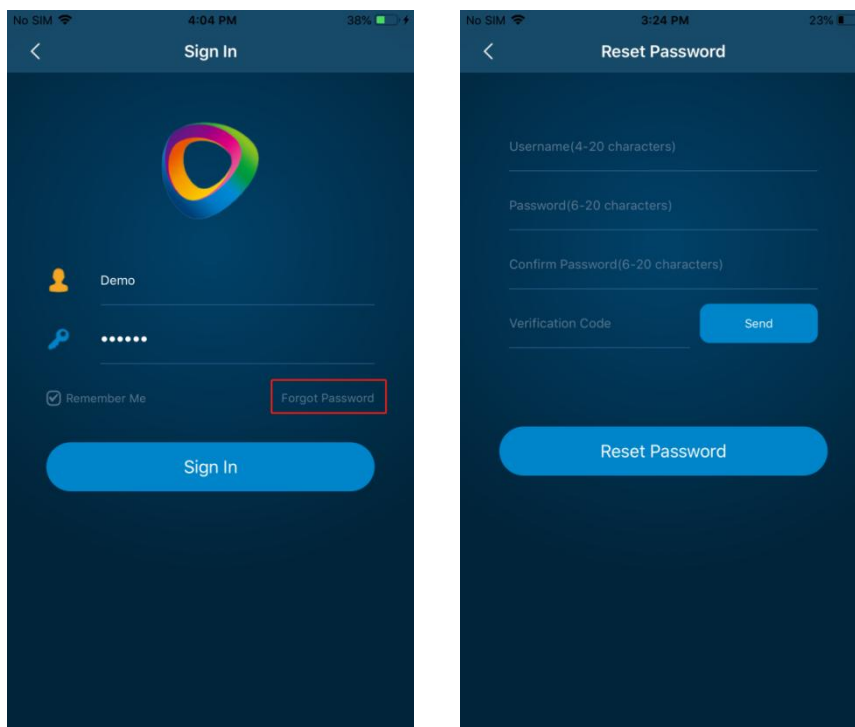
Step 1 On the login page there is a function to forget your password, click on "Forgot Password".

Step 2 Enter your username, password and confirm your password.

Step 3 Click on "Send" and the verification code will be sent to your email address.

Step 4 Enter the verification code and click "Reset Password" to complete the password change.

Figure11-1

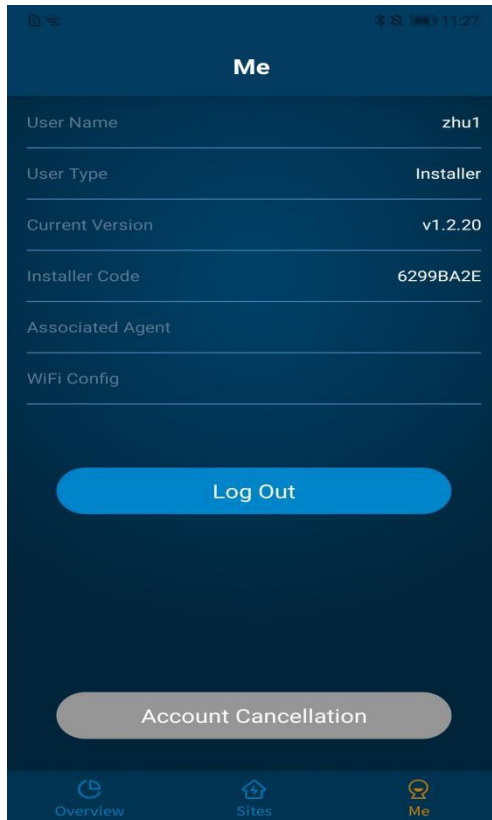


----End

3.11 Account cancellation

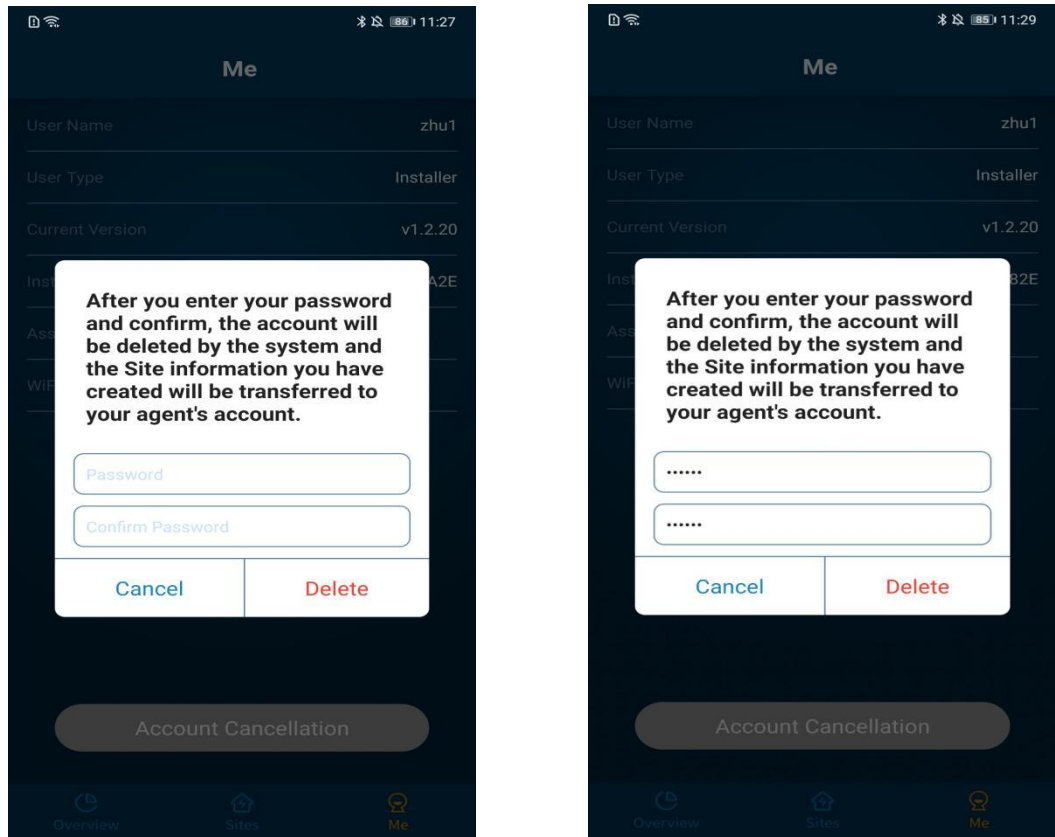
Step 1 Select My in the navigation bar below to enter the Personal Center page.

Figure12-1



Step 2 Click "Account Cancel", pop up the "Account Cancel" pop-up window, and correctly enter "password, confirm Password" in the pop-up window.

Figure12-2



Step 3 Click "Delete" to prompt success, and the page jumps to the login interface.

Figure12-3

