Smart Meter Configuration Manual

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1. Introduction

This manual describes the installation and configuration of smart meters and smart meter readers, as well as their connection to micro storage systems.

Note: The images used in this ducoment are for illustration purposes and may differ from your actual view based on the version.

2. Smart Meter Readers

2.1 SOLARMAN PV

Product Description

The P1-2W is a type of P1 meter reader. This device can receive various smart consumption data from the smart meter and transmit the data to a remote software platform wirelessly via WiFi.



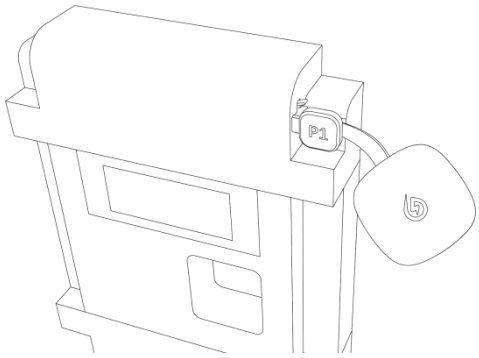
Application Installation

Please scan the QR code below to download the "SOLARMAN Smart" application.

Please ensure that the area where the P1 reader is used is covered by a stable WiFi network and you can access the WiFi. Make sure your phone's Bluetooth and GPS location are turned on.

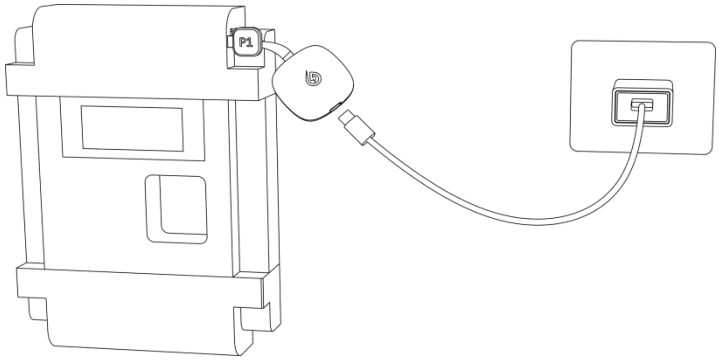
Device Installation

Please insert the plug of the P1 meter reader into the P1 port of the P1 smart meter.



If the P1 electricity meter protocol is a version below DSMR5.0, an external power adapter with 5V voltage and 1A current is required.

Note: Please insert the P1 meter reader into the P1 electricity meter first, and then connect the power adapter.



APP configuration

Please open the application on your smartphone and complete registration and login.

Device Network Configuration

Create a home. On the home page, select "Add Device", then add the device by scanning the QR code on the product itself or manually entering the device's SN (Serial Number).



Enter the WiFi name and password, then tap Confirm.



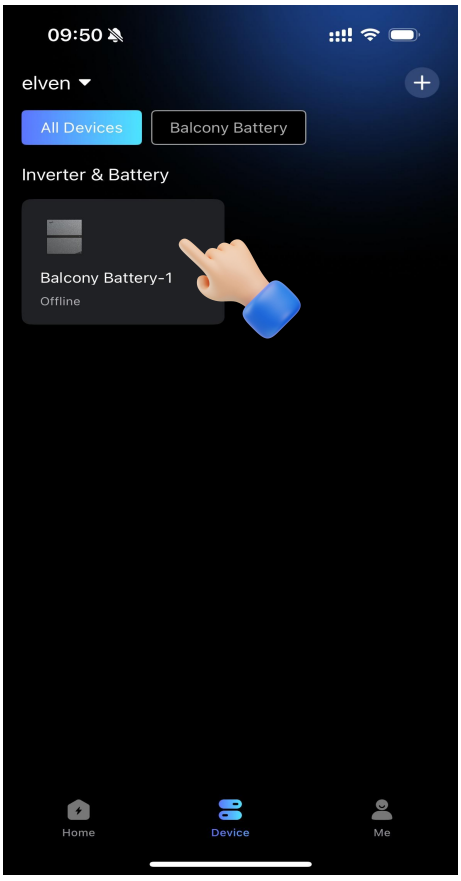
For detailed Instructions, please scan the QR code below to view the "SOLARMAN Smart User Manual" and the "SOLARMAN Smart App Network Configuration Process".

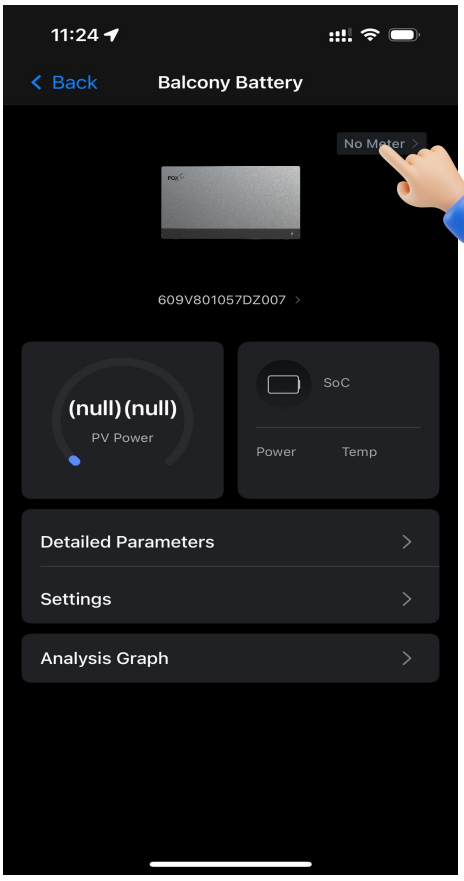
Network Configuration Process

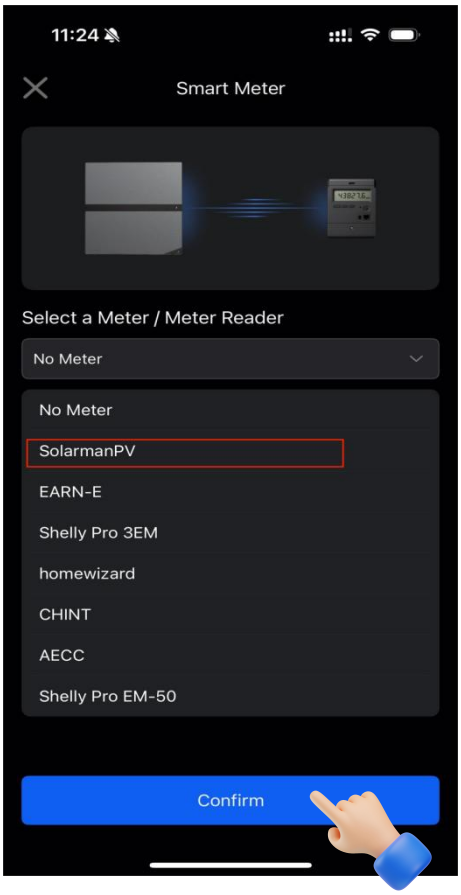
User Manual

Connect the Meter to the Micro Storage System

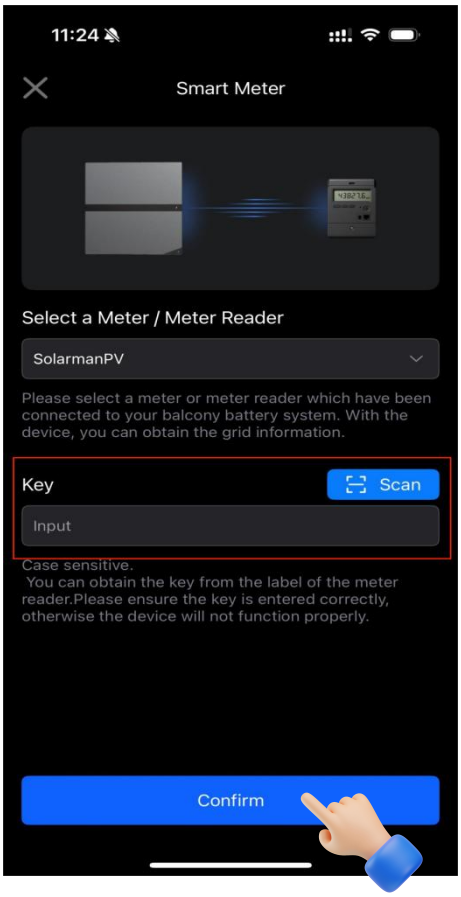
Please open the App of the micro storage system.Then select the meter.



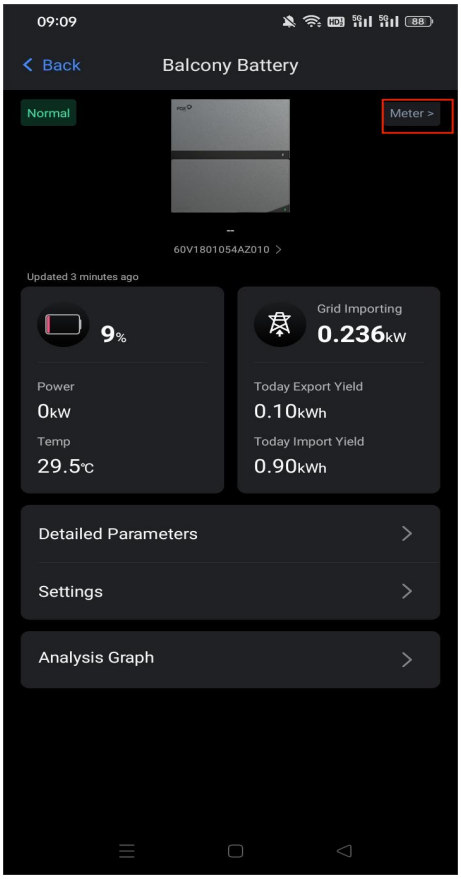




Scan the QR code of meter product itself or manually enter the device SN number.



The "Meter" here is displayed in white font, indicating that the meter has been successfully configured with the Micro Storage System.



2.2 Homewizard

Product Description

The Homewizard is a type of P1 meter reader. This device can receive various smart consumption data from the smart meter and transmit the data to a remote software platform wirelessly via WiFi.



Device Installation

Please insert the plug of the P1 meter reader into the P1 port of the P1 smart meter.



Device Activation

a. If the P1 smart meter reader is powered by a smart meter, it will start flashing white now.

b. Press and hold the button on the same starts flashing blue. The pairing mode is now activated.



Download the Meter App

Search for "HomeWizard Energy" in the Apple App Store or Google Play Store, then download the appropriate app for your device.

HomeWizard Energy

For detailed Instructions, please click: https://www.homewizard.com

APP configuration

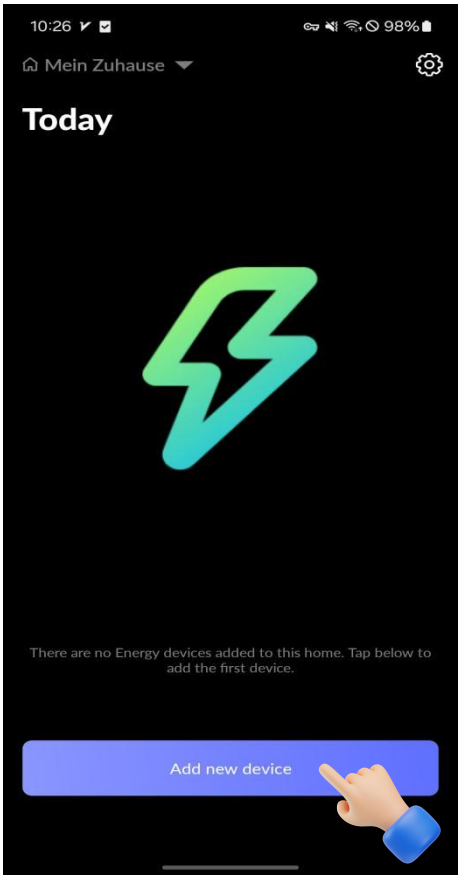
Please follow the APP steps to complete account registration and network configuration.

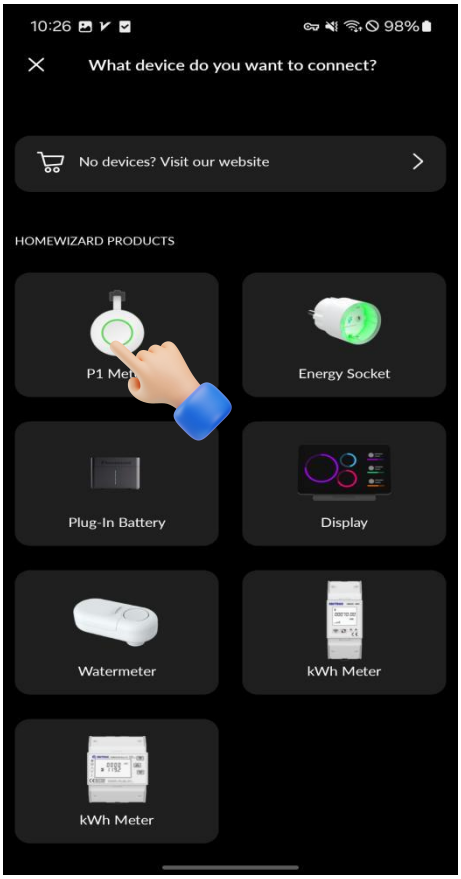
When you open the meter APP for the first time, tap the "Create New Account" button at the bottom of the page. Follow the instructions to create an account; once completed, log in to the APP using the email address and password you provided during registration.

Device Network Configuration

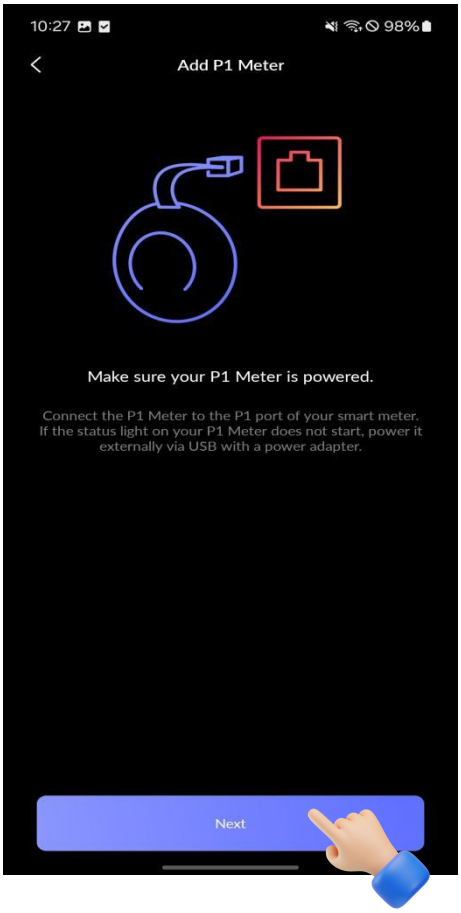
Ensure your P1 meter is still flashing blue (pairing mode).

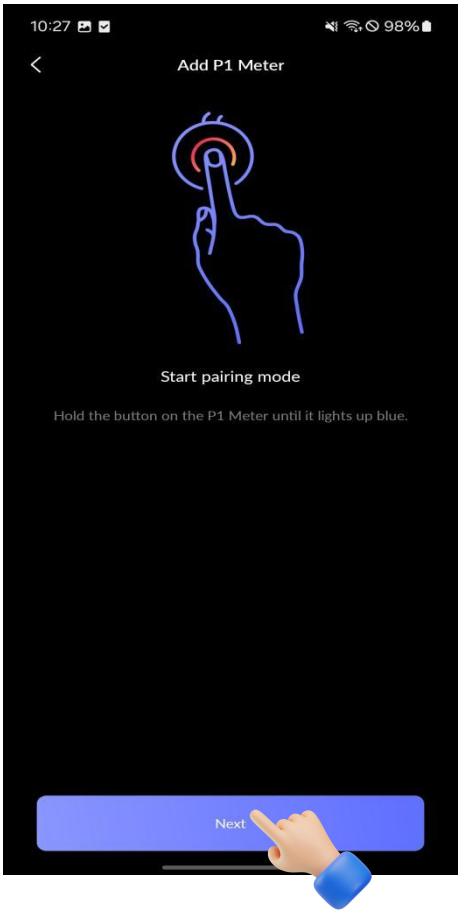
Device Addition



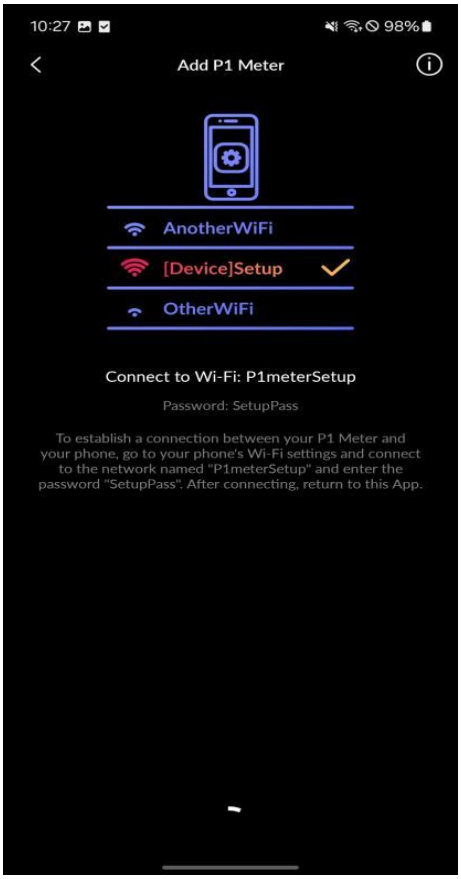


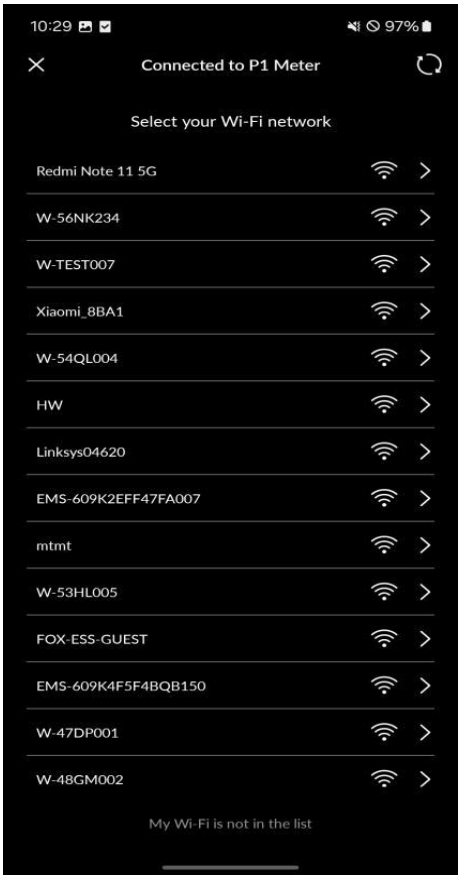
Status Confirmation

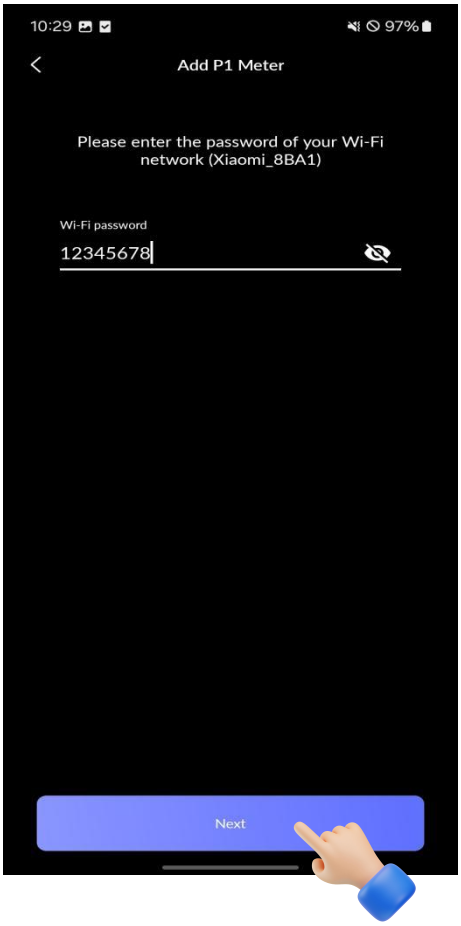


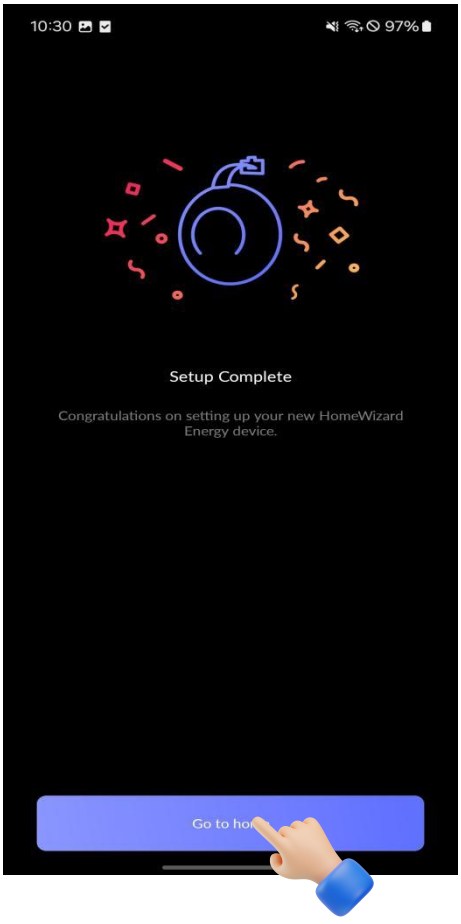


Network Configuration



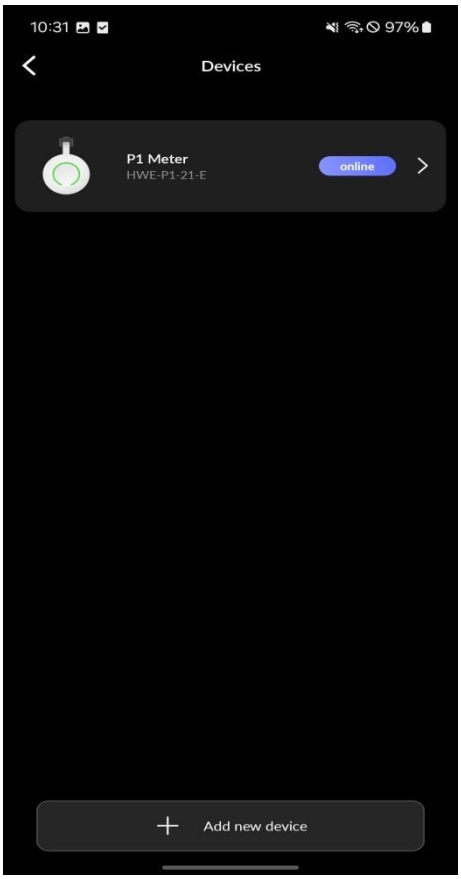




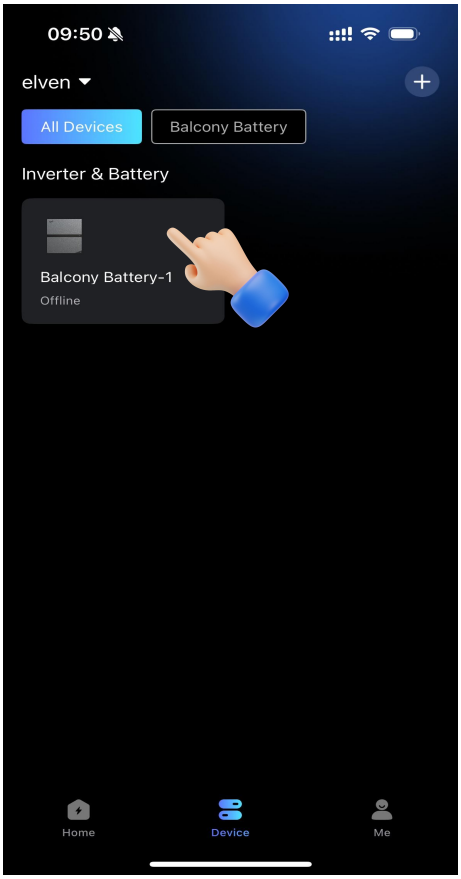


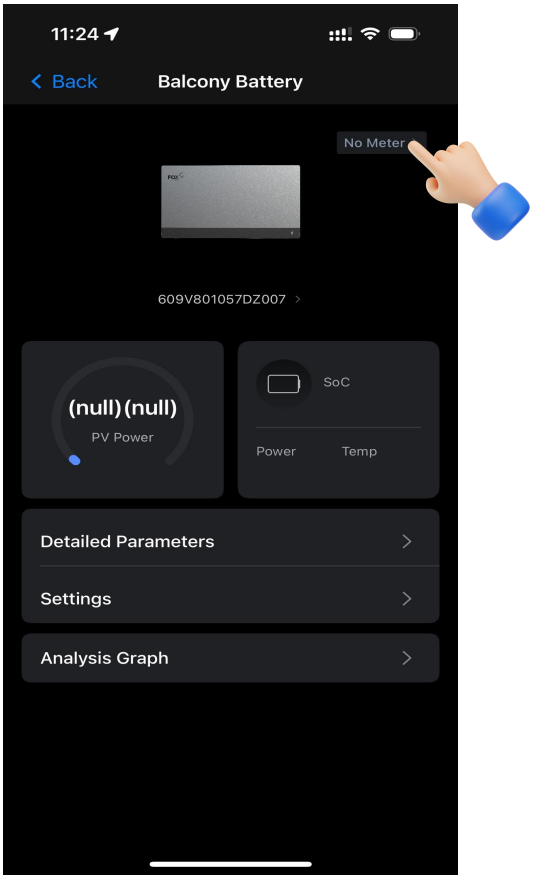
Connect the Meter to the Micro Storage System

When devices are interconnected, it is necessary to confirm that the meter reader is in an online state.

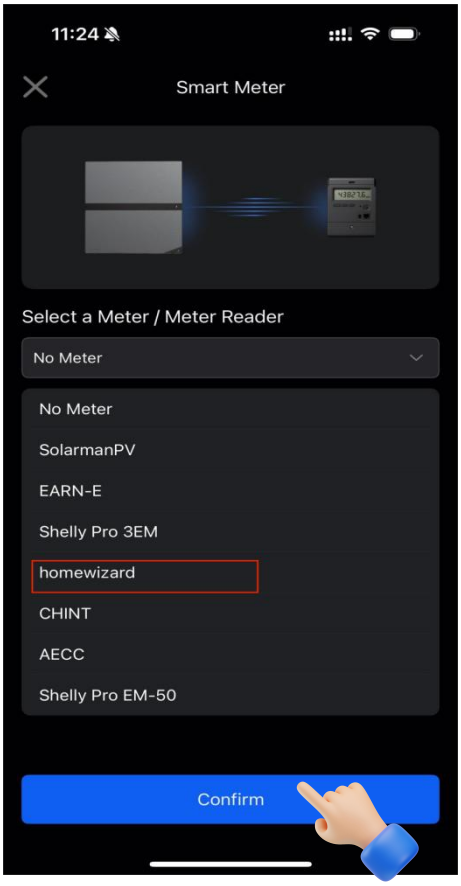


Please open the App of the micro storage system.Then select the meter.

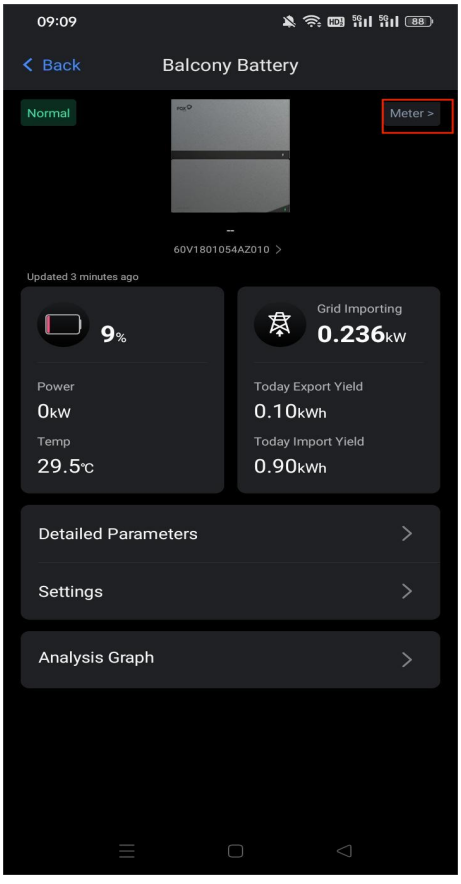




Select your smart meter model.



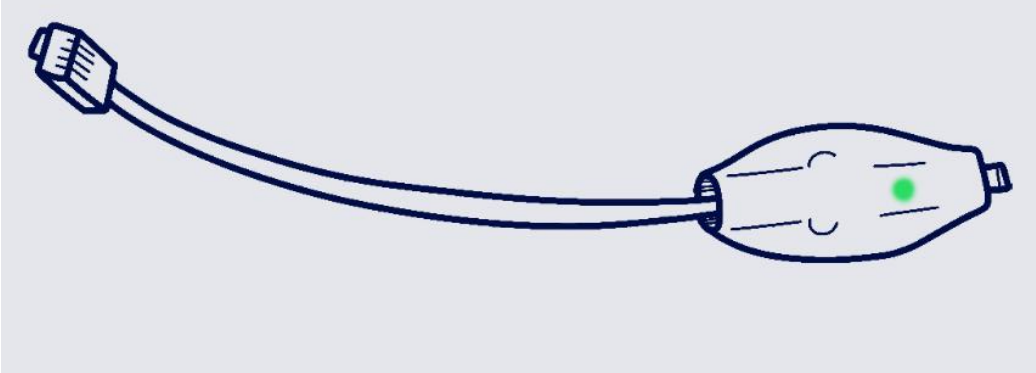
The "Meter" here is displayed in white font, indicating that the meter has been successfully configured with the Micro Storage System.



2.3 EARN-E

Product Description

The EARN-E is a type of P1 meter reader. This device can receive various smart consumption data from the electric meter and transmit the data to a remote software platform wirelessly via WiFi.



Device Installation

Please insert the plug of the P1 meter reader into the P1 port of the P1 smart meter.



Download the Meter App

Download the meter app on App Store and Google Play.

Download on the App Store

GET IT ON Google Play

APP configuration

Please follow the APP steps to complete account registration and network configuration.

When you open the meter APP for the first time, tap the "Create New Account" button at the bottom of the page. Follow the instructions to create an account; once completed, log in to the APP using the email address and password you provided during registration.

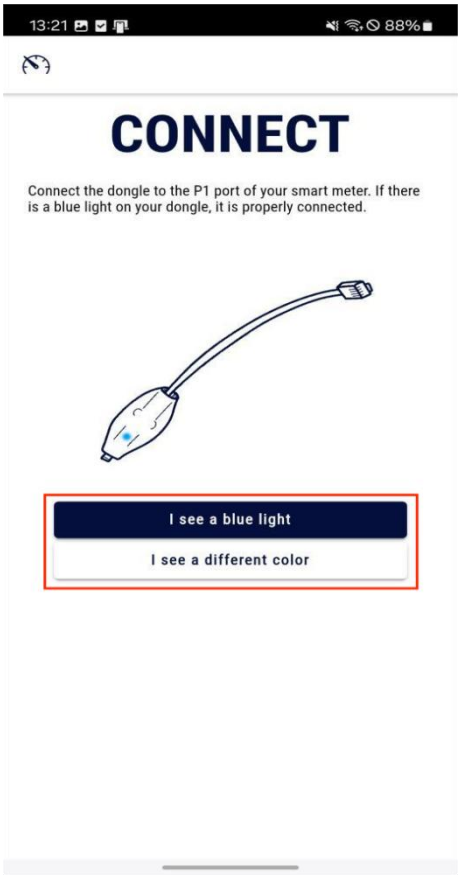
APP configuration

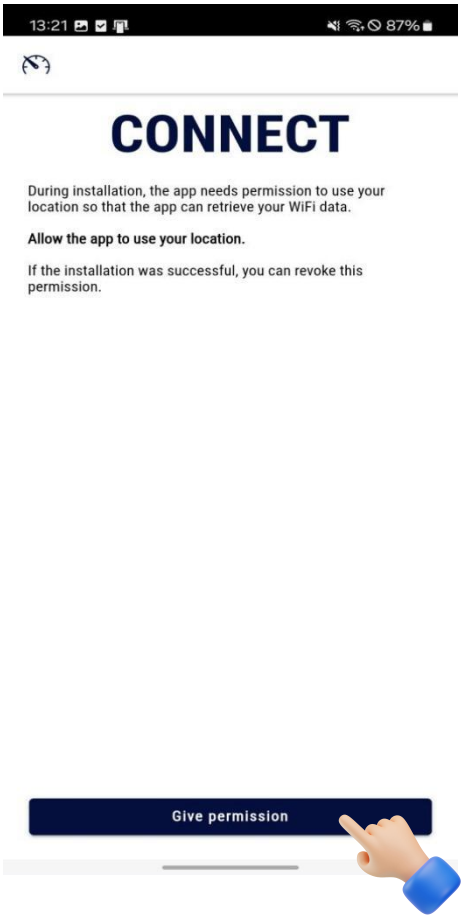
Open the app and scan the QR code enclosed in the package.





Confirm the status of the smart meter.



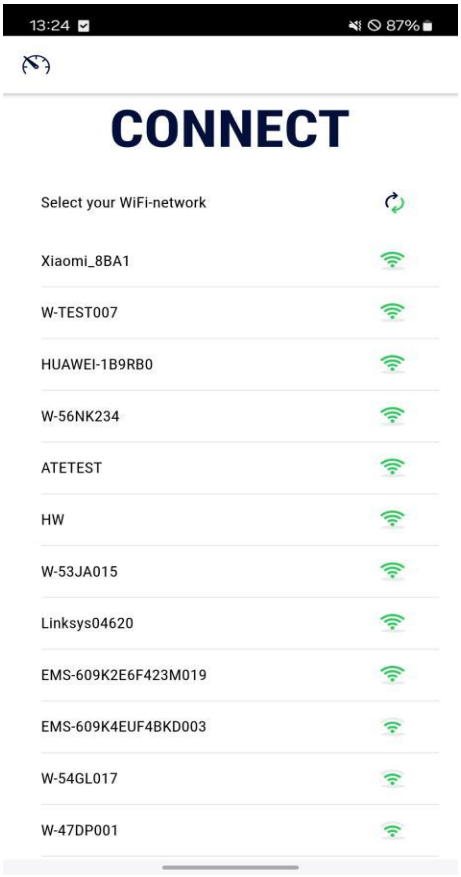


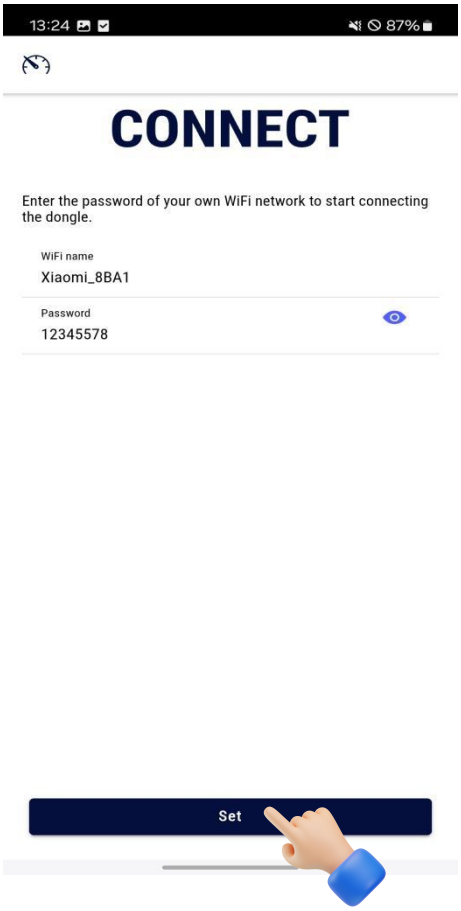
Scan the product QR code to connect the device.



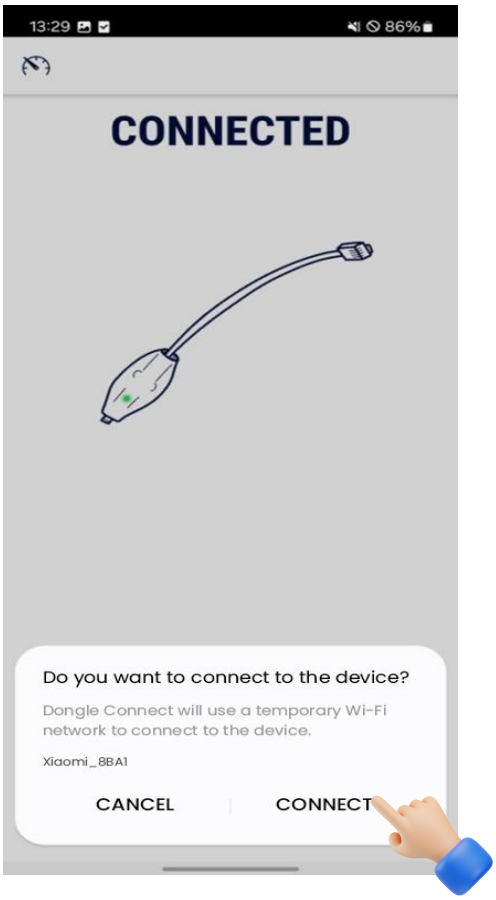


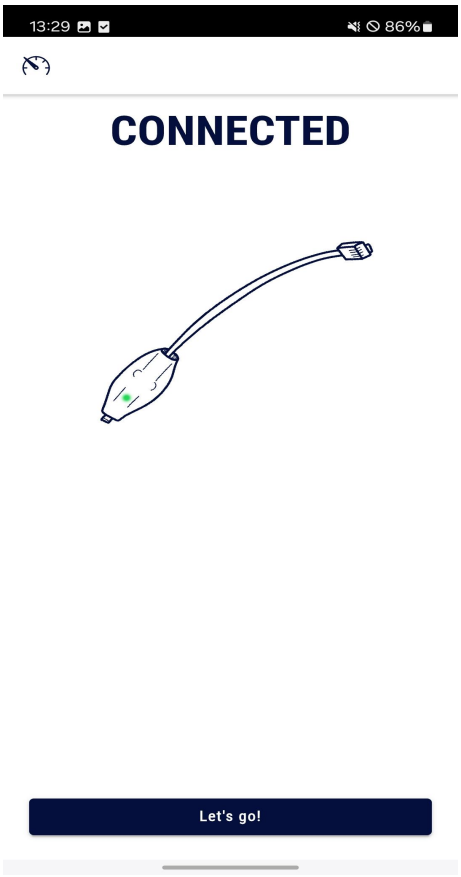
Select your network and connect.





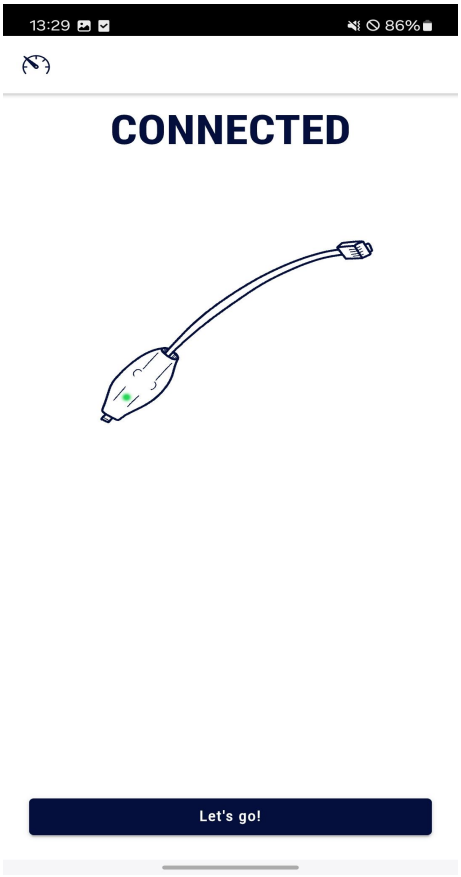
Device connection



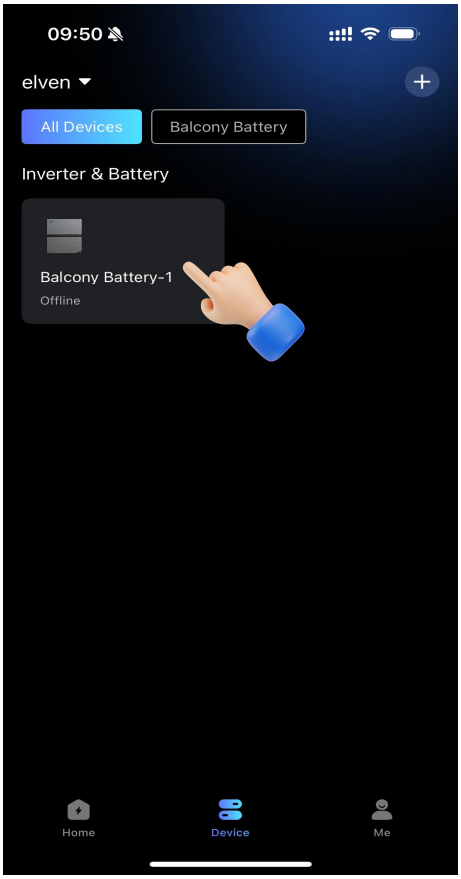


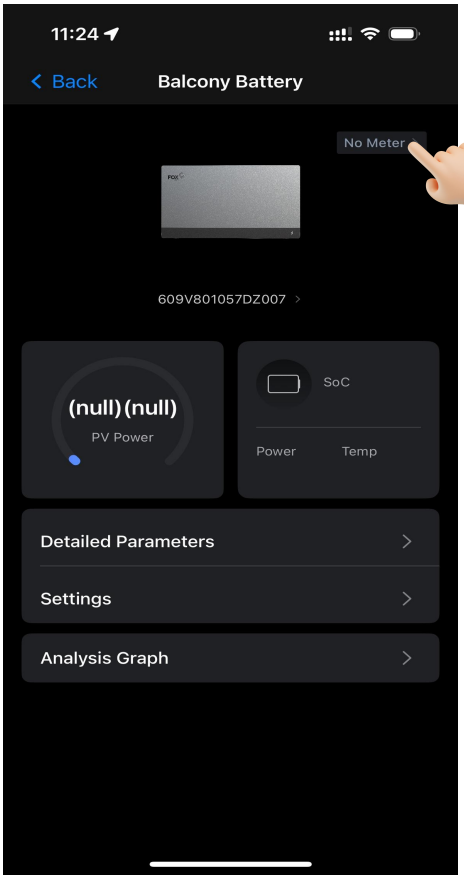
Connect the Meter to the Micro Storage System

Before configuring the smart smart meter, you need to confirm that the meter reader is in an online state (indicated by red/ green lights flashing alternately).

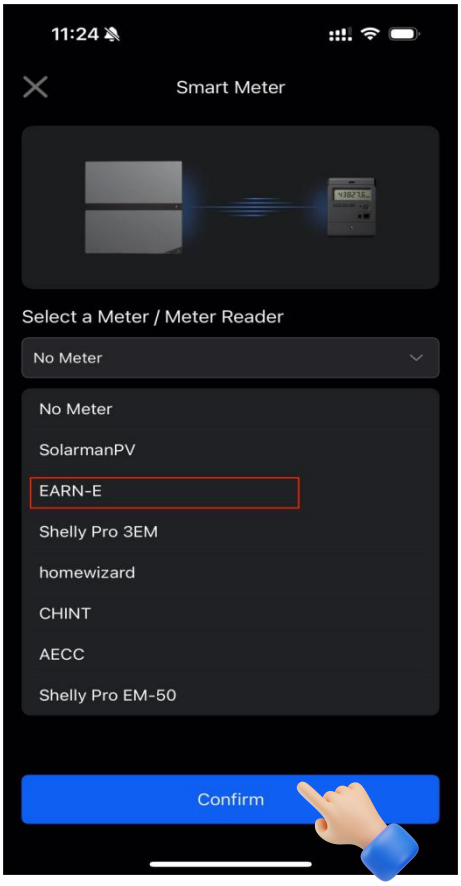


Please open the App of the micro storage system.Then select the meter.

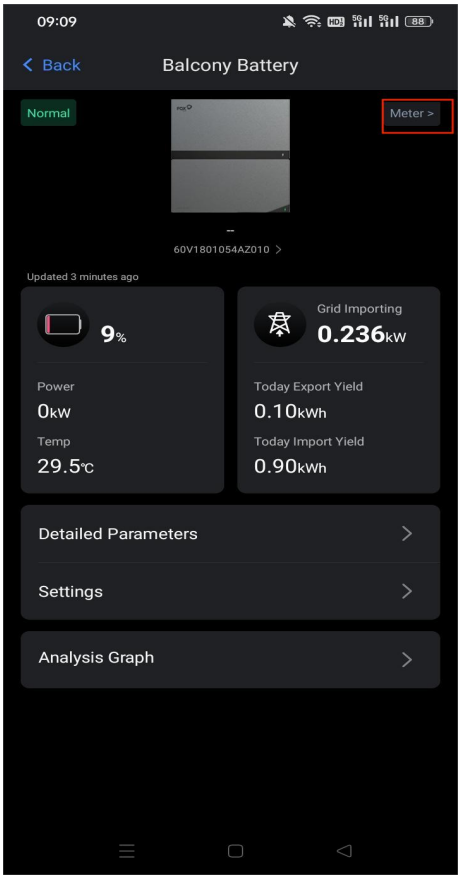




Select your smart meter model.



The "Meter" here is displayed in white font, indicating that the meter has been successfully configured with the Micro Storage System.



2.4 AECC

Product Description

AECC is an infrared meter reader. The smart smart meter - smart meter reading head is an adsorption-mounted product developed to expand WiFi/Lora wireless network data communication functions for analog infrared smart meters without network connectivity.



Device Installation

a. Power on the device and ensure it functions properly.

b. Take out the WiFi data collector, plug it into the device, and allow the device to supply power to it.

c. Confirm that the data collector has been successfully powered on.



Download the Meter App

Please scan the QR code below to download the "AEC CLOUD APP" application.

APP configuration

Please follow the APP steps to complete account registration and network configuration.

When you open the meter APP for the first time, tap the "Create New Account" button at the bottom of the page. Follow the instructions to create an account; once completed, log in to the APP using the email address and password you provided during registration.

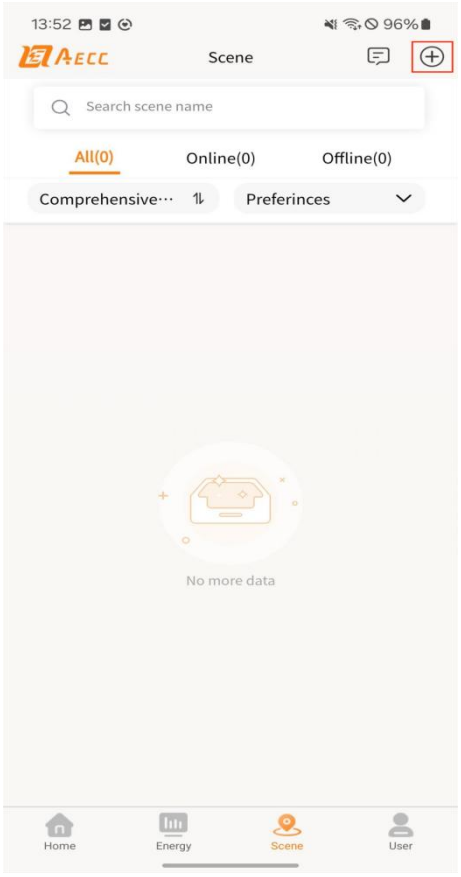
Add a Power Station

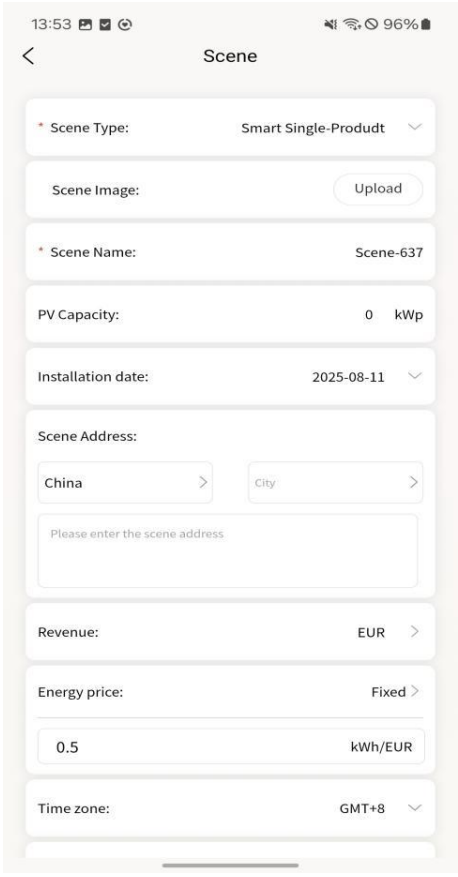
a. Open the APP, tap "Power Station" to enter the page for adding a power station.

b. Tap the "Add" button to access the page for filling in power station information.

c. Fill in the power station information as prompted.

d. Tap "Save"—the power station will be added successfully.





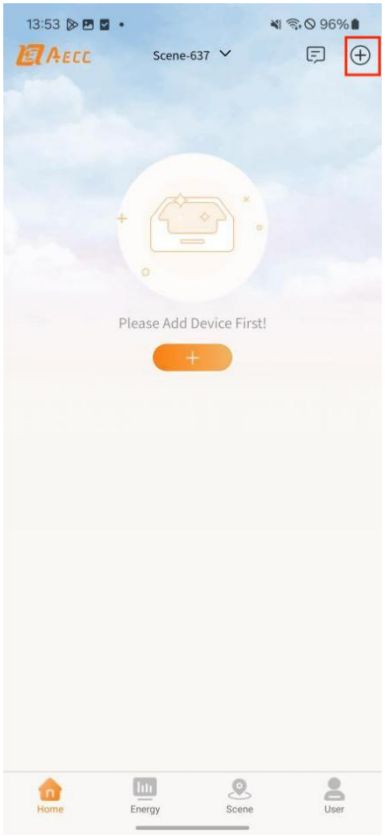
Add a Data Collector

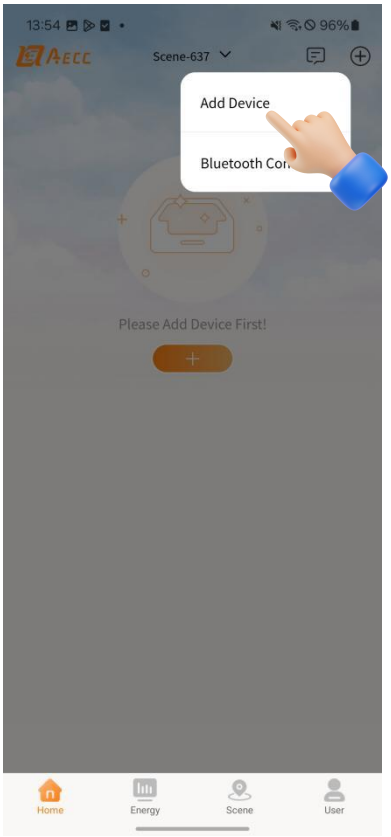
a. Ensure that the location permission and Bluetooth permission for your mobile phone and the AEC Cloud APP are enabled!

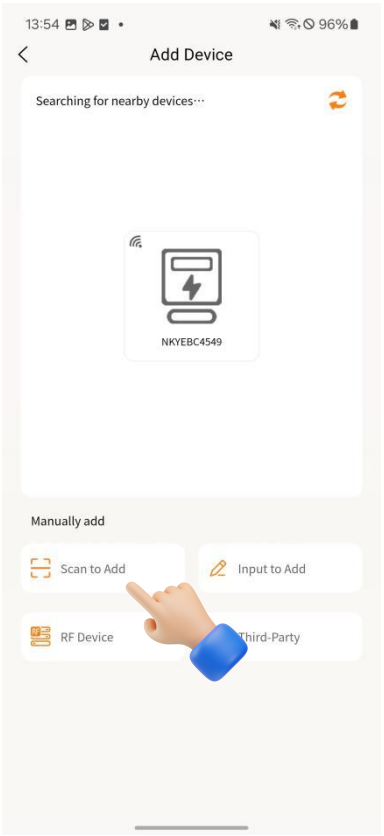
b. Tap the scan button in the top-right corner of the "Homepage", then tap "Add Device" to enter the data collector addition page.

c. Add the data collector by scanning the collector's QR code, manually entering the collector's serial number, or tapping the device icon in the list.

d. After receiving the prompt that Bluetooth connection is successful, you can proceed to the next step.





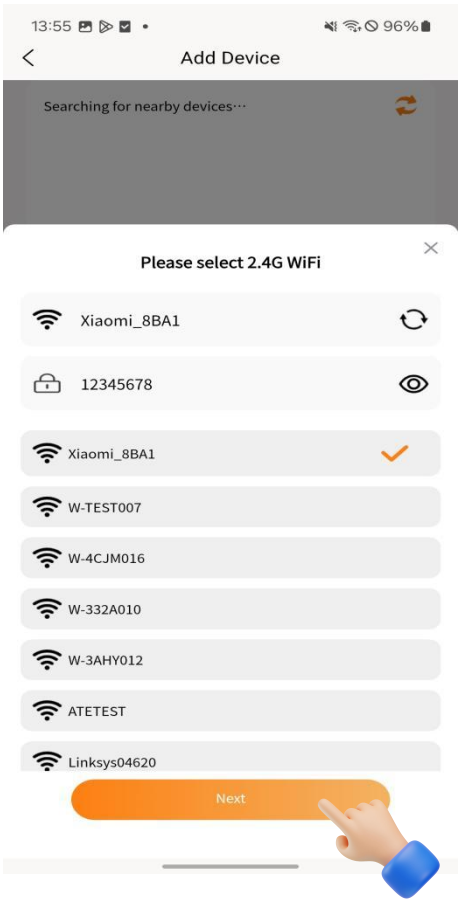


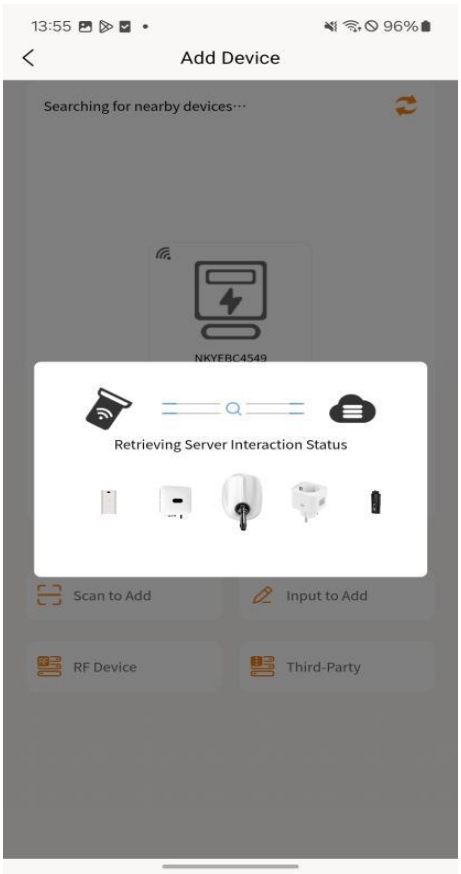
Network Configuration

a. Select or enter the WiFi name and password to connect to the network.

b. Tap "Next" to start network configuration. Please wait for a few seconds, and the configuration will be successful.

Note: If network configuration fails, please check whether the mobile phone’s location permission and Bluetooth permission are enabled. If they are confirmed to be enabled, follow the prompts again to perform the operation.



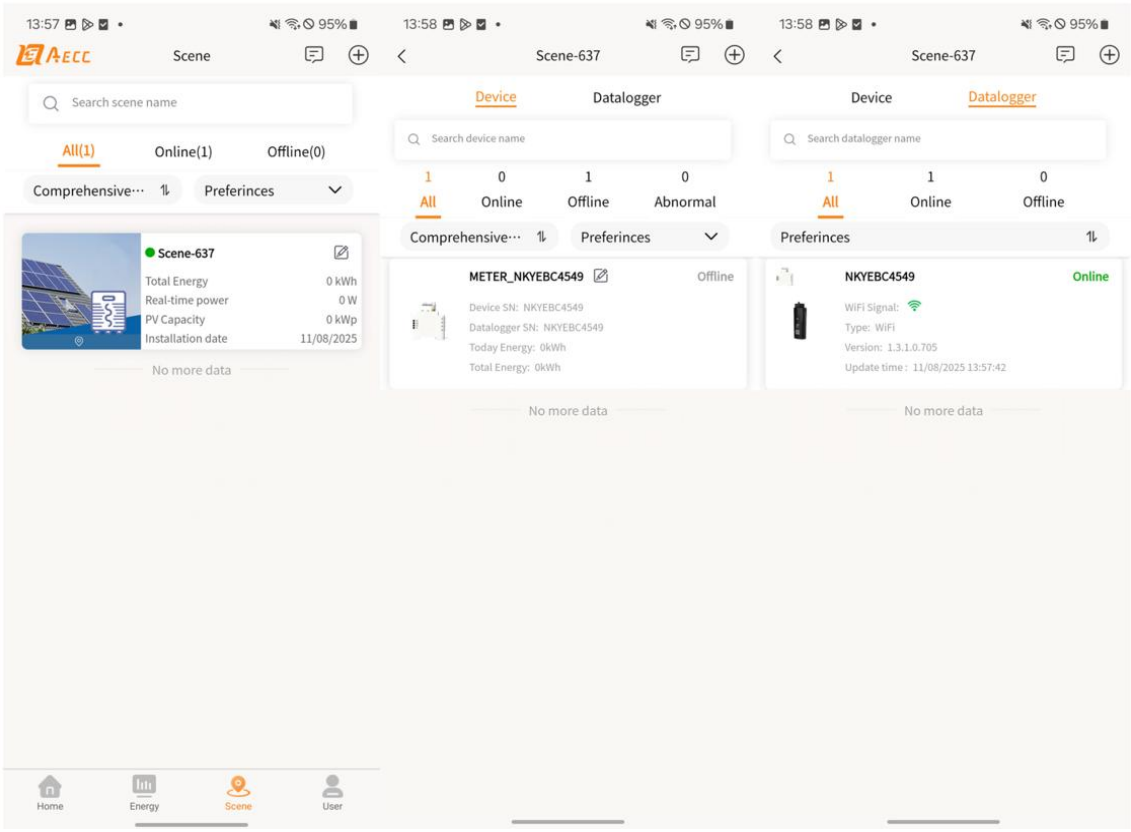


Check the Data Collector Status:

a. Return to the homepage, tap "Power Station" to enter the power station display page, and select the corresponding power station to access the device viewing page.

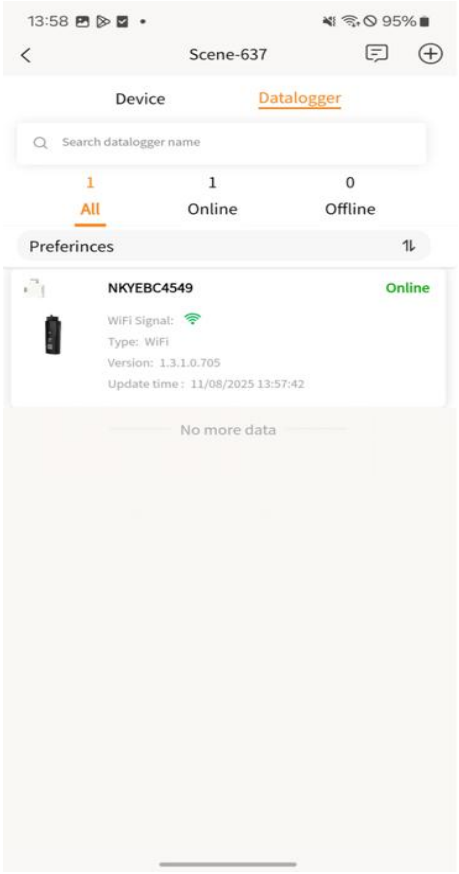
b. Tap "Data Collector" to enter the status page, then pull down to refresh: if "Online" in green is displayed in the top-right corner, the data collector is operating normally; if "Offline" in gray is displayed, the data collector is not operating.

c. Tap the "Devices" page again, wait for 2 minutes, then pull down to refresh—the list of power station devices will be displayed.

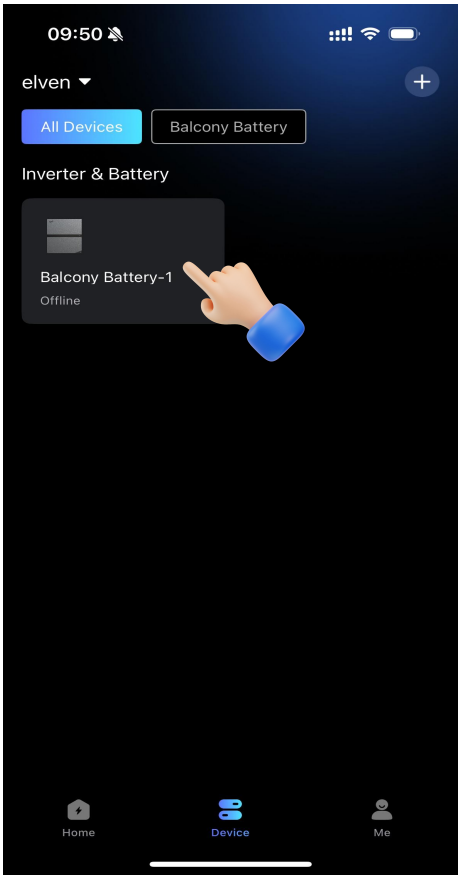


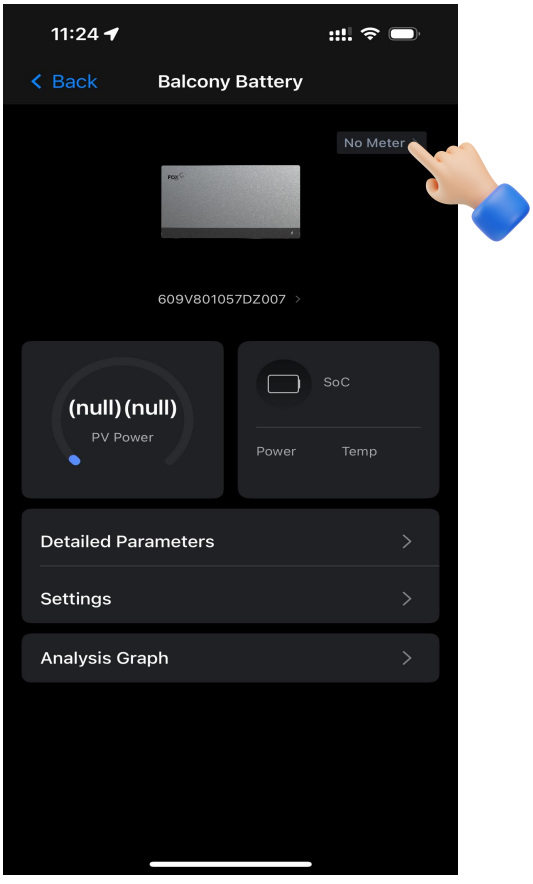
Connect the Meter to the Micro Storage System

Before configuring the smart smart meter, you need to confirm that the meter reader is in an online state.

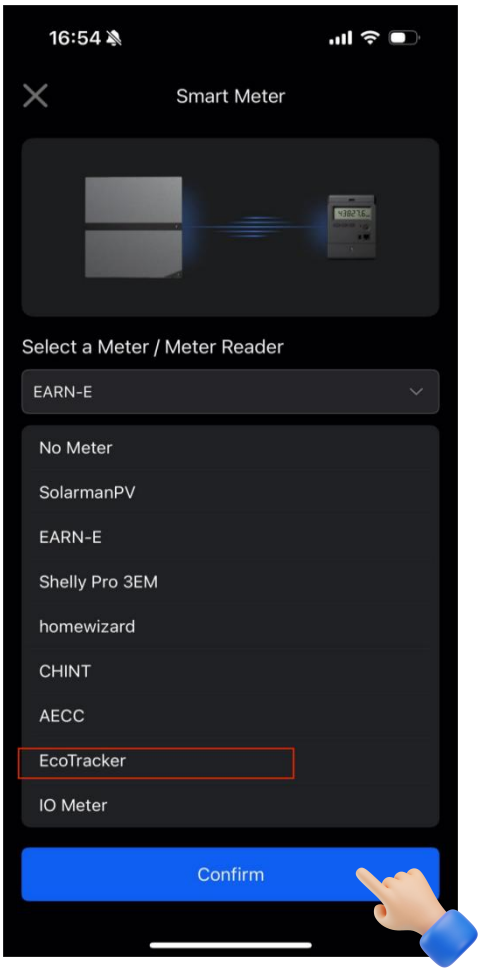


Please open the App of the micro storage system.Then select the meter.

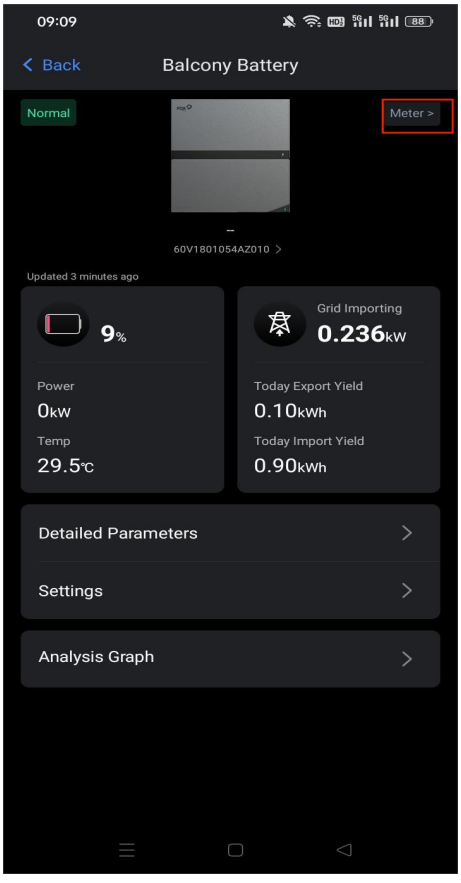




Select your smart meter model.



The "Meter" here is displayed in white font, indicating that the meter has been successfully configured with the Micro Storage System.



3.Smart Meters

3.1Shelly Pro 3EM

Product Description

Shelly Pro 3EM-3CT63 (the Device) is a DIN rail mountable single or three-phase energy meter. It reports accumulated energy as well as instantaneous voltage, current, active, and apparent power per phase/channel in real time.



Meter Installation

Please install according to the installation manual of the meter. Before installing the meter, please carefully read the installation guide provided with the meter or download the installation guide by visiting Shelly's official website.

https://shelly.link/pro_3EM-3CT63

Download the Meter App

Download the meter app on App Store and Google Play.

GET IT ON Google Play

Download on the App Store

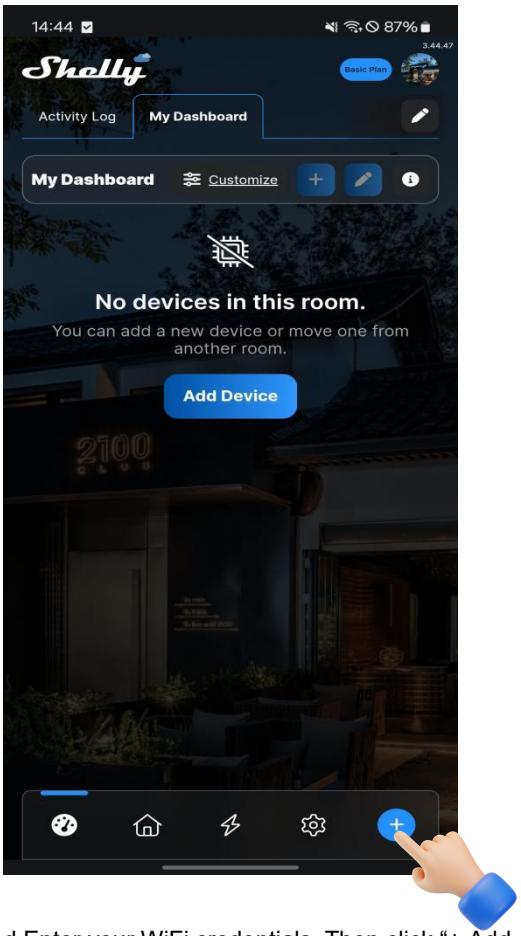
APP configuration

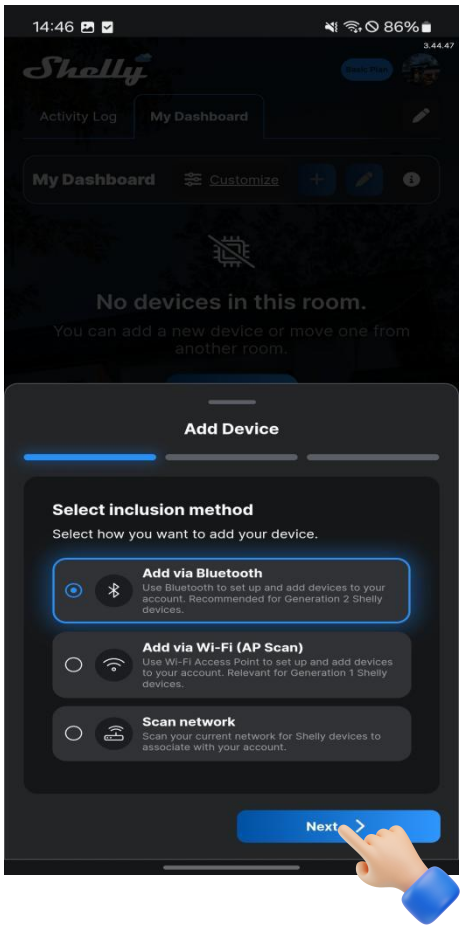
Please follow the APP step to complete account registration and network configuration.

a.When you open the meter app for the first time, click the “Create a new account” button at the bottom of the page. Please follow the instructions to create an account, but once everything is done, please log in to the app using the email and password you registered with.

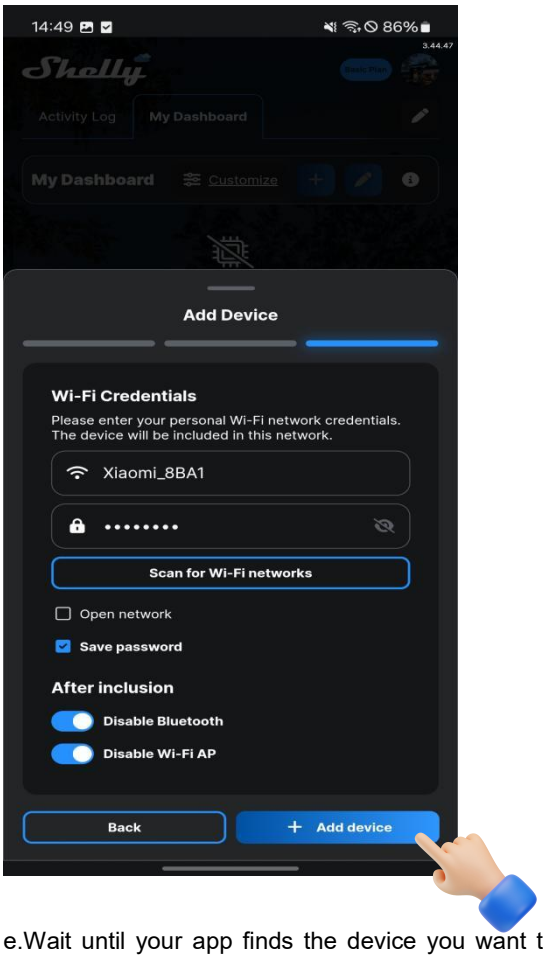
b.Please turn on Bluetooth and WiFi on your phone.

c.Add smart meter.



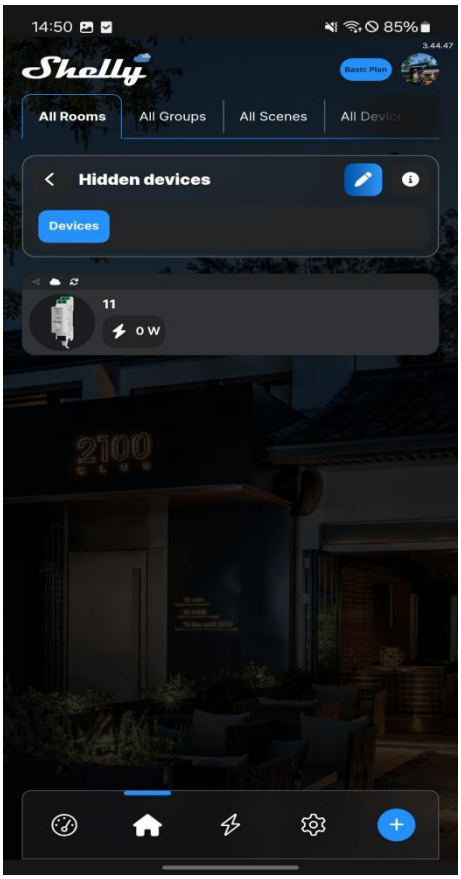


d.Enter your WiFi credentials. Then click “+ Add device”.



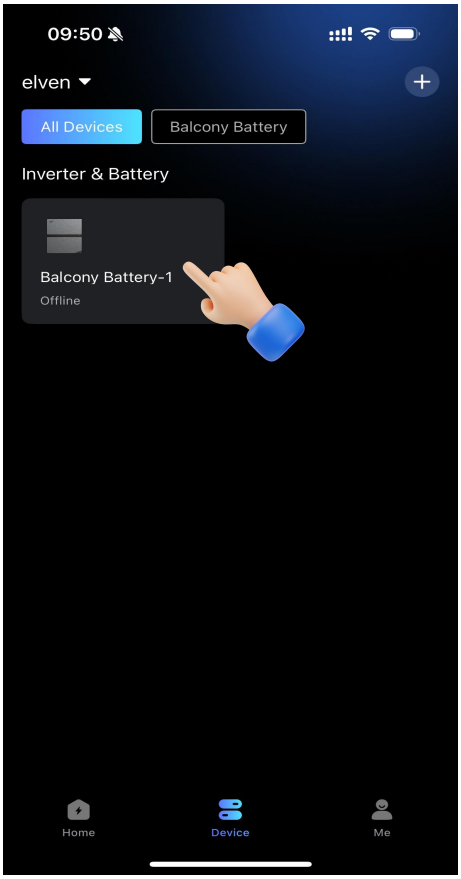
e.Wait until your app finds the device you want to add. Be aware that it might take a few minutes. Once the process is completed, you will receive a success message.

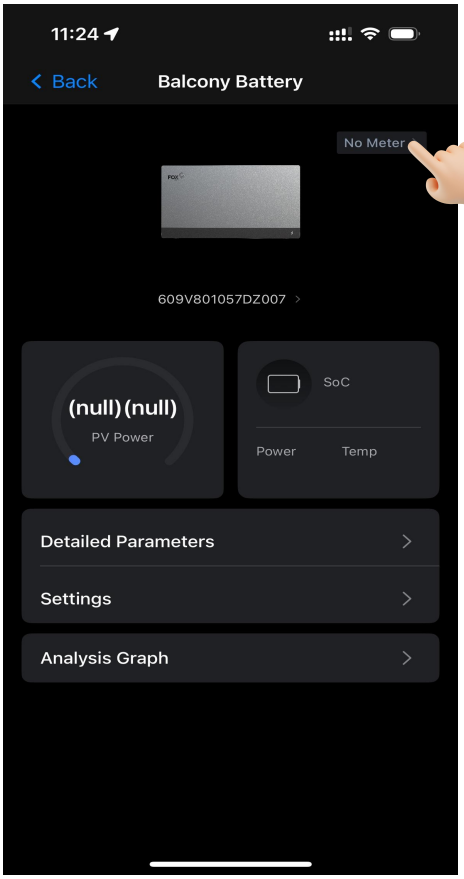
f.After all configurations are completed, please confirm whether the app is connected to the meter.



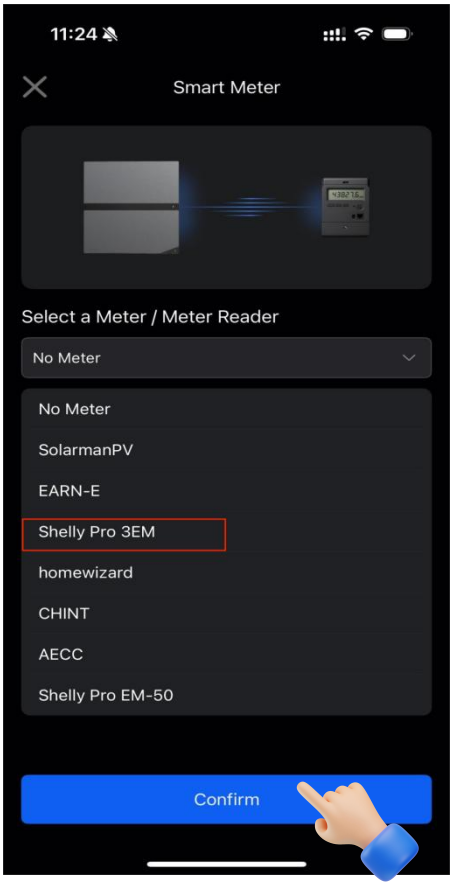
Connect the Meter to the Micro Storage System

Please open the App of the micro storage system.Then select the meter.

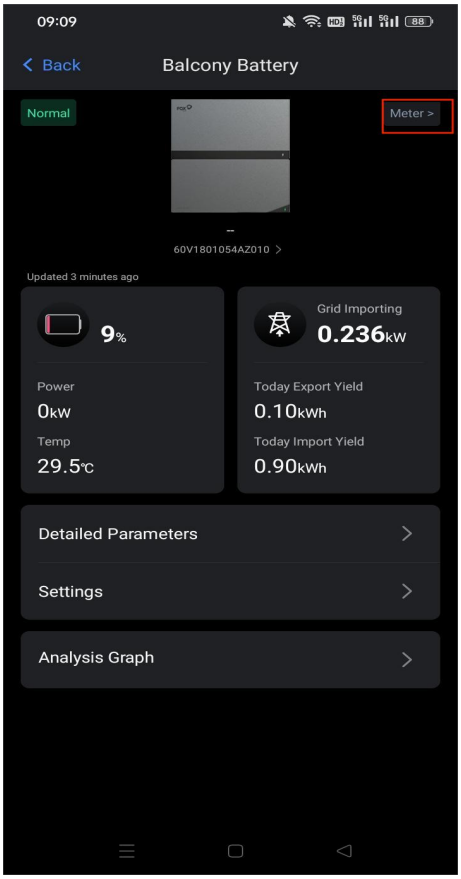




Select your smart meter model.



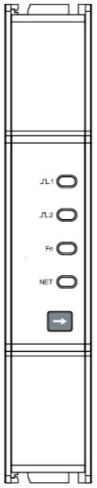
The "Meter" here is displayed in white font, indicating that the meter has been successfully configured with the Micro Storage System.



3.2 CHINT

Product Description

CHINT (the Device) is a DIN rail mountable single or three-phase energy meter. It reports accumulated energy as well as instantaneous voltage, current, active, and apparent power per phase/channel in real time.



Meter Installation

Please install according to the installation manual of the meter. Before installing the meter, please carefully read the installation guide provided with the meter or download the installation guide by visiting chint official website.
https://www.chint.com

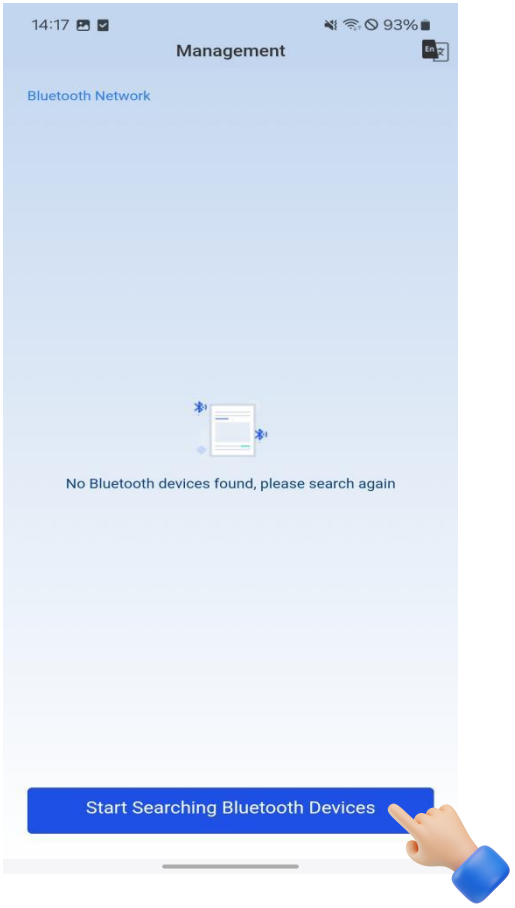
Download the Meter App

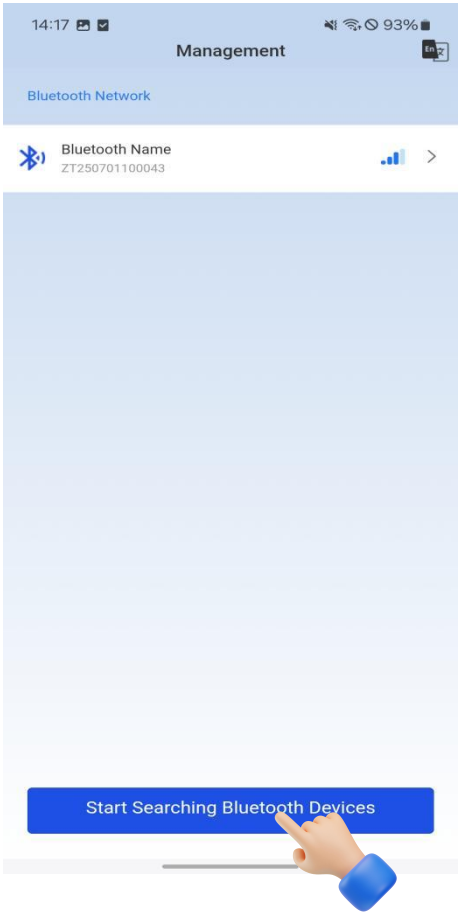
Search for "Taizonet" in the Apple App Store or Google Play Store, then download the appropriate app for your device.

Smart Meter configuration

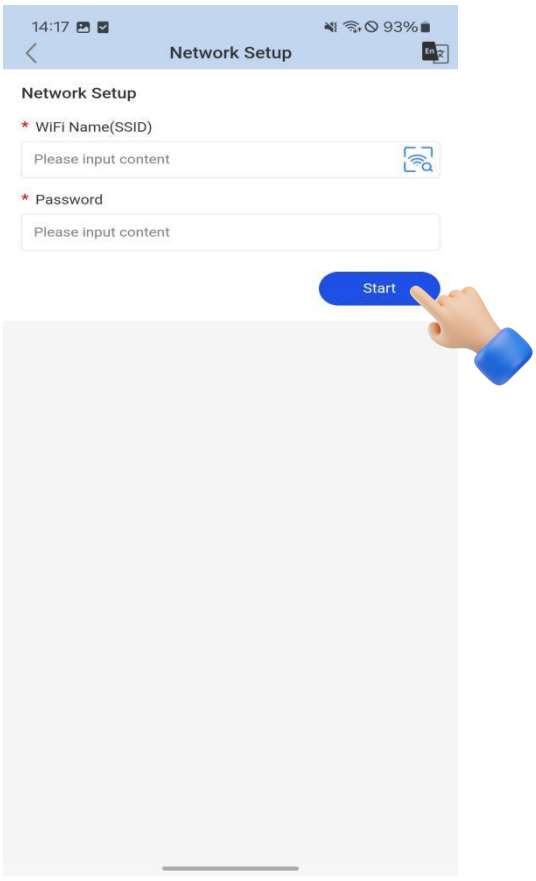
Mobile Phone Network Configuration Steps:

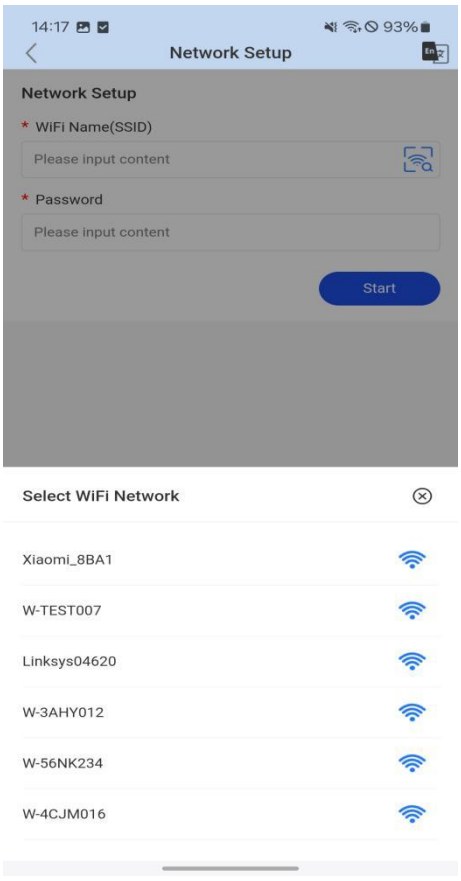
a.Open the Taizonet APP.





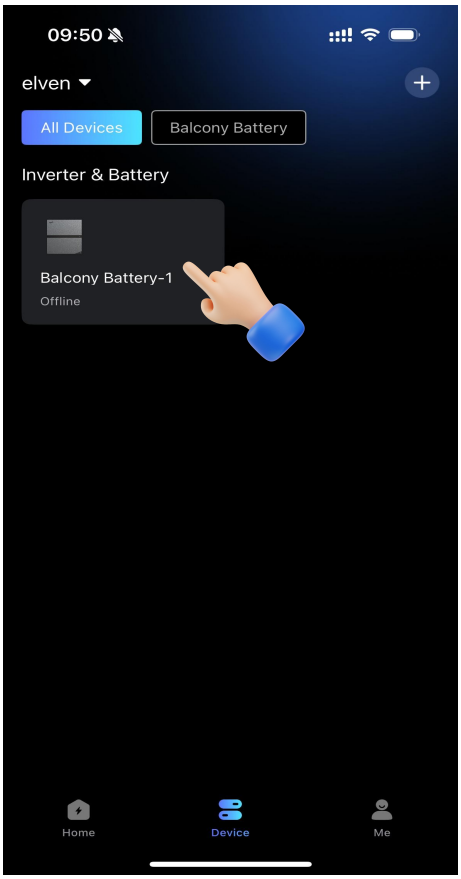
b.Tap Start Searching for Bluetooth Devices → Select Bluetooth Name →WiFi Name/Password → Start.

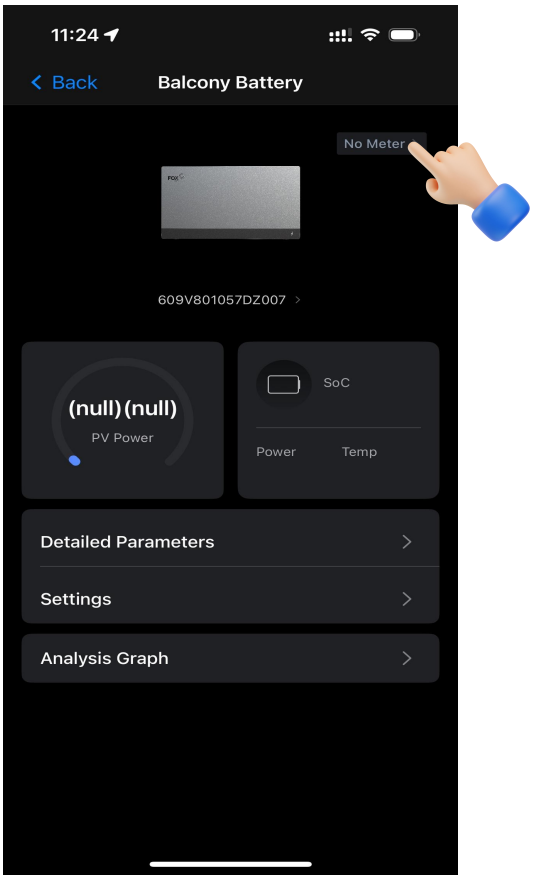




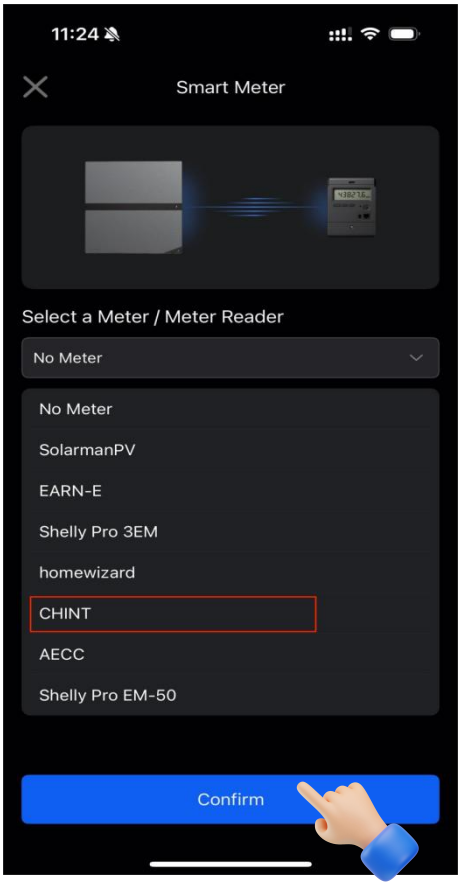
Connect the Meter to the Micro Storage System

Please open the App of the micro storage system.Then select the meter.





Select your smart meter model.



The "Meter" here is displayed in white font, indicating that the meter has been successfully configured with the Micro Storage System.

