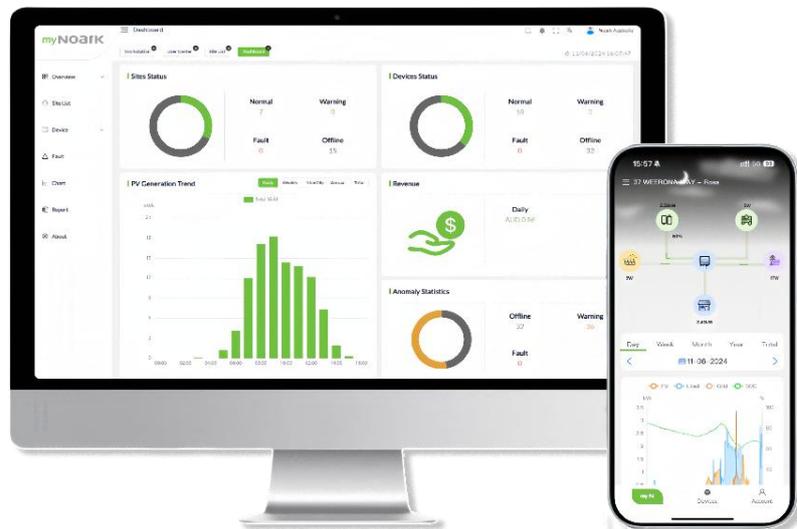


User Manual

Noark inverter management website



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Version Update



Version	Description	Author	Date
1.0	Initial version	myNoark	1/1/2024
2.0	Revisions	myNoark	7/1/2024

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1 Legal Notice

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2 About This Manual

Target Group

This manual is intended for retailers/installers, owners, and O&M personnel of the residential PV system, EV charger, energy storage system and commercial system.

This manual is intended for:

- Retailer/Installer
- Owners
- O&M personnel
- After-sales service team

System Requirements

Mobile OS	Version
IOS	IOS 11.0 or later
Android	Android 5.0 or later

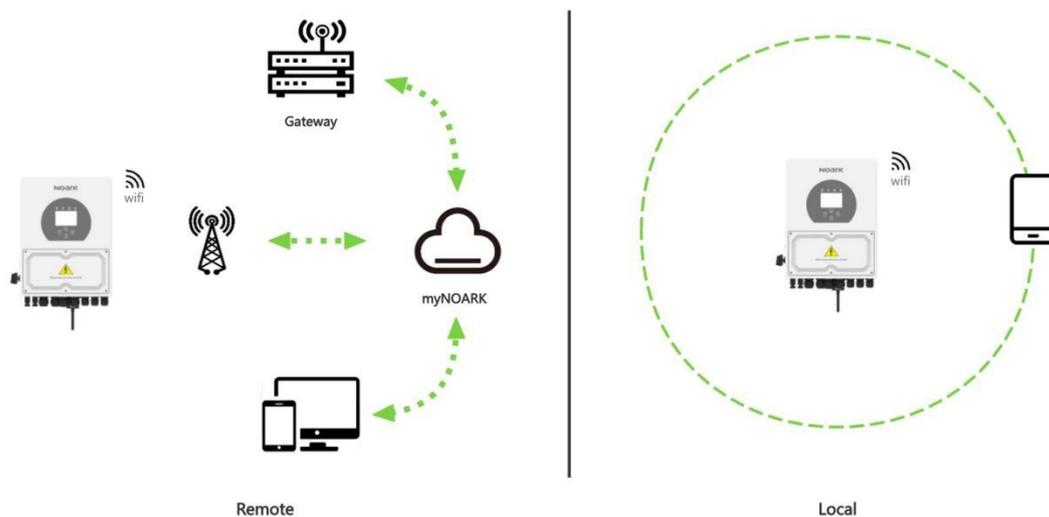
- The phone can connect to WLAN or 2G/3G/4G/5G network;
- The phone has enough storage space to install the App;
- The phone has sufficient battery power.

3 Introduction

3.1 Overview

Welcome to the myNOARK Energy Management IoT platform. Developed by Noark Australia Pty Ltd, myNOARK is specifically designed to assist users in efficiently monitoring and managing renewable energy devices. Through web and mobile applications, users can access and manage equipment such as photovoltaic systems, circuit breakers, and EV charging stations anytime, anywhere.

3.2 Connection Method



Remote Mode:

Establish communication between the communication module and the home router or base station to enable data exchange between the inverter and the cloud server. Users can check the inverter data or send commands to control the inverter on the App.

Local Mode:

Establish communication between the mobile phone and the WiFi wireless communication module or the inverter's built-in Bluetooth module to enable mobile maintenance of the inverter. Users can check the information about and set parameters for the inverter.

4 Basic Operation

4.1 Install myNOARK app

This section introduces how to download and install the myNOARK App.

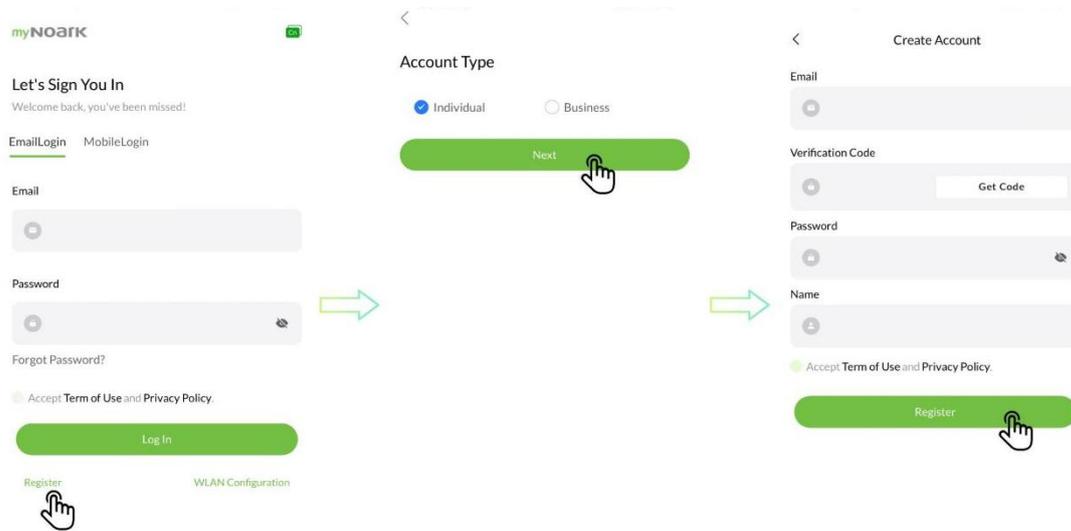
STEP1: Search for myNOARK in App Store, Google Play or other App stores, or scan the QR code below with a mobile phone and download the App by following the onscreen instructions.



STEP2: Tap the downloaded installation package and follow the onscreen instructions to complete the installation. The icon of myNOARK will then appear on the screen.



4.2 Create an Account



Step1: Tap Register.

Step2: Select a Account Type Individual or Business account according to the actual needs. Then, tap "Next" , The following are the definitions of roles:

Role	Description
Individual	Individual represents the owner of the device, who has the authority to create devices, view data, and manipulate them.
Business	Business means device agent, which can help customers create and manage devices and set device parameters.

Step3: Complete the required information. Information required for registration include **Mobile Phone, Email, Verification Code, Password, Name**, Business users also need to fill in the **ABN** number.

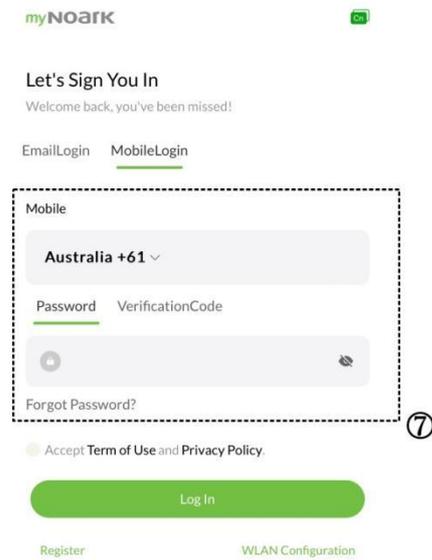
Step4: Tap **Register** to complete registration.

4.3 Login myNOARK app

Open the myNOARK App after installation is completed, and you will see the login screen, which is shown as follows.



Email



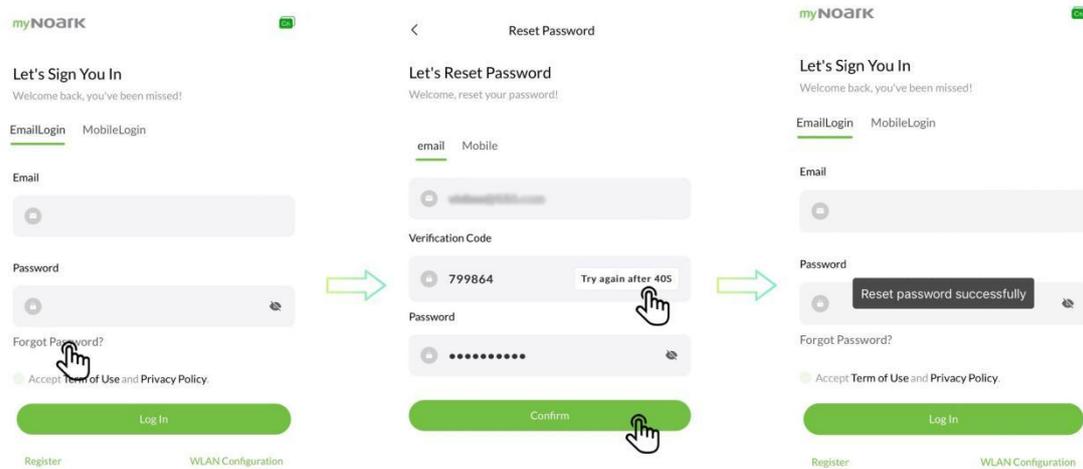
Mobile Phone

The following are the definitions of functions:

No.	Item	Description
①	EN/CN	Clicking the icon to switch the language of the myNOARK app.
②	Login Type	EmailLogin: Use email address and password to log in. MobileLogin: Use phone number with verification code or password to log in.
③	Email Login Inputbox	Enter your Email and Password , and tap Login to log in to the myNOARK App, The eye icon can be used to show/hide the password. By tapping Forgot Password , you can change your password. Please refer to "4.4 Reset Password" for details.
④	Term of Use/Privacy policy	Users must check this box to agree with the Terms of Use and Privacy Policy before logging in.
⑤	Register	To create a new account. Please refer to "4.2 Create an Account" for details.
⑥	WLAN Configuration	Connect the communication device to the home network by completing WLAN Configuration, which may then enable data exchange between the inverter and the cloud server.
⑦	Mobile Login Inputbox	Select the Country number before enter phone number, then enter your Mobile Phone Number and Password , or get Verification Code via SMS, and tap Login to log in to the myNOARK App, The eye icon can be used to show/hide the password.

4.4 Reset Password

This section introduces how to download and install the myNOARK App.



Step1: Tap Forgot Password.

Step2: Enter **Email/Mobile phone**, Confirm that your email is displayed correctly, then click **“Get Code”** button. A verification code will be sent to your entered **mobile number**. Input the received code into the **Verification Code** field, Input the new **password** into the password field.

Step3: After successfully resetting your password, you will be redirected back to the login page.

5 Create Site & Device

This section gives instructions on how to create a plant on the myNOARK App. User interfaces for creating a plant may differ slightly by the plant type, inverter type, or communication device. Please refer to the interfaces actually shown on the App.

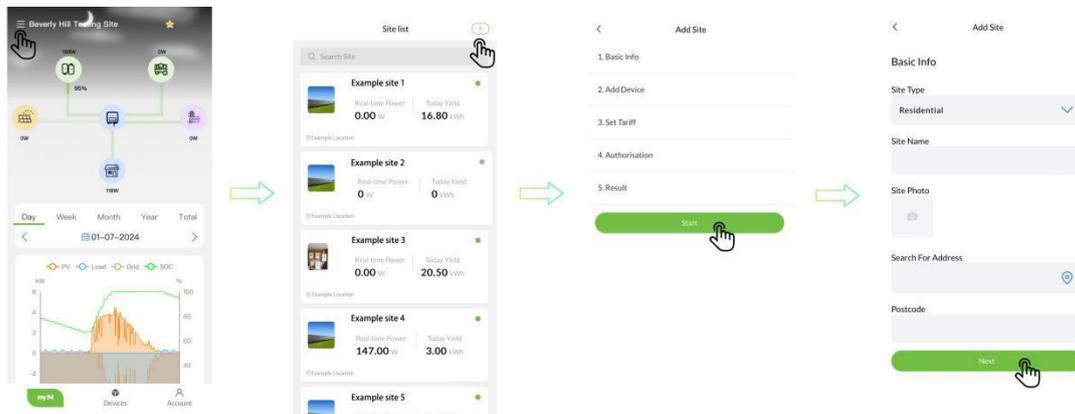
Requirements:

- The user has registered and has a myNOARK account, and the user role is business.
- The inverter or communication device is connected to the power supply and powered on.

Information:

Creating a power station requires the following two steps: "5.1 Complete power station information" and "5.2 Add devices".

5.1 Complete power station



Step1: Login to myNOARK app, on the myN screen, locate and tap on the icon in the top left corner to open the site menu.

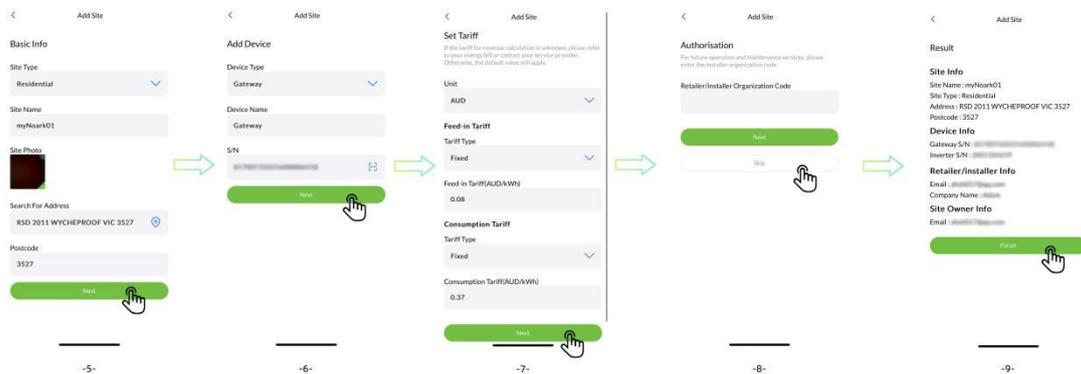
Step2: Redirect to "Site List" page, click "+" button located at the top right corner to start adding a new site.

Step3: You'll see multiple steps of add site, click "Start" to enter the adding process.

Step4: Enter content to fill in the form, Once details are entered, click "Next" .

The following are the definitions of site filed:

Info Type	Field	Description
Basic info	Site Type	Types of power station.(Residential/Commercial Industrial/Utility/Off Grid).
	Site Name	Power station name.
	Site Photo	Power station photo.
	Search For Address	Locate the power station address.
	Postcode	Automatically fill in according to address content.
Add Device	Device Type	Select device type. (Gateway/Inverter/Smart Breaker/EV charger).
	Device Name	Define the name of the device.
	S/N	Device SN. Unique number
Set Tariff	Unit	Set your local currency type.
	Feed-in Tariff Type	Default type is fixed.
	Feed-in Tariff	The price of electricity sent to the grid.
	Consumption Tariff Type	Default type is fixed.
	Consumption Tariff	The price of electricity get from the grid.
Authorization	Retailer/Installer Organization Code	Fill in the installer's unique number, which is used to bind the installer for after-sales service.



Step5: Fill in the information according to the description of the field, Select the location of your device.

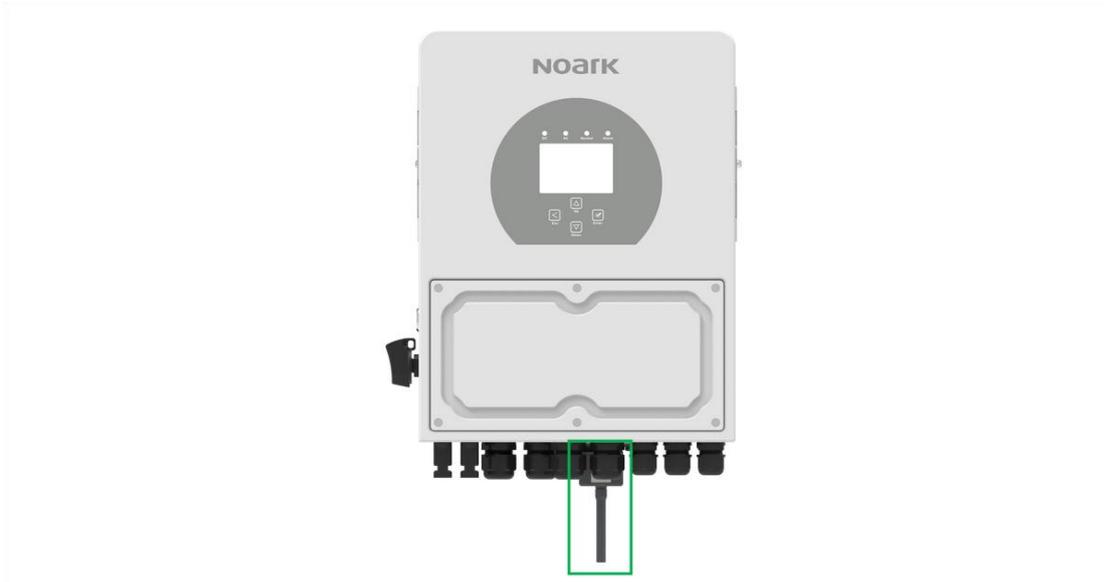
Step6: Select to add the equipment in your power station, If you are adding for the first time, please add gateway first. The SN number is attached to your Dongle.

Step7: Fill in your electricity price, on-grid price and settlement currency. This information will be used to calculate the electricity bill.

Step8: Fill in the installer's unique number, which is used for after-sales service.

Step9: Check the information and finish adding process.

5.2 Add Devices



Make sure the Noark inverter is powered on. Next, insert the Noark WiFi Dongle into the RS232 interface situated at the bottom of the inverter. Secure it in place using the original screws.



Step1: Login myNOARK app and click “Account” tab, click “WLAN Configuration” to start the network configuration process. Make sure your phone is connected to your home WIFI network.

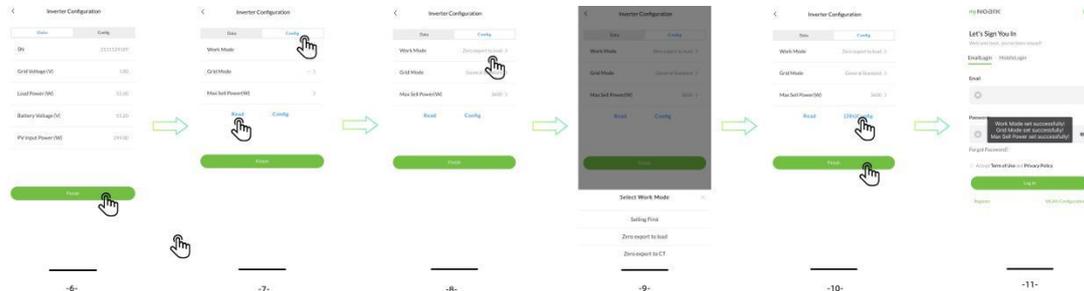
Step2: Please check your device and network connection status according to the tips. Click “WIFI Connected” and “Next” to the next step.

Step3: Scan the QR code on the dongle, or manually fill in the dongle's SN code to proceed to WIFI Configuration. Ensure that your phone or tablet is connected to WiFi network for the system. Once WiFi is connected, tap Next.

Note: The Dongle device exclusively supports the 2.4GHz 802.11b/g/n wireless standard.

Step4: The system will prepare to connect to the specified network. Tap Start to initiate the configuration.

Step5: Wait for the system to successfully configure. Once the configuration is successful, tap Next.



Step6: When Dongle successfully connects to the WIFI network, you will be able to read the data of the inverter, such as grid voltage, load power, etc. Click configure to jump to the device initialization settings.

Step7: Click the "read" button to read the current inverter's set parameters.

Step8 / Step9: select one of the items, and you can adjust the current operating parameters.

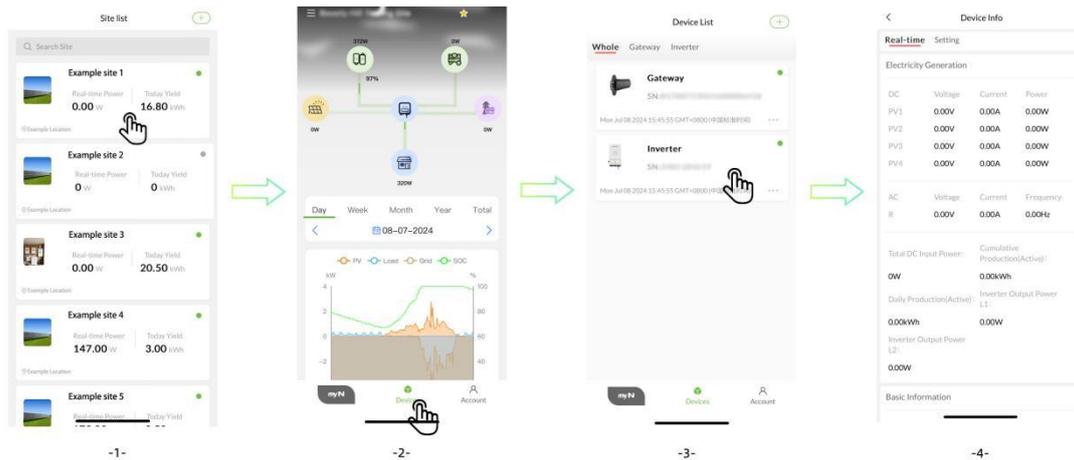
Step10: After selecting the running parameters to be run, click the "config" button to send the parameter settings to the inverter.

Step11: After setting up, a successful prompt will pop up on your screen.

6 View Device Data

The following content describes the process of viewing device data. If you want to view inverter or energy storage data, you can follow the operation.

6.1 Realtime Data



Step1: Locate and select the desired site from the list. For example, click on "Example site1" to view its details.

Step2: Once you are on the site details screen, you will see a graphical representation of the site's power flow and statistics. At the bottom of the screen, tap on the "Devices" tab to proceed to the device list.

Step3: In the Device List screen, you will see a list of devices associated with the selected site. Find the "Inverter" device and click on it to view its details.

Step4: Here, you can view real-time data of the Inverter/Battery/Gateway and other devices, There are some real-time data types can be view, such as Electricity Generation, Basic information, Version Information, Power Grid, Electricity Consumption, Battery, Temperature, State etc.

6.2 Charts

The daily performance chart shows the power (kW) and state of charge (SOC) over a single day. It includes data for PV (solar power), Load, Grid, and SOC. Positive grid power means it is taking/buying power from the grid, and negative grid power means it is exporting/selling power to the grid.



At the top of the daily chart, you can select the date for which you want to view the data. Click on the calendar icon or the date to open the date picker and select the desired date. The chart of Day displays multiple lines and areas representing different data points:

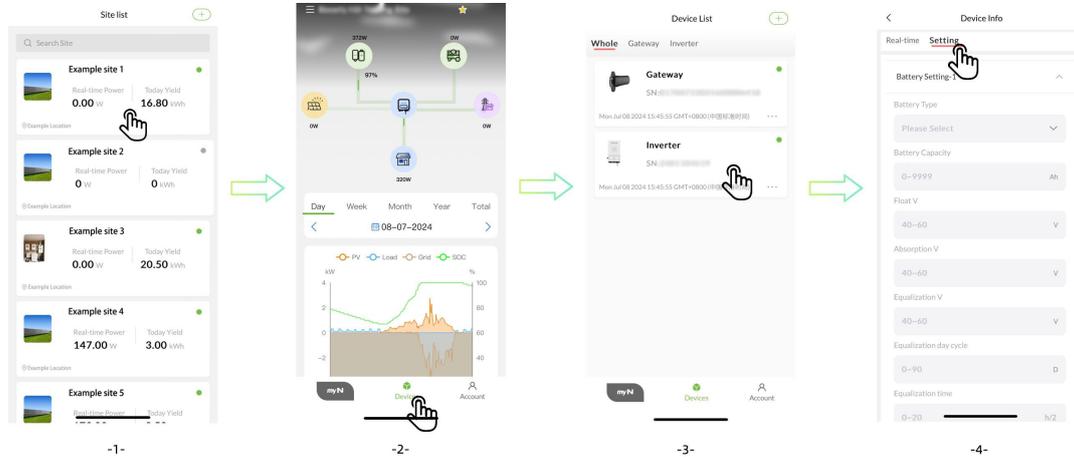
Color	Name	Description
Orange	PV	Represents the power generated by solar panels.
Blue	Load	Represents the power consumption.
Gray	Grid	Represents the power supplied by the grid.
Green	SOC	Represents the state of charge of the battery as a percentage.

The chart of Week/Month/Year and Total displays multiple lines and areas representing different data points:

Color	Name	Description
Green	PV	Represents the energy generated by solar panels.
Blue	Charge	Represents the energy used to charge the battery.
Orange	Discharge	Represents the energy discharged from the battery.
Red	Load	Represents the energy consumption.
Brown	Buy	Represents the energy bought from the grid.
Dark Orange	Sell	Represents the energy sold to the grid.

7 Setting Device Params

The following content describes the process of operating device and setting parameters. If you want to setting inverter or energy storage parameters, you can follow the operation.

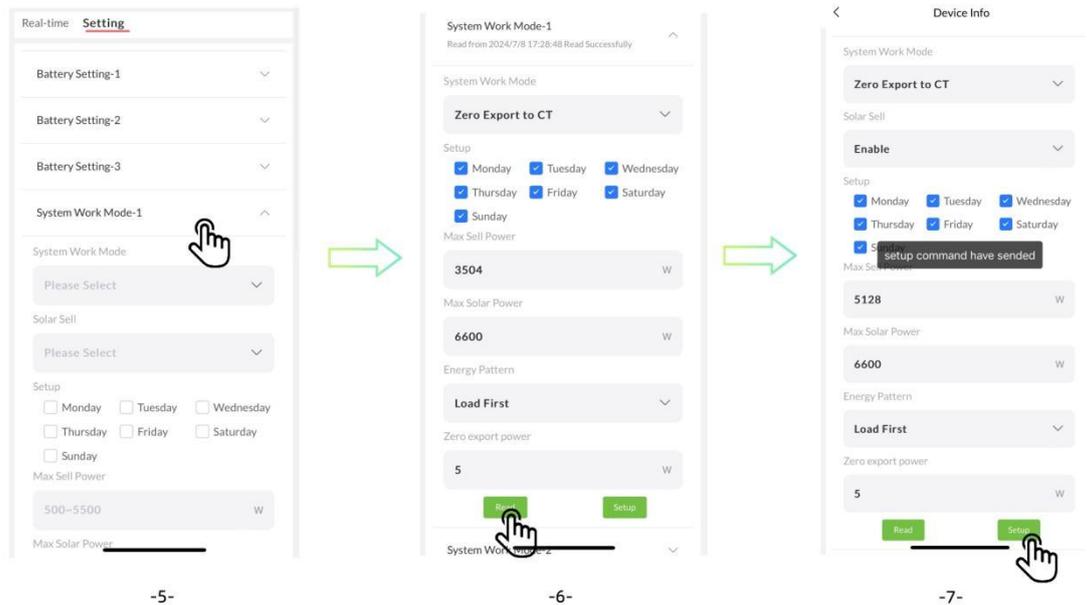


Step1: Open the application and navigate to the Site List screen. Locate and select the desired site from the list. For example, click on "Beverly Hill Testing Site" to view its details.

Step2: Once you are on the site details screen, you will see a graphical representation of the site's power flow and statistics. At the bottom of the screen, tap on the "Devices" tab to proceed to the device list.

Step3: In the Device List screen, you will see a list of devices associated with the selected site. Find the "Inverter" device and click on it to view its details.

Step4: You will be directed to the Device Info screen for the inverter. Switch to the "Setting" tab at the top of the screen.



Step5: There are many control item categories, select a item and unfold the parameters. There are some parameter types to choose, such as Battery Setting, System work mode, smart load, basic setting, advanced function.

Step6: You need to click "read" first to read the real-time data of the inverter.

Step7: Select the parameter type you want to set, fill in the parameter value, and click the "setup" button to send the data to the device. If you send it successfully, a success message will pop up on the screen.

8 Feedback&Contact

We greatly value your feedback and suggestions. If you have any comments or suggestions, please contact us thWe greatly value your feedback and suggestions. If you have any comments or suggestions, please contact us through the following methods:

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