

Quick Installation Manual

WL Stick Datalogger



1 Install

1.1 Install the network cable

Step1: Remove the "Plastic Nut", "Thread Clamp Claw", and "Sealing Ring" in turn.

Step2: Pass the network cable plug through the "Plastic Nut", "Thread Clamp Claw", and "Sealing Ring" (with opening) in the direction as shown in the figure below.

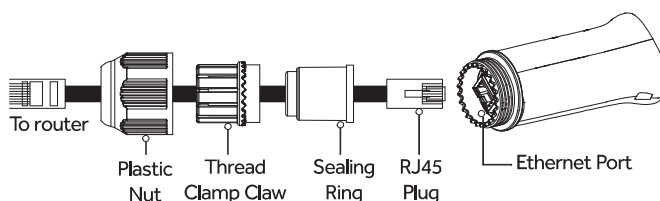


Figure 1.1

Step3: Fully embed the "Sealing Ring" into the "Thread Clamp Claw".

Step4: Connect the "RJ45 Plug" to the datalogger and tighten the "Plastic Nut".

NOTE

Due to limited space, only RJ45 plug without protective shell can be used.



Figure 1.2

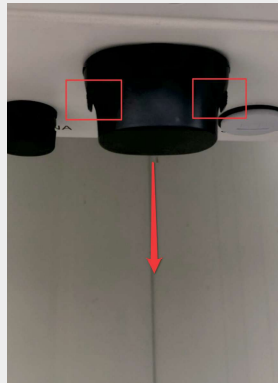
The diameter of the network cable connection end on the data logger is about 3.5mm after it is completely fastened. The network cable is required to be circular or oval, and the diameter of the network cable needs to be greater than 4mm in order to be properly sealed.

1.2 Install the datalogger

Install the datalogger:

Step 1: Press both sides of the protective cover and open the inverter USB port protective cover.

Step 2: Match the joint, and then align the datalogger with the USB port groove of the inverter and install it directly.



1



2

Figure 1.3

1.3 Install with multiple inverters

If you need to collect data from multiple inverters, please follow the inverter user manual to establish a communication connection with the inverter using the RS485 communication cable in a "hand in hand" manner.

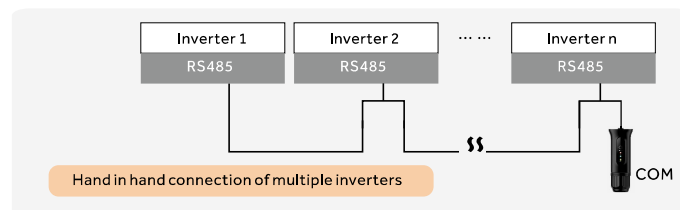


Figure 1.4

After the datalogger is installed on the inverter, if the inverter is powered on, you need to set the inverter slave address, the default slave address of the inverter is 01, and each inverter on the communication circuit needs to be assigned with different slave address different slave address (like 02, 03, 04, 05...).

NOTE

The device must be installed away from the strong magnetic field produced by large electrical appliances such as microwave oven, refrigerator, telephone, metal walls, etc. Otherwise, the communication quality may be affected. It may also be affected by lightning storm.

2 LED and Button

LED Lights Status:

LED indicators	Description	LED Status	Meanings
Internet Indicators ● (NET)	Shows the connection status between the datalogger and the server.	Flashing	Trying to connect with server
		ON	Successfully connected
		OFF	Abnormal connection
Inverter COM Indicators ● (COM)	Shows the connection status between datalogger and the inverter.	Flashing	Trying to connect with inverter
		ON	Successfully connected
		OFF	Abnormal connection
Power Indicator ● (PWR)	Shows the power supply status of the datalogger.	ON	Datalogger is powered up normally
		OFF	Datalogger is powered up abnormally

Table 2.1

Button Instruction:

The [RESET] button on the front is used for connection.

- Short press will send the data immediately.
- Long press for over 10 seconds until only the red light is on will reset the connection.

The three LED lights constantly ON indicate the datalogger is working normally.

3 Connect to Haier Energy app

After the device installation is completed, the installer needs to connect the device to the **Haier Energy app** for commissioning. After commissioning is completed, it can be delivered to the home owner.

NOTE

- 1.The screenshots given in this document are for illustration purposes only. Interfaces in different periods may differ. The actual interface display shall prevail.
- 2.For details about App instruction and function, see Haier Energy App Installer Manual in official website, <https://www.haier-energy.com>. Scan to visit the official website.



Figure 3.1

Step 1: App Download Instructions:

You can download the Haier Energy app in one of the following two ways:

1. Search the Haier Energy App:

Open the Play Store (for Android) or App Store (for iOS), and search for "Haier Energy". Download and install the app.

2. QR Code Method:

Scan the provided QR code using your mobile device. It will take you directly to the app's download page. Follow the on-screen instructions to install the app.

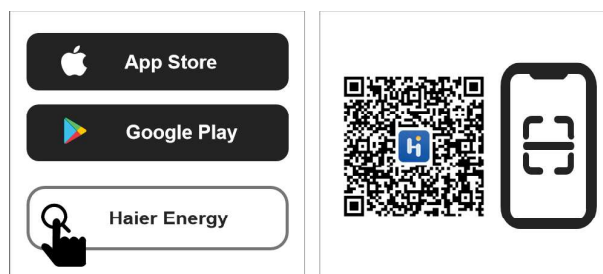


Figure 3.2

NOTE

1. Both the installer and the homeowner will use the Haier Energy app.

2. The screenshots in this document are for illustration purposes only.

The actual app interface may vary depending on updates. Please refer to the current version of the app for accuracy.3. When setting the plant time zone , make sure it is consistent with the inverter ' s installation site.

Step2: Registration of installer account

There are two ways to register an account:

1). Please visit <https://hemseu.haier-energy.com> and sign up for your account.

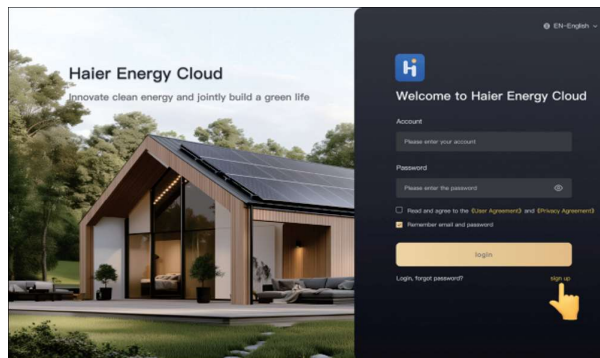


Figure 3.3

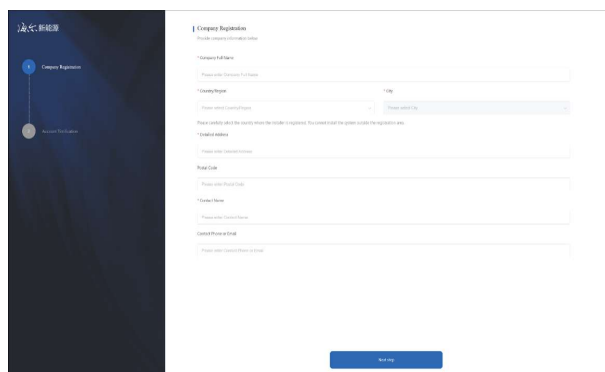


Figure 3.4

Figure 3.5

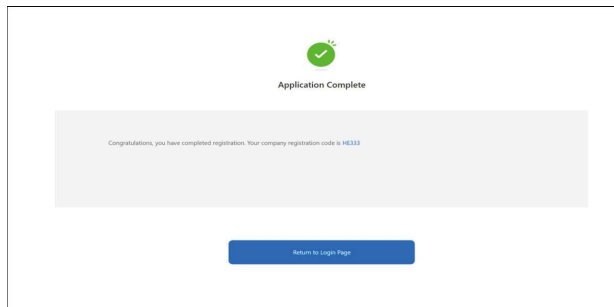


Figure 3.6

App Download Instructions:

You can download the Haier Energy app in one of the following two ways:

1. Search the Haier Energy App:

Open the Play Store (for Android) or App Store (for iOS), and search for "Haier Energy". Download and install the app.

2. QR Code Method:

Scan the provided QR code using your mobile device. It will

take you directly to the app's download page. Follow the on-screen instructions to install the app.



Figure 3.7

Login to the Haier Energy app using your installer account. Use the username and password you registered earlier. The Data Center is Australia & New Zealand.

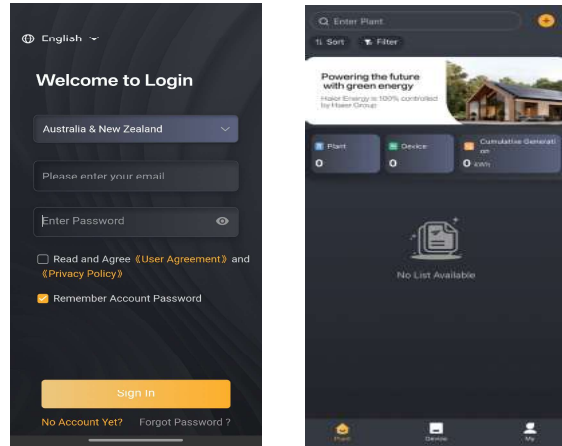


Figure 3.8

NOTE

1. Both the installer and the homeowner will use the Haier Energy app.
2. The screenshots in this document are for illustration purposes only.
3. The actual app interface may vary depending on updates. Please refer to the current version of the app for accuracy.
4. When setting the plant time zone, make sure it is consistent with the inverter's installation site.

2) Mobile App Registration – Coming Soon

Note:

This registration method is expected to be available by the end of 2025.

Before registering, please download the Haier Energy app using one of the following methods:

1. App Search Method:

Search for "Haier Energy" in the Play Store (for Android) or App Store (for iOS).

2. QR Code Method:

Scan the provided QR code to go directly to the app download page, then install the app.



Figure 3.9

Once installed, open the Haier Energy App, tap

1. **"No account yet"**
2. Complete the registration information according to the prompts .
3. Select **I'm an installer** to progress to your home page.

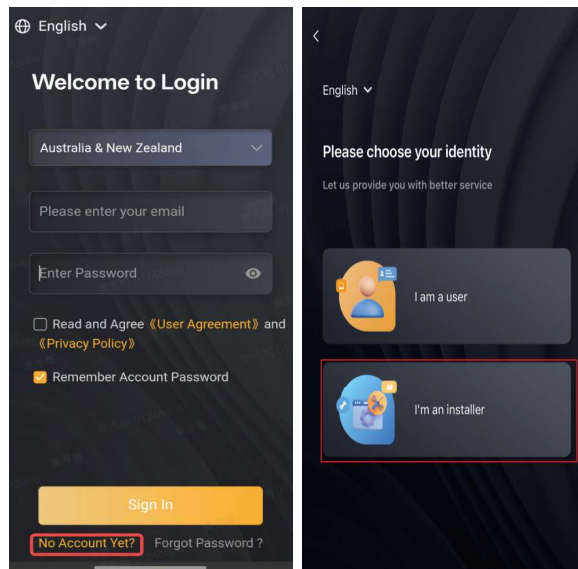


Figure 3.10

 NOTE

There are two methods for commissioning the Haier inverter via a Bluetooth connection:

Bluetooth with Wi-Fi Commissioning: This method includes Wi-Fi network configuration as part of the

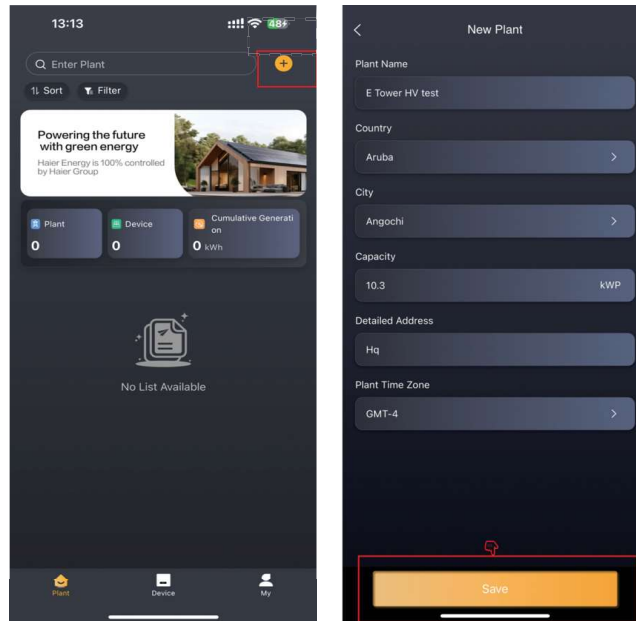


Figure 3.12

Step4: Add devices and WiFi configuration by Bluetooth

You can connect to the network through the Bluetooth signal of the device, please use the following methods to connect to the network and app.

1. Device Active:

Insert dongle into the inverter.

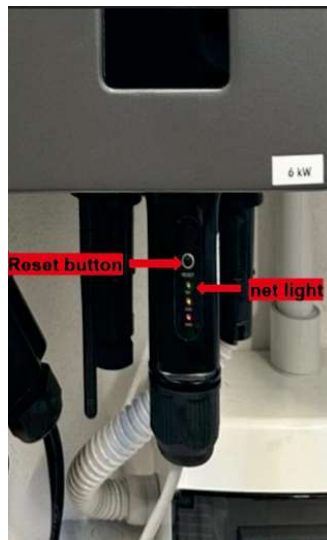


Figure 3.6

NOTE

Please ensure that the net light on the dongle is flashing green and then you can continue next step.

2. Search for and connect Bluetooth:

- 1). Go to the plant details page and click on 'Add Device'.
- 2). In the Bluetooth list, select the device you want to add.
- 3). Connect Bluetooth.

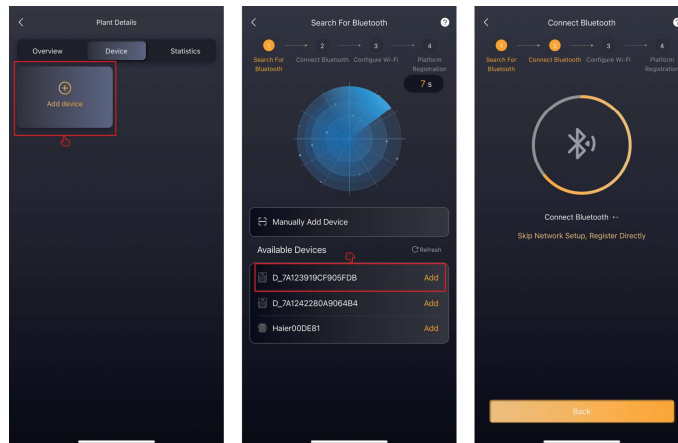


Figure 3.7

NOTE

If you want manual input device SN, please make sure to input the dongle serial number, not the inverter serial number.



Figure 3.8

 NOTE

Click on the "?" in the upper right corner of the page and enter the product model to view detailed operating instructions.

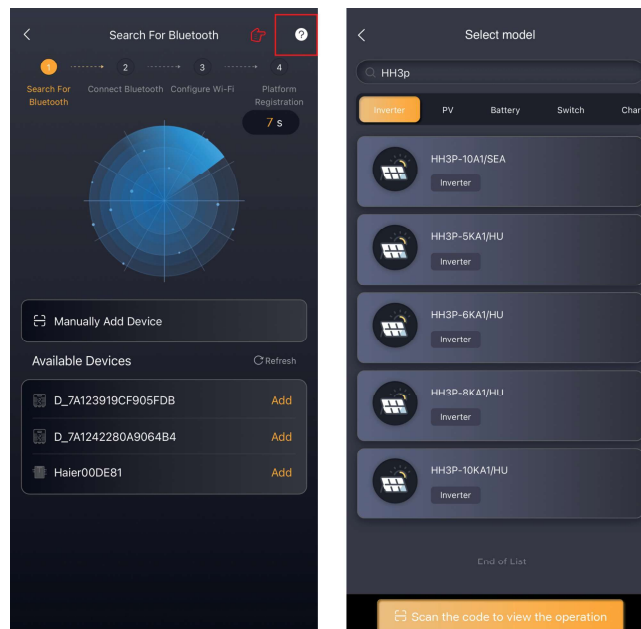


Figure 3.9

3.Configure WiFi:

NOTE

- 1.Please ensure that your Bluetooth and Location permissions are enabled.
 - 2.Confirm the selection of the correct dongle SN.
 3. Dongle only supports 2.4G WiFi.
- Select WiFi and set WiFi password.

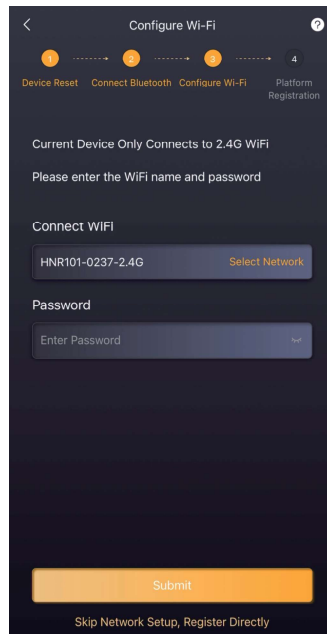


Figure 3.10

4. Platform Registration:
Device added successfully,. Click 'Quick Setting' to
initialize the device.

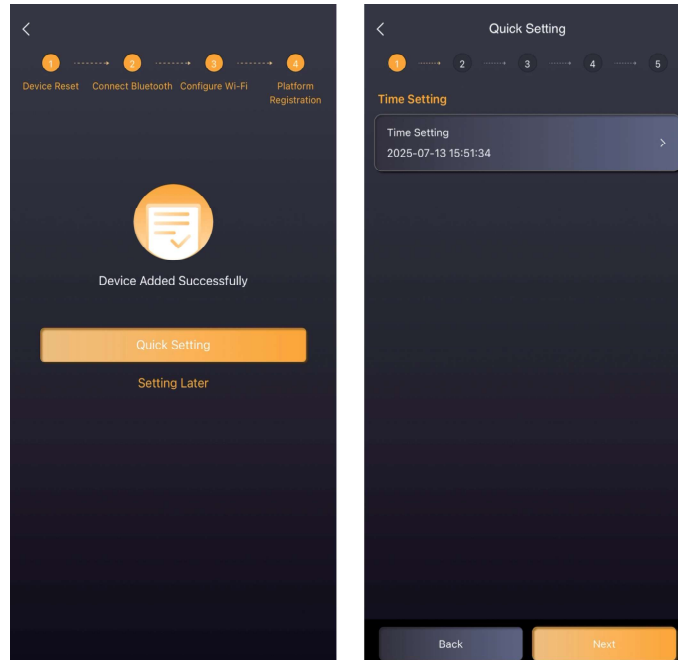


Figure 3.11

Step5: Quick Setting

1. Time Setting:

You can set it to follow the time on your mobile phone.

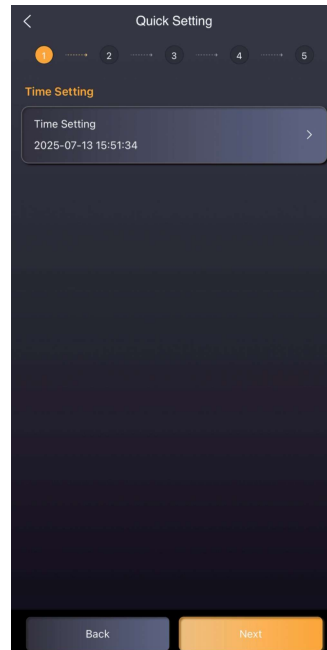


Figure 3.12

2. Battery Setting:

It must be based on the battery model that is actually connected to the inverter. If there is no battery connected for the moment, please select **"No Battery"** to avoid alarms. The default setting for battery over-discharge SOC is 20%, and force charge SOC is 10%.

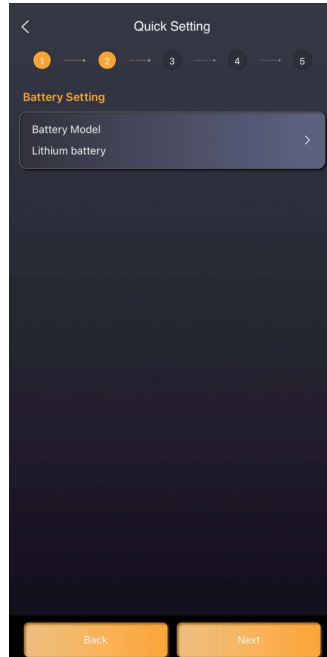


Figure 3.13

3. Advanced Setting-Meter/CT Setting:

It must be based on the meter type that is actually connected to the inverter. If there is no meter connected for the moment, please select "**No Meter**" to avoid alarms. It is suggested to install the meter at the system grid connection point and select "**Meter in Grid**".

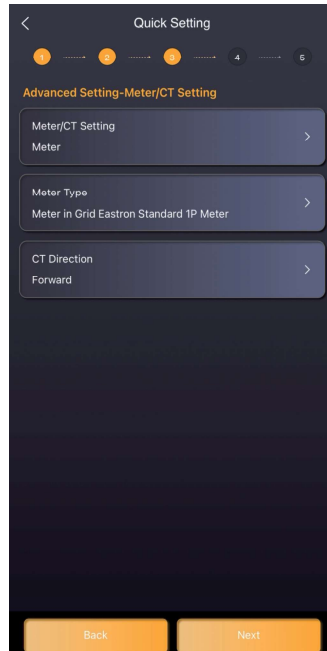


Figure 3.14

4. Grid Code Setting-Grid Code Parameters:
Please select the grid code based on the local grid network requirements.

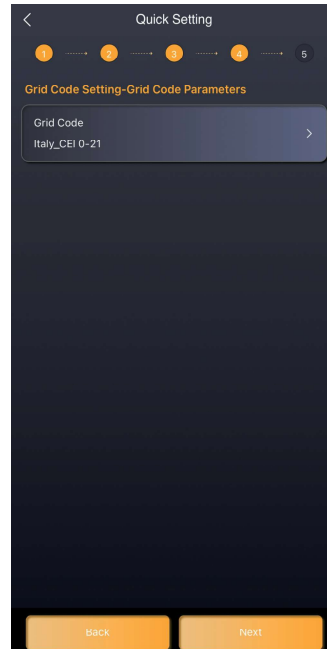


Figure 3.15

5. Work Mode Setting:

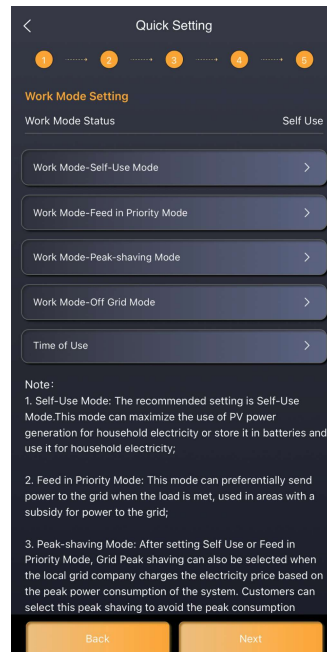


Figure 3.16

6. Quick setup completed, click "**Go To Plant**" to jump to the overview of the plant.

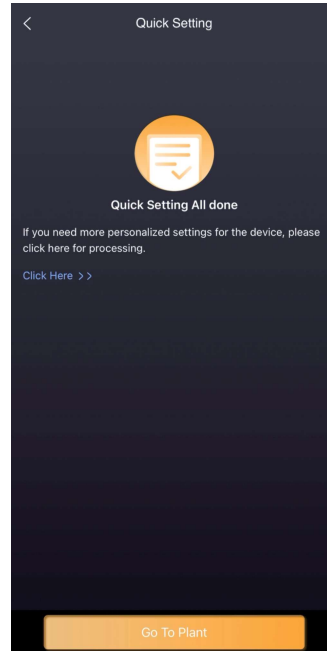


Figure 3.17

 NOTE

- 1.The "**Quick Setting**" content items will change according to the device model and firmware function. You can operate them according to the guidance on the app interface.
- 2.If you want to make more personalized settings, please go to the "**Parameter Settings**" page of the device to make modifications.

Step6: Deliver to home owner

The home owner App should be downloaded firstly with the following two ways:

1. Search the '**Haier Energy**' APP in Play store or App Store.
2. Scan the QR code which will take you directly to the app download page and installed the app.



Figure 3.18

Once installed, open the Haier Energy App, tap

1. **"No account yet"**
2. Enter your email to be used for the installer account.
 - Select **"Get code."**
 - Check the email from step 2 to retrieve the verification code.
 - **Enter the code.**
 - **Then create a password.**
 - **Read and agree User Agreement and the Privacy Policy**
 - **Register**
3. Select **I'm an user** to progress to your home page.

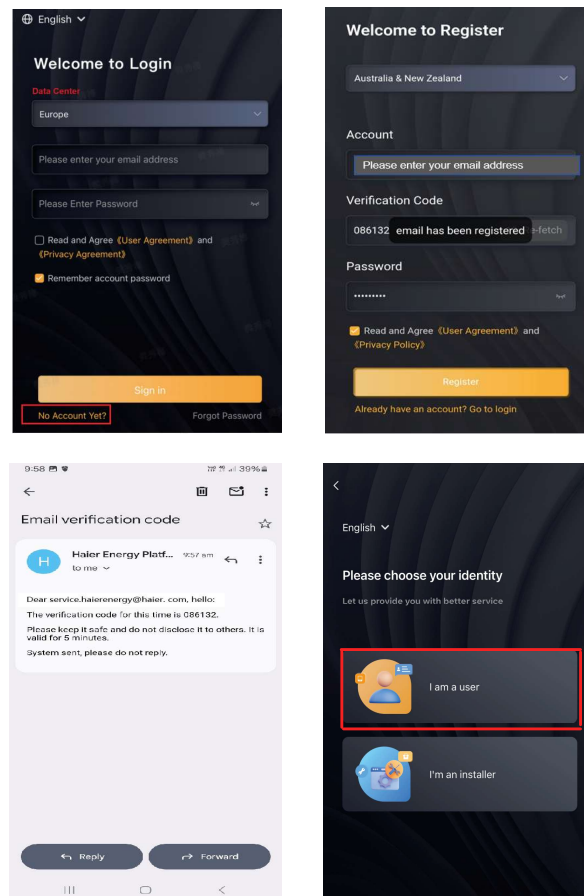


Figure 3.19

Choose data center and enter the user's registered email and password, then check the "Privacy Policy" and "User Agreement", then click "Sign In".

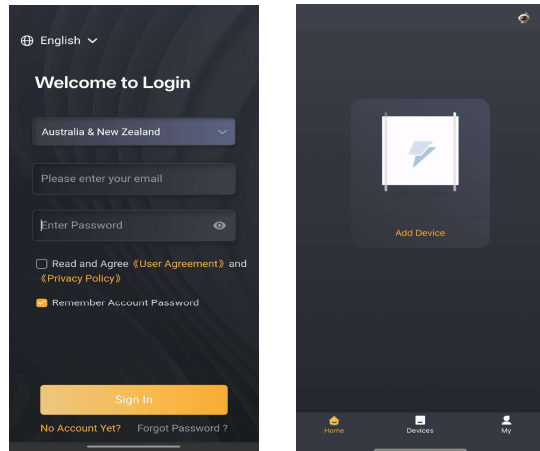


Figure 3.20

Deliver to home owner

NOTE

1. This step requires the end user register an account in advance (above);
2. The installer can hand over the power station under construction to the end user after confirming the end user has completed the registration;
3. The installer enters the power station details page and clicks the 'Deliver' button, selects the 'Haier Energy' app.
4. Enter the home owner's email, also the user's Haier energy account.
- 5 The status can be seen on the plant overview page. It changes from 'under construction' to 'delivered', and the handover is completed.

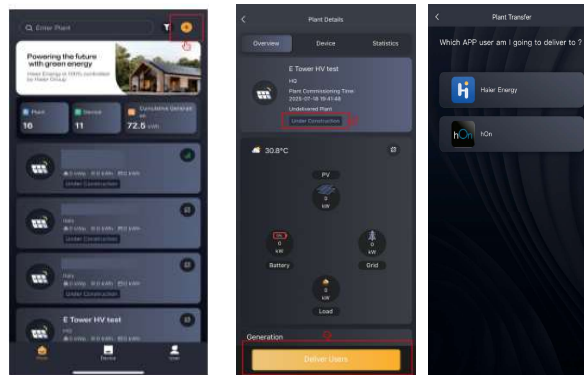


Figure 3.21

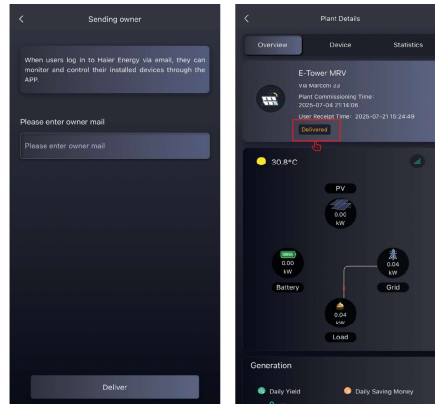


Figure 3.22

Step7: Home owner can view the device data and enjoy the energy journey

After the delivery is completed, the home owner can directly view the device by logging into the Haier Energy app.

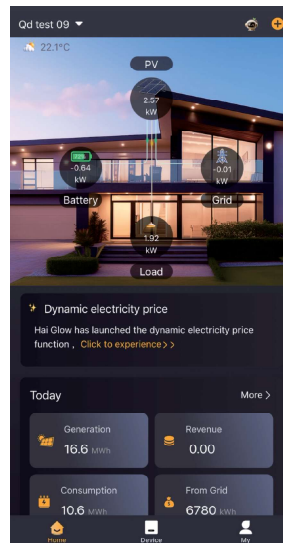


Figure 3.23

FCC Certification

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1)

This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Contact

Please get in touch with us by visiting

<https://www.haier-energy.com/contact.html>

if you have any problems.

Please provide the following information as well:

- ◆ Inverter SN
- ◆ Datalogger SN
- ◆ Problem Description

Qingdao Nahui Energy Technology Co., LTD.

Address: Room 303, Entrance 1, No. 4 Building,

Lan Gu Entrepreneurship Center Phase 1, No. 7, Keji Yilu Road,

Aoshanwei Sub district Office, Jimo District Office,

Jimo District, Qingdao, Shandong

Web: <https://www.haier-energy.com>