Communication Stick (2.4G)

Instruction Manual

TSW-T211

5.01.13.00196

This section will guide the installer on completing the device access and data reporting within the app and handing over the device to a homeowner. The whole process included the following two parts:

Installers Operation:

1. Download Nahui Business
2. Register an account
3. Login to the App
4. Create the Plant
5. Install the datalogger and distribute the network
6. Transfer the plant to the appropriate end-user

Home Owner Operation:

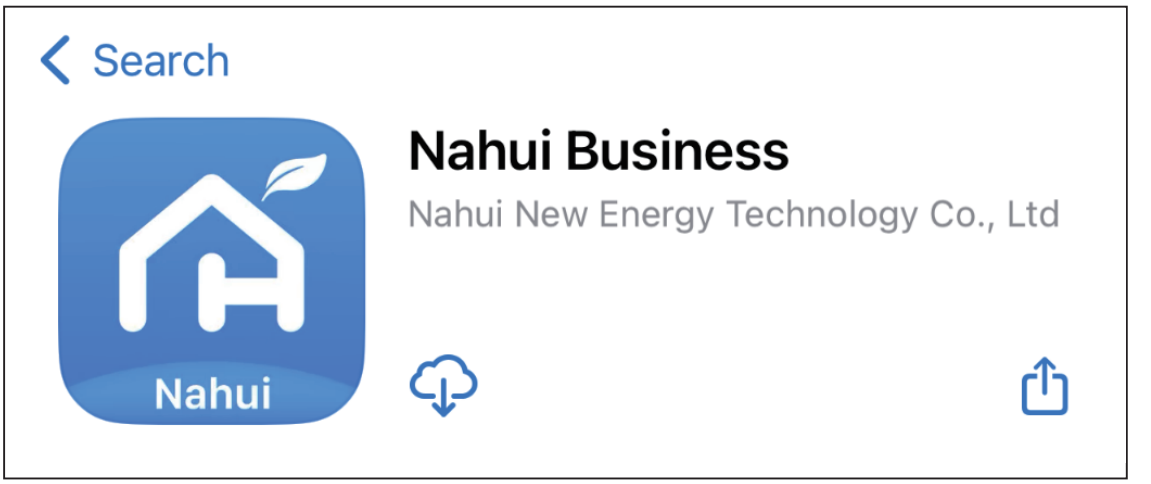
1. Download Nahui Energy
2. Register an account
3. Login to the App
4. Scan the QR code to complete the handover

Installers Operations

1.Download Nahui Business App

Method 1:

Search "**Nahui Business**" on Google Store or Apple Store for App downloads.



Method 2:

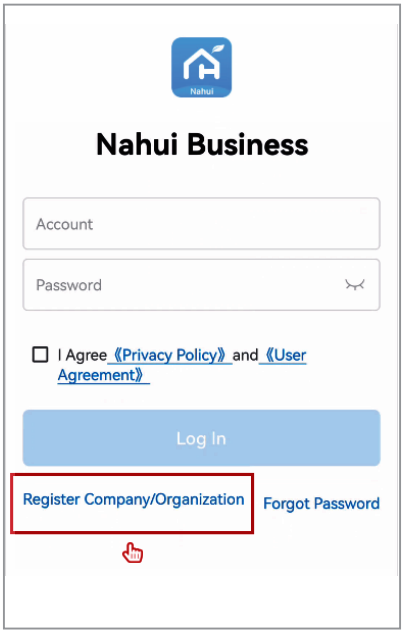
Scan the QR code on the left to download.

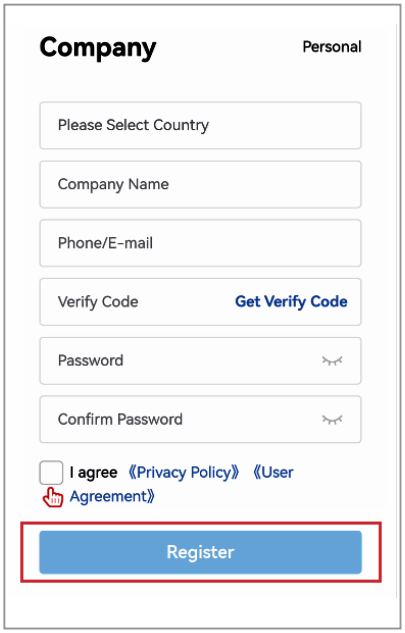
Nahui Business

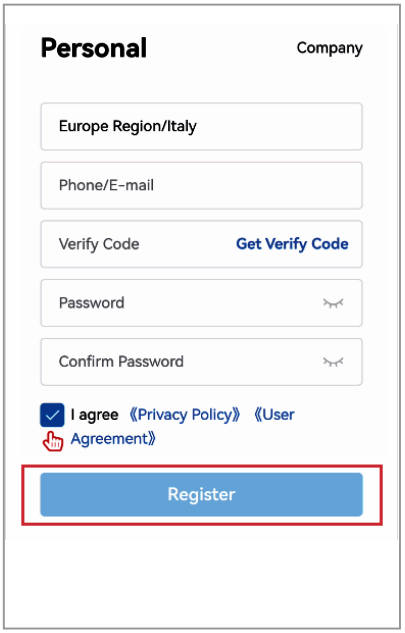
2.Register an account

For new users, please click "**Register Company/Organization**" and select the user types (Company/Personal).

If you are an installer/distributor in the company, Please select "**Company**" to fill in the information as prompted and get the verification code from your phone or Email to register. Suppose you are an individual installer without organization or a user who wants to create a DIY plant by yourself. In that case, you must select "**Personal**" to fill in the information as prompted to register.





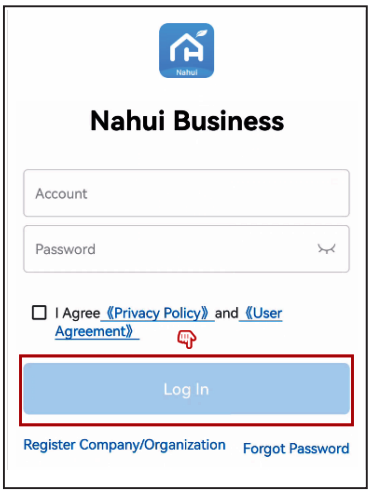


Note:

If your organization has already registered an account in the system, there is no need to register again. Please get in touch with your organization's administrator to add you as a member in the system backend.

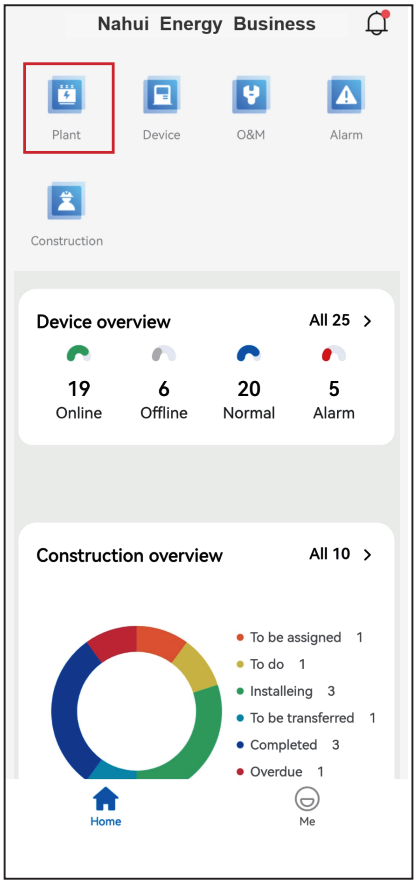
3.Login in to the App

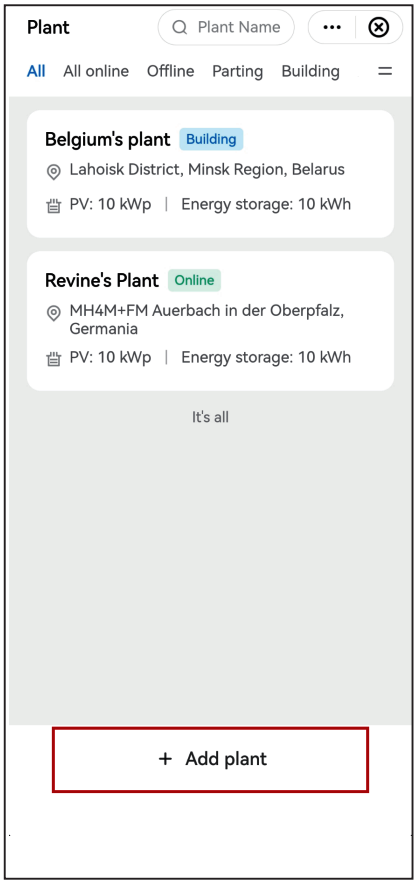
Entering the account and password, then check the “**Privacy Policy**" and "**User Agreement**", then click “**Log in**”.

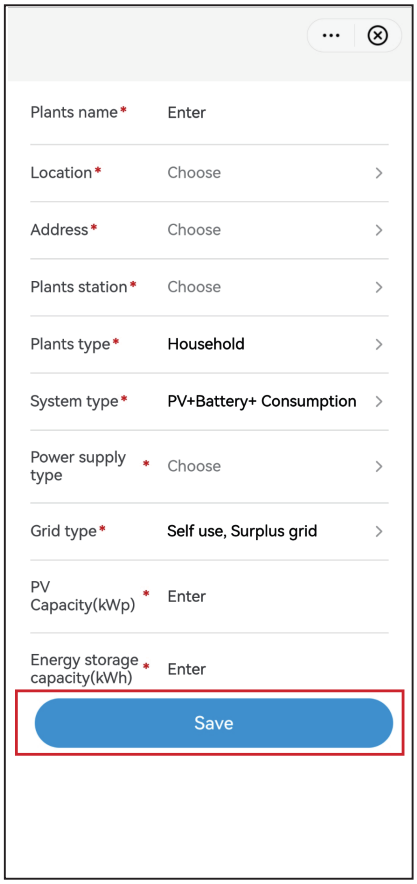


4.Create the Plant

Click the “**Plant**” to enter the plant management module to “**Add plant**” and fill in the information to “**Save.**”







Note:
When setting the plant time zone, please keep it consistent with the installed site of the inverter.

5.Install the datalogger and distribute the network

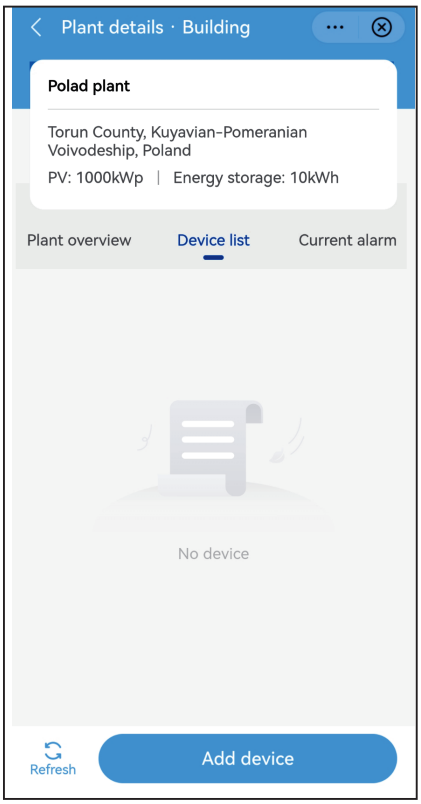
Step 1 Install the datalogger on the inverter, power it on, and hold down the setting key in the middle for 5 seconds until the SET light flashers so that the datalogger enters the distribution net mode. Then click the plant to enter the device list.

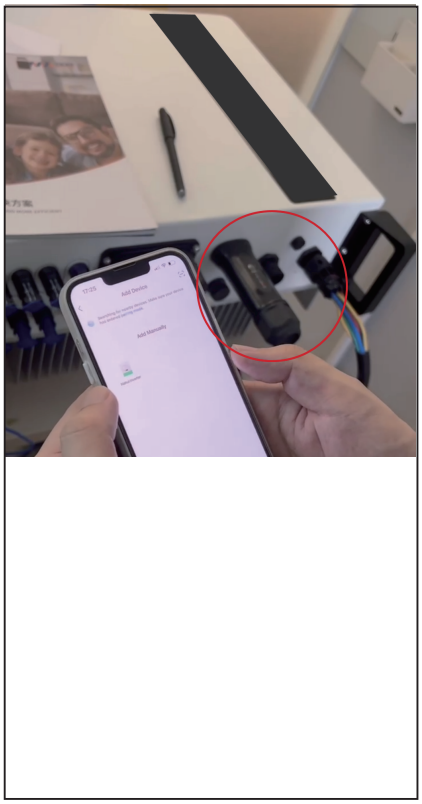
Step 2 Click “**Add device**” to enter the device configuration webpage. Click“**Add**” to start the device-adding service. The app will search for nearby devices and click "**+**" to add the identified device, entering the WiFi distribution.

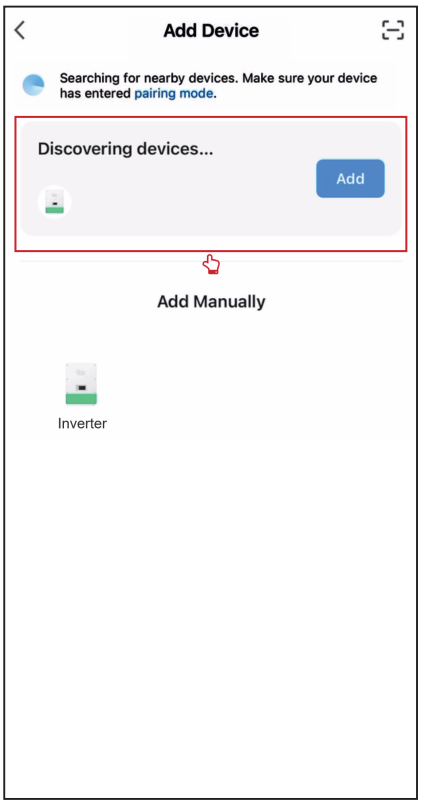
Step 3 After entering the WiFi account and password according to the prompts, the datalogger will connect and register, which needs to wait a moment.

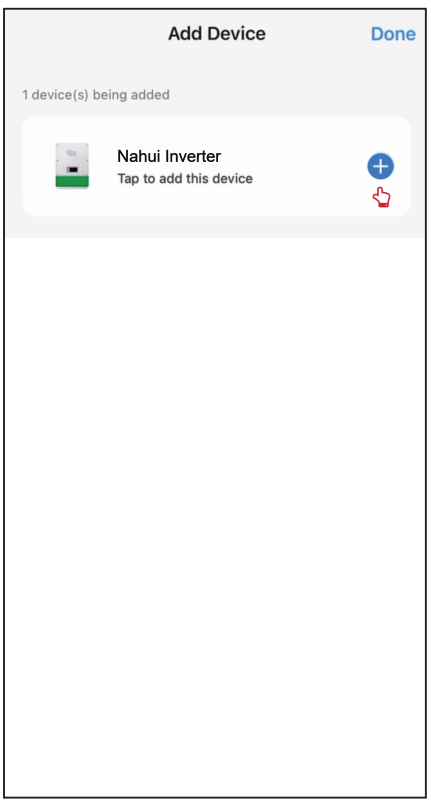
Step 4 Complete the distribution network to click "**Next**," the device will be added to the list automatically. Then click "**Done**."

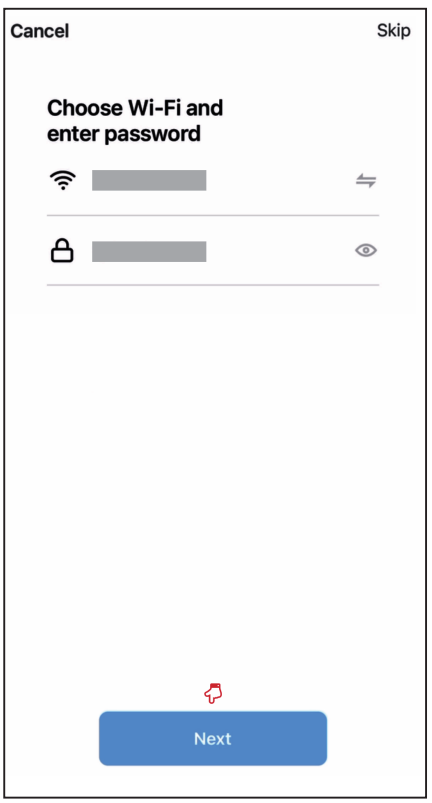
Note:
Please ensure your phone has Bluetooth and GPS turned on, and that the app has been authorized to use Bluetooth.

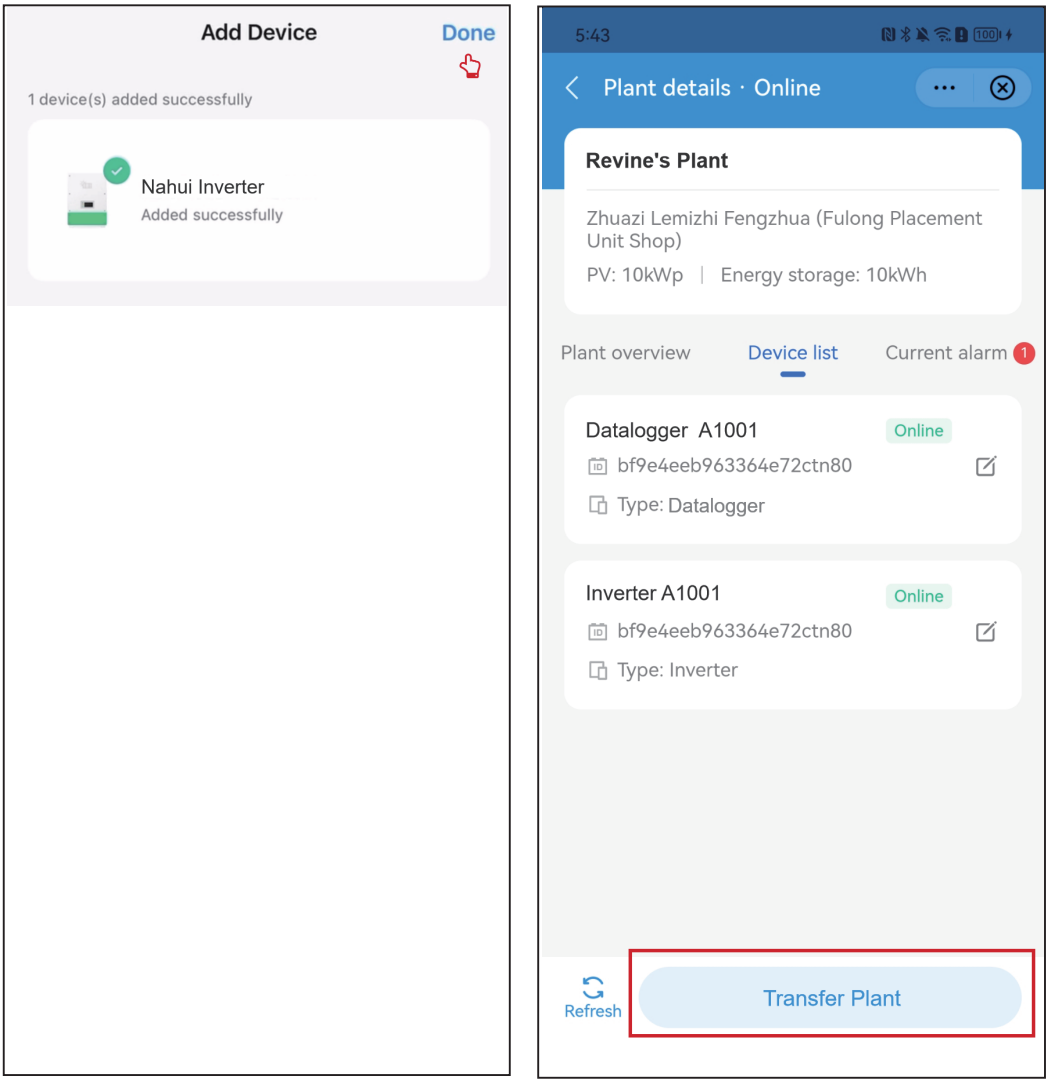

Plant details · Building
Polad plant
Torun County, Kuyavian-Pomeranian Voivodeship, Poland
PV: 1000kWp | Energy storage: 10kWh
Plant overview
Device list
Current alarm
No device
Refresh
Add device




Add Device
Searching for nearby devices. Make sure your device has entered pairing mode.
Discovering devices...
Add
Add Manually
Inverter


Add Device
Done
1 device(s) being added
Nahui Inverter
Tap to add this device


Cancel
Skip
Choose Wi-Fi and enter password
Next

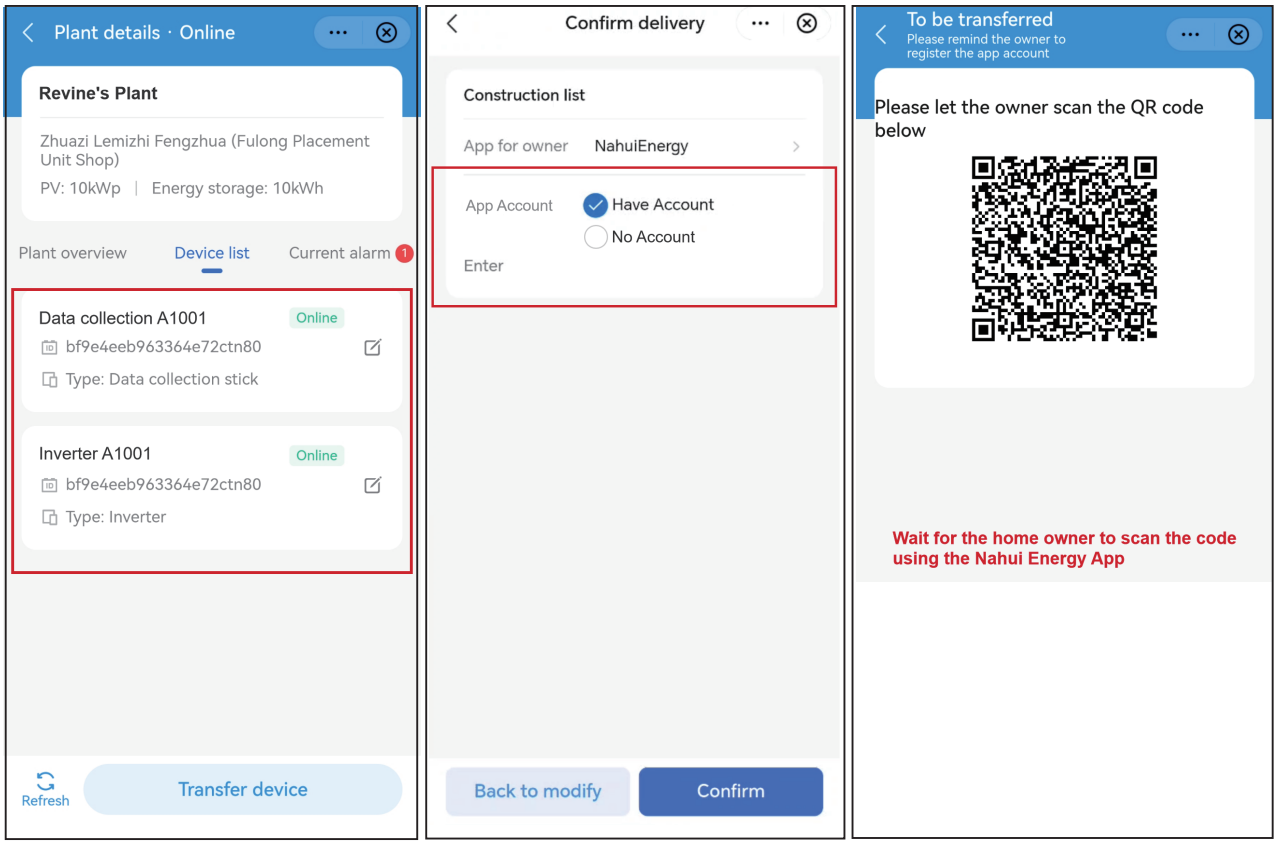


6. Transfer the plant to the appropriate end-user

Step 1 Click “**Transfer plant**” to transfer the plant to the corresponding homeowner.

Step 2 Enter the owner’s app account and click “**Confirm**”, which will generate a QR code and send it to the owner.

Step 3 The owner needs to scan the QR code using the “**Nahui Energy**” APP to confirm, and the handover will be completed.



Note:

If the owner doesn’t have the Nahui Energy App:

1. You can be guided to register and download the app. For details, please refer to “**Homeowner operation**".
2. When transferring the plant, if the user can not register or download Nahui Energy in time, please select "**no account**" and enter the owner's E-mail account. The system will email the owner to guide them in downloading “**Nahui Energy**” and receiving the plant.

Home Owner Operation

1. Download Nahui Energy App

Method 1:

Search the “**Nahui Energy**” in Google Play or App Store.



Method 2:

Scan the QR code on the left to download.

Nahui Energy

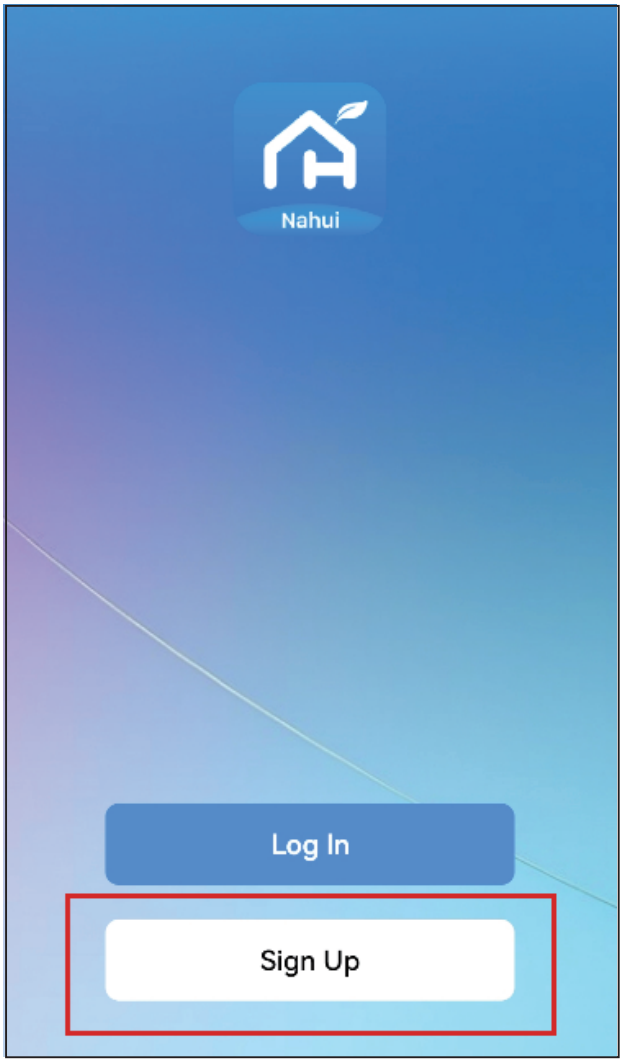
2.Register an account

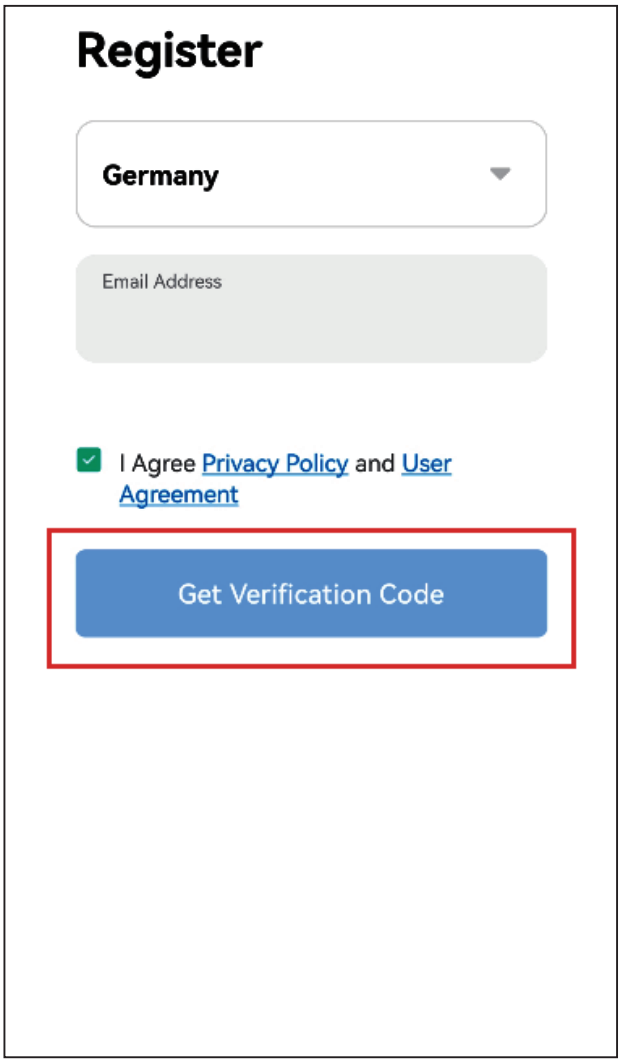
Step 1 Open the “**Nahui Energy**” to click “**Sign Up**” and enter the registration information that including COUNTRY and Email.

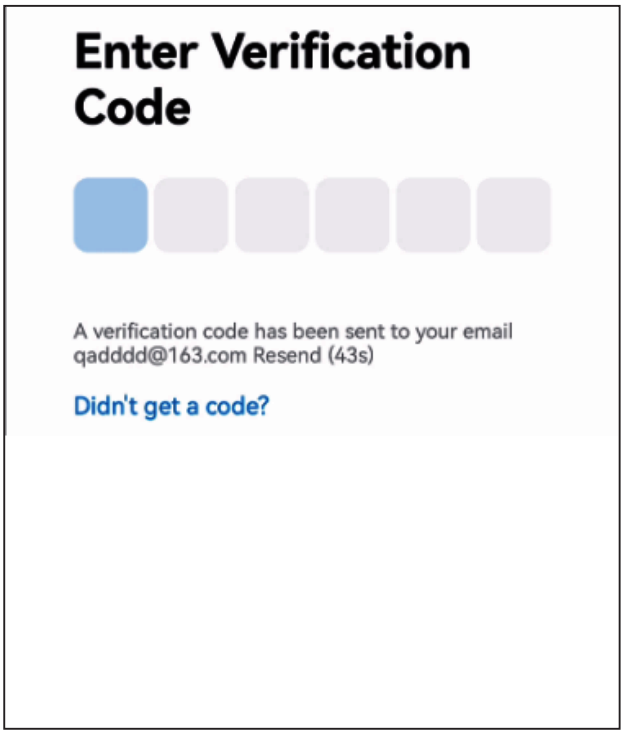
Step 2 Check the Privacy Policy and User Agreement and click “**Get Verification Code**”.

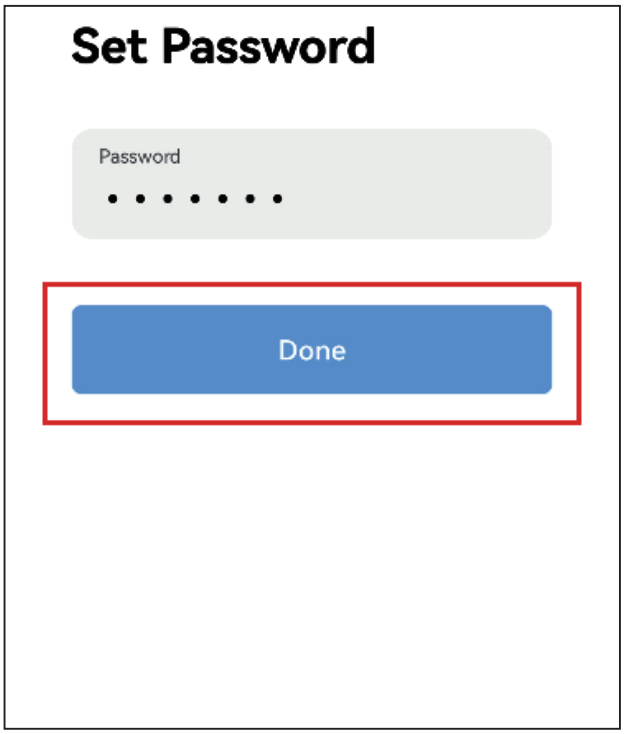
Step 3 Get the verification code in your Email and fill it in.

Step 4 Set the login password to click “**Done**”.





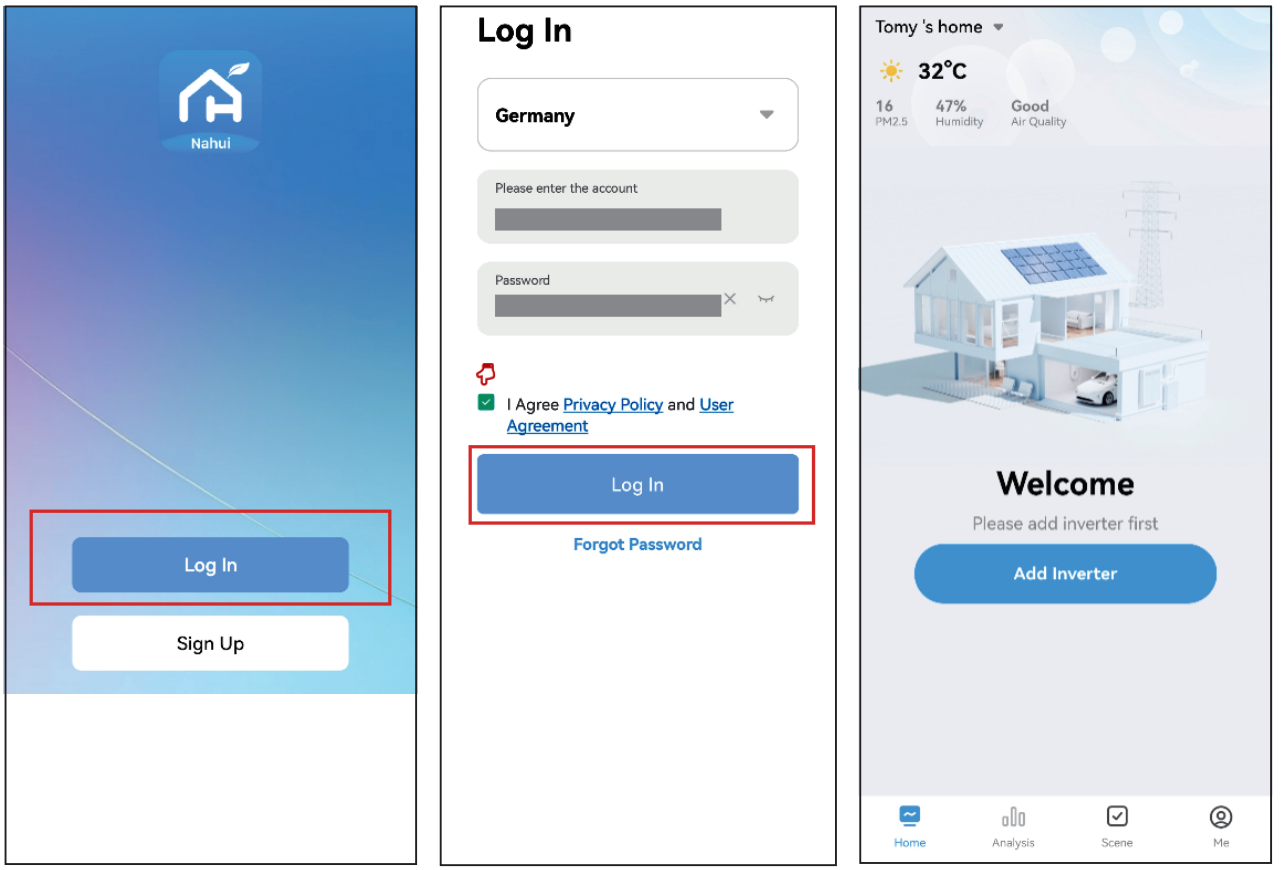




3. Login to the App

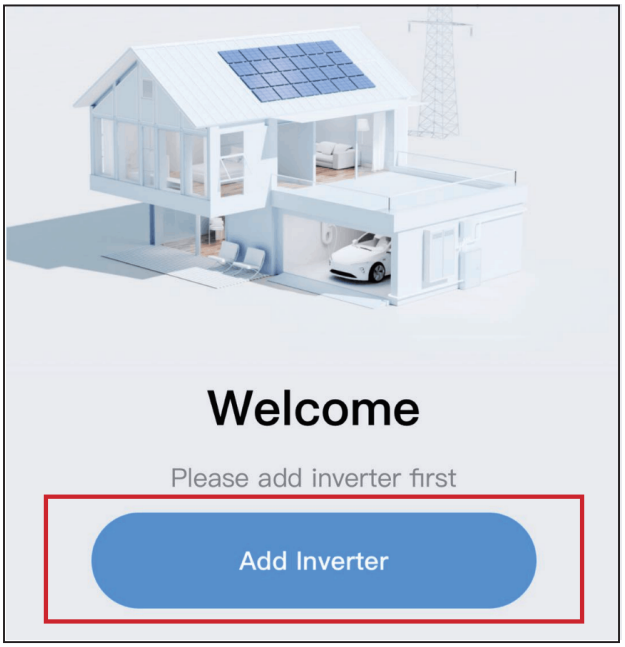
Step 1 Click “**Log In**” and enter the login information that includes Conutry and account password.
Step 2 Check the Privacy Policy and User Agreement and click the “**Log In**” then you will enter the “**Welcome**” page.

Note:
Nahui Energy supports quick login to third-party app.
(The iOS system can use the Apple ID to log in.)



4. Scan the QR code to complete the handover

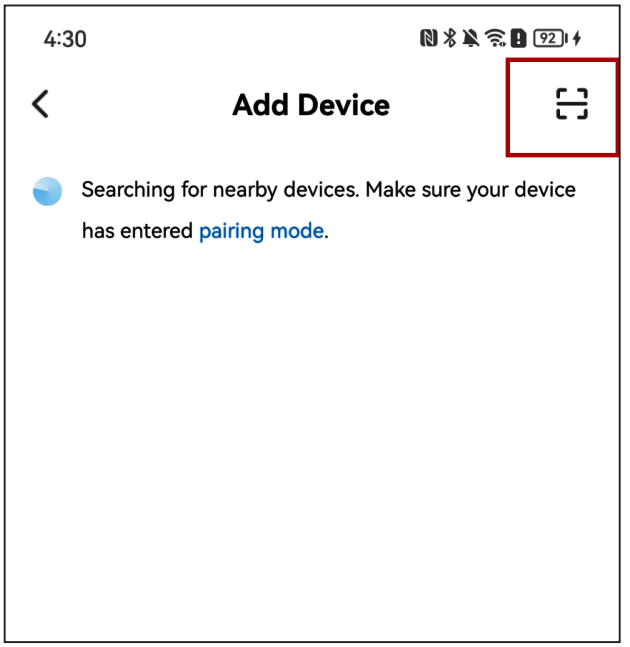
Step 1 Click “**Add Inverter**” on the welcome page.
Step 2 Scan the QR Code generated by an installer with the scan icon in the top right corner of the page.
Step 3 Click “**Confirm add**” to complete the inverter added, and then you can get the relevant status and data of the system in the Nahui Energy App.



Welcome

Please add inverter first

Add Inverter

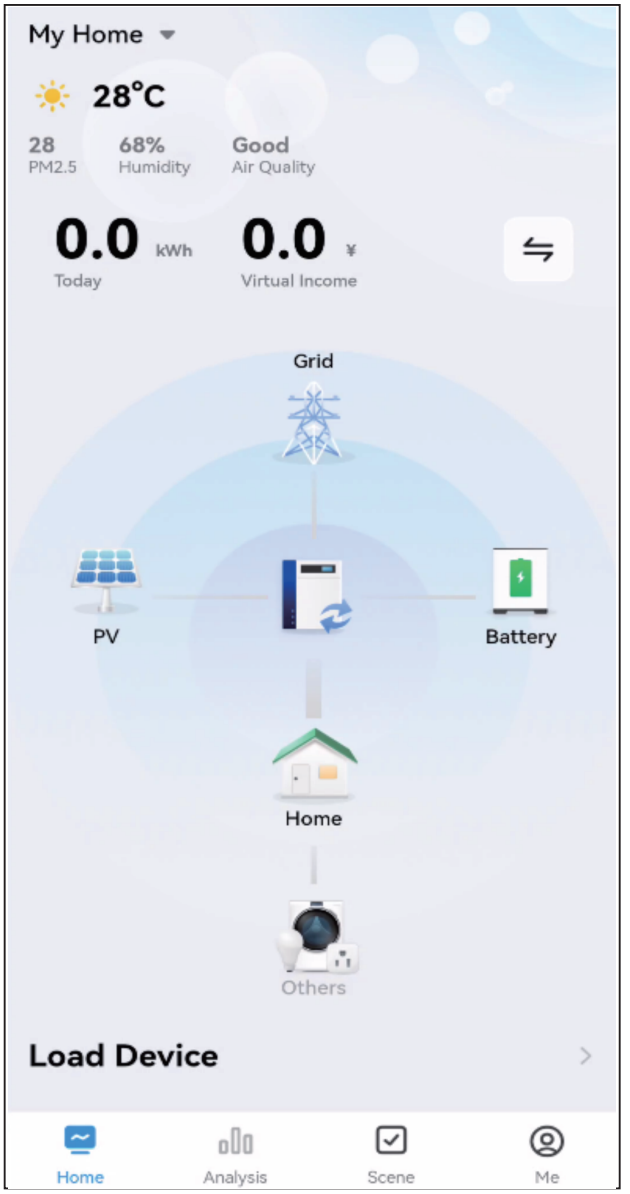


Installed please add inverter to your home



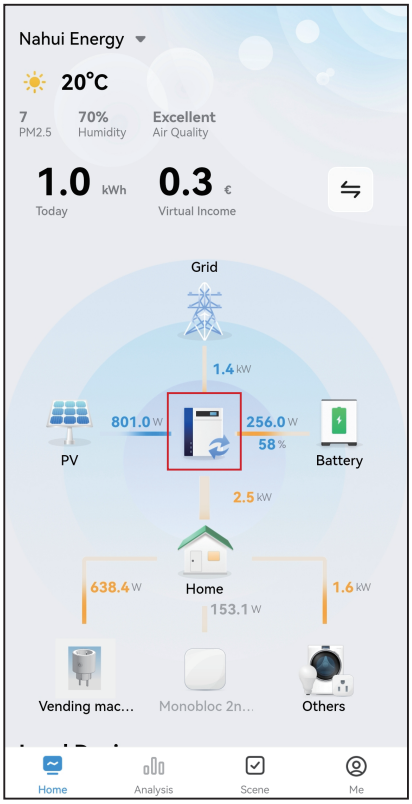
Inverter

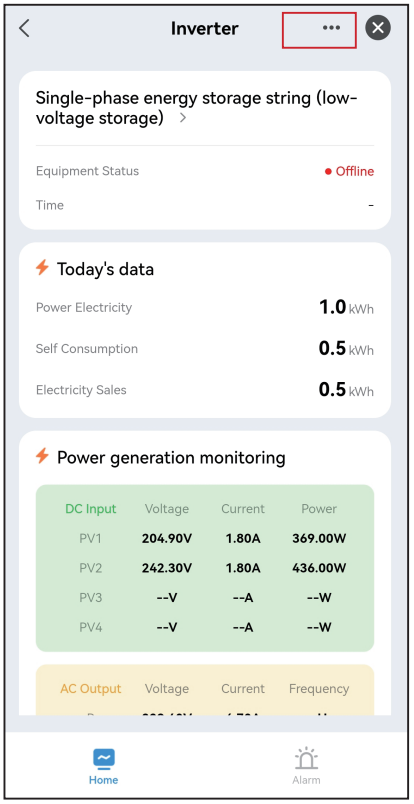
Confirm add

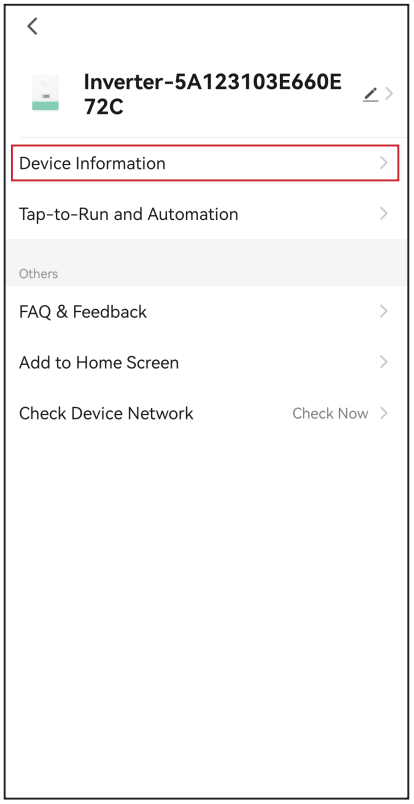


How to find the Virtual ID?

If you have any questions, refer to the "**Contact**" section for feedback requiring you to provide the Virtual ID. However, the below pictures can help you find the Virtual ID.

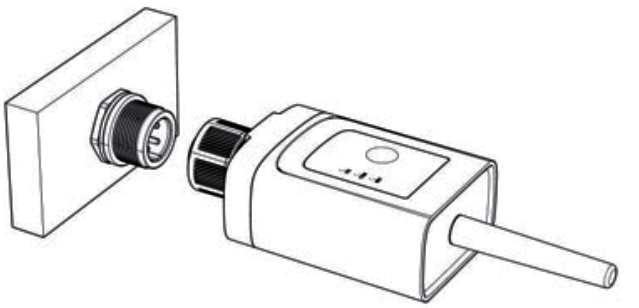






How to install the datalogger?

Step 1 Power off the device, unscrew the protective cap of the 4-core COM communication port, align the gap, and lug in the data logger.
Step 2 Tighten the nut to ensure the datalogger is in good contact with the device.
Step 3 When disassembling, please loosen the nut and pull out the datalogger.



Note
Do not directly turn the body of the datalogger with force so as not to damage the datalogger.

Communication stick LED working status

STE	COM	NET	Functional description	Troubleshooting
Flashing	Off	Off	Just powered on or waiting for network distribution	normal status

Flashing	Flashing	Flashing	Press and hold the button for 5 seconds, and after the three lights of STE, COM, and NET are on and off for 3 times, the Wi-Fi stick is unbound and in the state of waiting for network distribution	normal status
Always on	Flashing	any state	The communication stick is reading device data	normal status
Always on	any state	Flashing	The communication stick is communicating with the cloud	normal status
Always on	Off	any state	Abnormal communication between the communication stick and the device	1.Please reinsert the communication stick 2.Replace the communication stick to judge whether it is a communication stick problem or a device problem
Flashing	any state	Flashing	Abnormal communication between the communication stick and the cloud	1.Please check whether the router has power 2.Please check whether the external network of the router is normal
Flashing	Off	Flashing	Abnormal communication between the communication stick and the device, and the cloud	Please refer to the above suggestions to troubleshoot

Declaration of Toxic and Hazardous Substances in Electronic Products

Part Name	Toxic and hazardous substances or elements					
	Lead Pb	HG Hg	Cadmium Cd	Hexavalent chromium Cr(VI)	PBBs PBB	Polybrominated diphenyl ethers PBDE
Metal parts	X	○	○	○	○	○
Plastic parts	○	○	○	○	○	○
Circuit board	X	○	○	○	○	○
Power (if available)	X	○	○	○	○	○
Appendix	X	○	○	○	○	○

FCC Regulations:

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.
This device 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 by 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 to 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.

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

This equipment should be installed and operated with minimum distance 20cm from your body.

Declaration Of ConformityEuropean Notice

Hereby, Ningbo Lingzhu Technology CO.,Ltd. declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU, 2014/30/EU,2014/35/EU,2011/65/EU.



This product must not be disposed of as normal household waste, in accordance with EU directive for waste electrical and electronic equipment(WEEE-2012/19/EU) . Instead, it should be taken to the point of sale or municipal recycling point for disposal.

This table is prepared according to the provisions of SJ/T11364-2014

○: Indicates that the content of the toxic and hazardous substance in all homogeneous materials of the part is below the limit requirement specified in GB/T26572-2011

X : Indicates that the content of the toxic and hazardous substance in at least one homogeneous material of the part exceeds the limit requirement specified in GB/T26572-2011

The numbers in this label indicate that the product's environmental protection use period under normal use is 10 years, and some components may also have an environmental protection use period mark, and the environmental protection use period is subject to the number in the mark.

Certificate:

CE FC RoHS Reach

Contact

Please get in touch with us by sending an e-mail to **nahuiems@haier.com** if you have any technical problems. Please provide the following information as well:

Inverter SN

Datalogger SN

Virtual ID(Refer to Figure 1 to obtain Virtual ID)

Problem Description

Note:
Due to product upgrades and other factors, the content of this manual might change from time to time. Please take the actual product as standard and get the latest manual from www.nahui-newener-gy.com or sales. Unless otherwise agreed herein, this manual will only be used as guidance. Any statement, information, or suggestion in this manual will not take any form of responsibility.