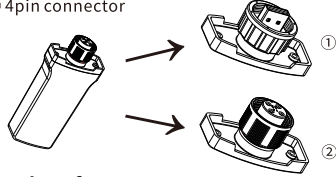# HANCHU ESS

INV-Logger

Product Introduction

INV-Logger is a wireless communication module developed by HanchuESS. It will collect the operating data of the inverters and upload the data to the cloud.

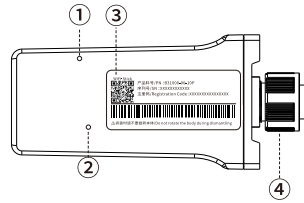According to the connection with the inverter, there are two types of INV-Logger:
① USB
② 4pin connector

Product features

- Remote firmware update
- Network diagnosis
- LED indicators
- Plug-in connector
- Automatic resumption of data transmission once network recovering
- IP65 Protection Class

Product Manual

① Blue LED: Indicator for network communication

② Green LED: Indicator for inverter communication

③ Type label: Product information

④ Connector: Connection to the inverter

Note: LED will only start working after power on.

	Turn on	Turn off
Green LED	power on	power off
Blue LED	have connected to the network	not connected to the network

|	slowly twinkle	quickly twinkle
Green LED	-	in the procession of OTA
Blue LED	connecting to the WiFi	connecting to the cloud

Installation Guide

Please remove the anti-dust cap of the connector on the inverter by rotating anti-clockwise.
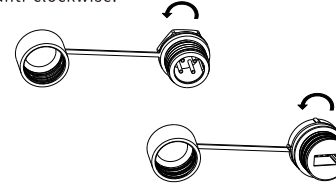
Insert the INV-Logger to the connector on the inverter. Rotate the nut on the INV-Logger clockwise and tighten it, as shown in the figure on the right.
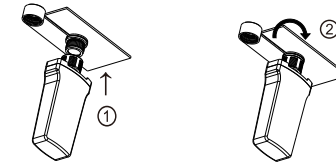
When removing the INV-Logger from the inverter, please unscrew the nut anti-clockwise as shown in the figure below. After removing, please reattach the anti-dust cap on the inverter connector to ensure protection class.
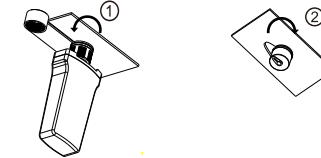
Caution: Please do not rotate the INV-Logger main body during installation.
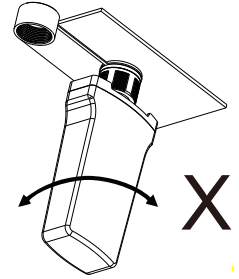
Note: Install the inverter within 20m of the router to ensure good signal.

APP Quick Guide

1. Before Using the App

Please ensure the following has been completed before using the HanchuEss App:

1.1 Check the battery and the BAT-logger:

• Turn on the battery and ensure that the battery level is good.
• Plug the BAT-logger into the right side of the battery and wait for the logger LED to flash twice quickly.

1.2 Check the inverter and the INV-logger:

• The inverter has been installed correctly as per the "Quick Installation Guide".
• The INV-logger has been connected to the inverter.
• The inverter has been connected to a string of solar panels of the appropriate voltage or to a DC power source.
• The inverter DC switch is in the "ON" position.
• Ensure the logger is green LED is solid ON and the blue LED is OFF.

! Tips:
• **Please keep the INV-logger connected to the inverter. If the logger is unplugged, the inverter may not work properly.**
• **Do not confuse the BAT-logger with the INV-logger.**

2. App Download

You can scan the QR code or visit the website to download the HanchuEss App:
https://www.hanchuess.com.

You can also download the HanchuEss App from the App store or Google play.

Android APP   IOS APP
GET IT ON Google play   Download on the App Store

3. Device binding

3.1 Registering and login

• If you have already registered, you can log in directly . Then you can turn to "3.2 Add devices".

If you don't have an account yet, tap"Sign up" to register as shown in Fig. 1.

• In order to provide you with the basic functionality of our products / services, you are required to authorise your consent to the "Privacy Policy" and "Terms & Conditions". We promise to keep users' information strictly confidential and will not disclose users' private information to outside parties unless authorised by the user or required by law.parties unless authorised by the user or required by law.

3.1.1 Fill in the account information

After filling in the information for registration, tap "Get Verification Code" as shown in Fig. 2.

We will send the verification code to your email.Fill in the code, and click on "Confirm" to log in, as shown in Fig. 3.
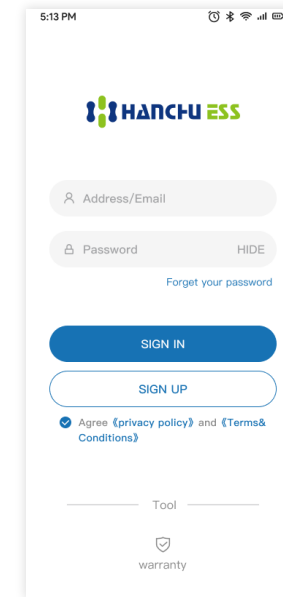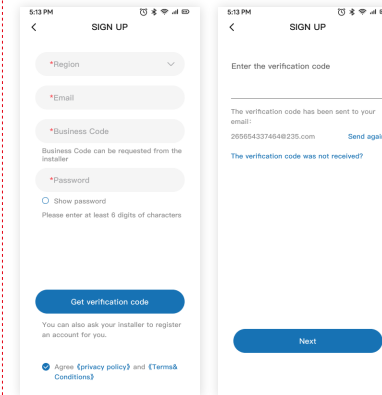
Fig. 1

Fig. 2

Fig. 3

3.2 Add devices

You can jump to the relevant section referring to what you want to do:

• Now you have a station, but need to configure the network for devices or add new devices to your station?

- Please tap the "+" button to add devices to your station, as shown in Fig.4. Then you can directly turn to <u>Step 3.2.2 Network configuration</u>.

• Now you don't have a station yet?

- Tap "<u>Create station</u>" on the page, as shown in Fig.5.

3.2.1 Fill in the new station information

You will need to fill in some information for the station, as shown in Fig.6.

• Address (optional): Your detailed address, we will only use it for after-sales service.
• Electricity price setting (optional): After filled, you will be able to view the income and expenditure of your devices.
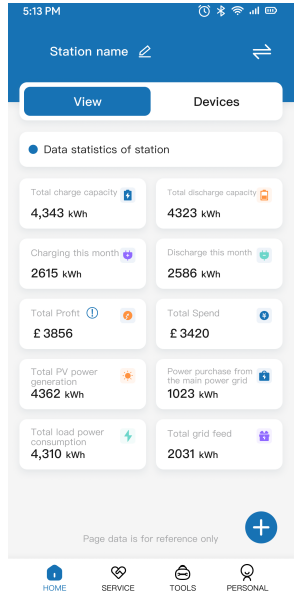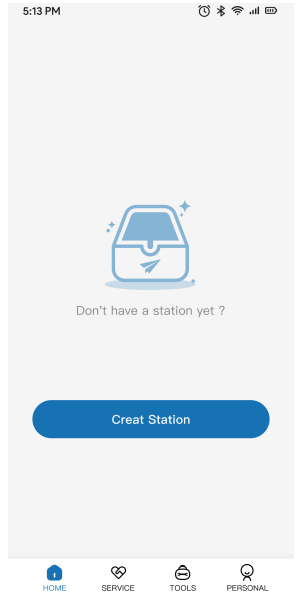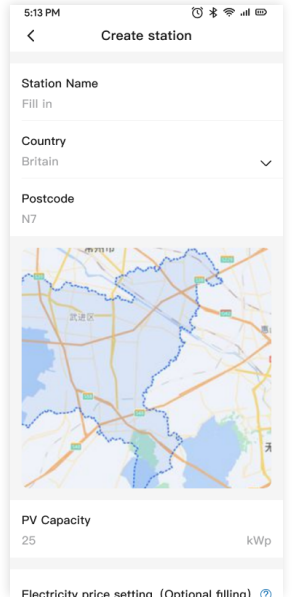

Fig. 4

Fig. 5

Fig. 6

3.2.2 Network configuration

Select the home Wi-Fi network you want to connect to (not 5G) and enter your WiFi password, as shown in Fig.7.

3.2.3 Bluetooth search

Turn on your phone's Bluetooth, then select the devices you want to bind.
Tap "<u>Bind with station</u>" to add the devices to your station, as shown in Fig. 8.

The SN on this page is the same as the SN on the logger.

! Tips: Please be sure to turn on the Bluetooth of the mobile phone, otherwise the binding function will not be available.
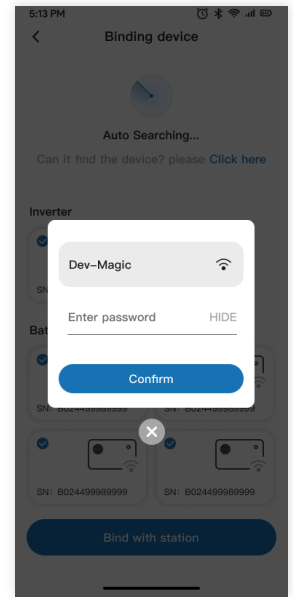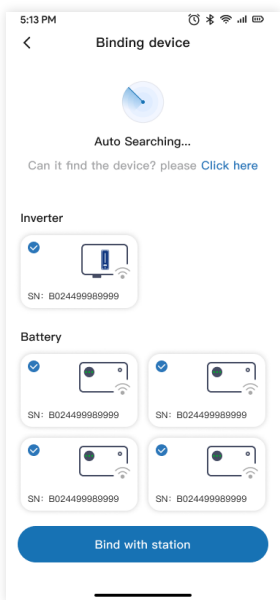

Fig. 7

Fig. 8

3.2.4 Binding completed

After the devices are connected to the network and bound successfully, you will see the page shown in Figure 9.

Please tap "<u>Configure the inverter</u>".

3.2.5 Choose the inverter:

Choose one inverter to configure.

3.2.6 Local configuration:

Then enter the local configuration page, as shown in Figure 10. Click "<u>Finish</u>" to complete the configuration.

! Tips:
• It takes about 1 minute for the device to start up.
• If you want to set more inverter configuration items, please contact your installer.
• If you want configure the inverter again, tap "<u>TOOLS</u>" to get into the "<u>Inverter local configuration</u>".

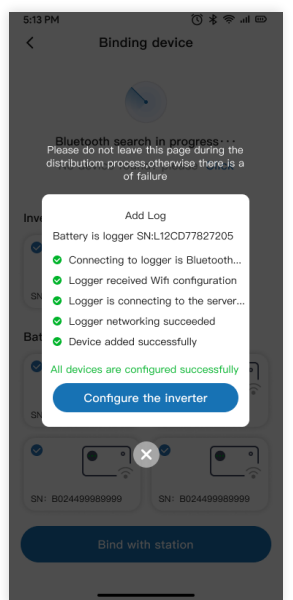Congratulations! You have done the basic configuration. Now you can view your device data on APP.
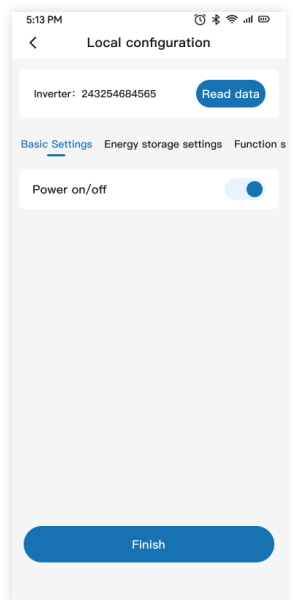

Fig. 9

Fig. 10

4. Account and service information

Tap "<u>PERSONAL</u>" to view account information and app settings.

• Have any device malfunction or have technical problems?

Tap "<u>After Sales</u>", and you will see how to contact the service.

• Have any questions or suggestions about the APP?

You can leave us a message in the "<u>Suggestions feedback</u>" or contact us at <u>service@hanchuess.com</u>. We will deal with it for you as soon as we know.

Contact

Jiangsu Hanchu Energy Technology Co.,Ltd

Hotline: +86 510 8887 6668

Service email: <u>service@hanchuess.com</u>

Web: <u>https://www.hanchuess.com/</u>

For the latest app quick guide, please scan the QR code below.

Qualification Certification

This product has passed the factory quality check control