



# Solis Wi-Fi Stick Datalogger Quick Installation Guide

## For S5-WiFi-ST-4Pin

Version: 1.0



### Delivery Content

- 1 Wi-Fi stick(4Pin)
- 1 Quick Installation Manual

## NOTICE

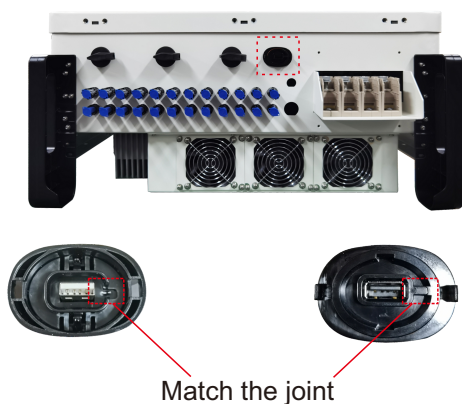
The contents of this manual may be updated from time to time due to product version upgrades or other reasons. Please adhere to the actual product if this manual does not match the actual product.

# 1 Install

## 1.1 Install the datalogger

Connect the datalogger to the corresponding USB port of the inverter. A Solis 50K inverter is used here as an example.

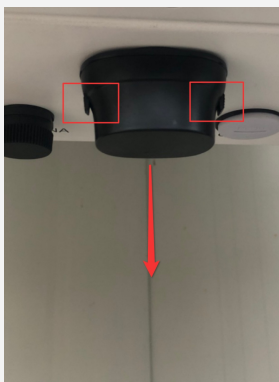
Please follow the instructions below:



### 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 insert the logger into the port directly.



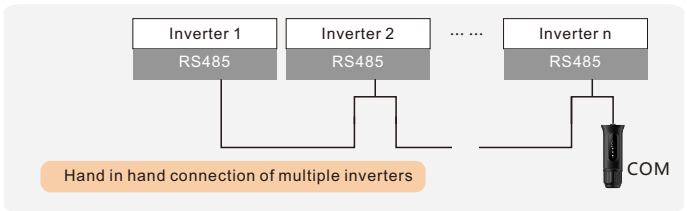
1



2

## 1.2 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.



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 01, 02, 03, 04...).

### **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

## 2.1 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

When all three lights are on, it means that the datalogger is working normally. Otherwise, please contact the manufacturer's customer service.

## 2.2 RESET Button Instruction

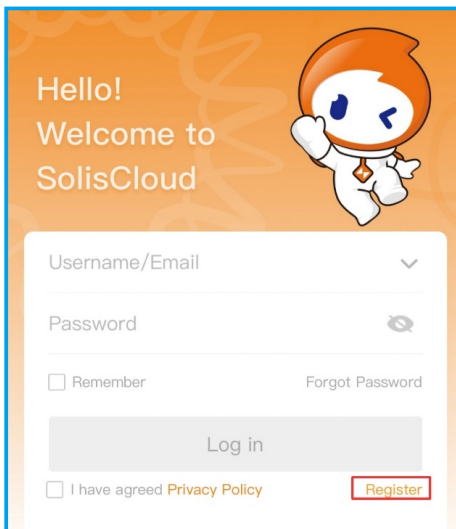
Operation	Instruction
Short press	Send an inverter real-time data to SolisCloud.
	Reconnect to the network when the logger's network is disconnected.
Long press for over 10 seconds (until the yellow and green lights go out)	Restore factory settings to erase memory data and network configuration information. (network reconfiguration is required after reset).

# 3 Create the SolisCloud Account

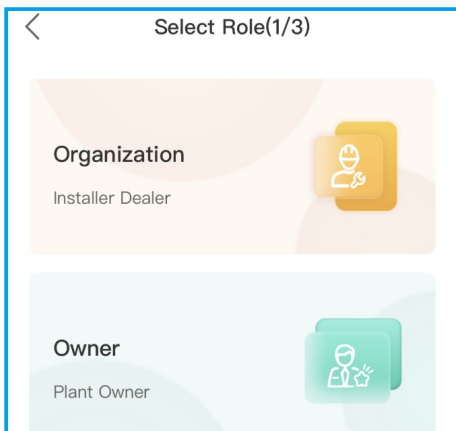
Step 1: You can download the SolisCloud mobile app by scanning the QR code or searching "SolisCloud" from APP Store or Google Play Store.



Step 2: Tap "Register".



Step 3: Select Owner or Organization for registration.



Step 4: Enter your email address and input the verification code you received in your email, then set up user name and password to complete the registration.

< Organization(2/3)

Note: If your organization has registered an account in SolisCloud, you do not need to register again. Please contact the administrator to add you as a sub-organization or member in organization management.

\* Registration Method

[Redacted]

[Redacted] 100S

\* I have agreed [Privacy Policy](#)

Previous Next

< Organization(3/3)

Note: If your organization has registered an account in SolisCloud, you do not need to register again. Please contact the administrator to add you as a sub-organization or member in organization management.

\* Email

[Redacted]

\* Organization (Company) Name

Input 2 to 60 characters

\* User Name

Enter username

\* Password

Password

Password Strength: ?

\* Confirm Password

Enter password again

\* Organization Code

9841F5

Previous Register

< Owner(2/3)

\* Registration Method

[Redacted]

[Redacted] 93S

\* I have agreed [Privacy Policy](#)

Previous Next

< Owner(3/3)


\* Email


[Redacted]

\* User Name


[Redacted]

\* Password

[Redacted] 

Password Strength:    Medium 

\* Confirm Password

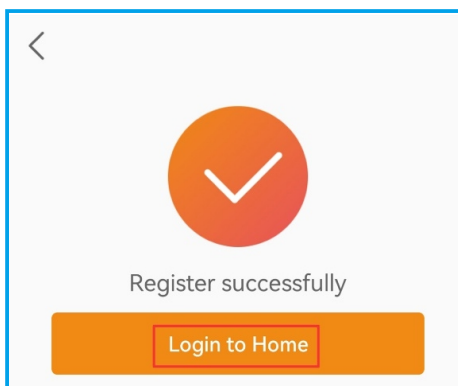
[Redacted] 

\* Time Zone

(UTC+08:00) PRC >

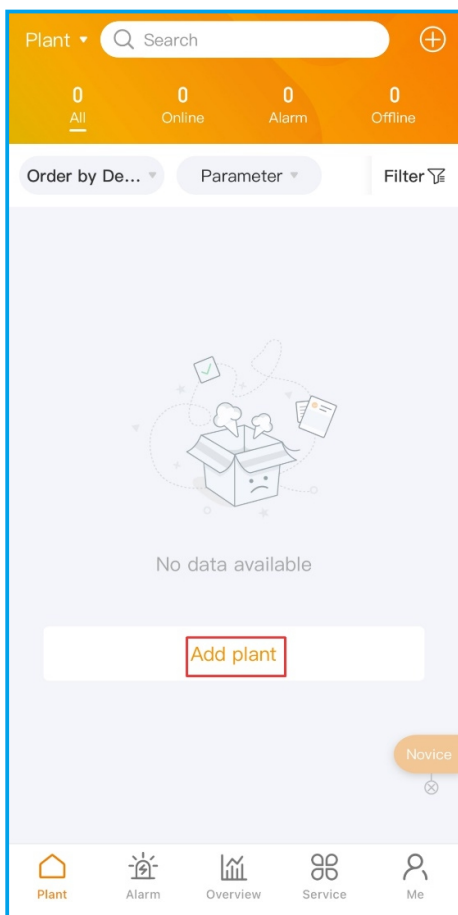
Previous Register

Step 5: Registration completed.



## 4 Create Plant

Step 1: Enter the home page of SolisCloud APP, click "Add Plant" in the middle of the page.





Step 2: Enter the plant details and then tap “Next”.

**Add Plant**

1 — 2 — 3 — 4  
Basic Information    Tariff Managem...    Associate account    More Information

\* Plant Name

\* Plant Type    Residential >

\* Capacity(kWp)

\* Area

\* Plant Address

\* Time Zone    (UTC+08:00) PRC >

\* Currency    USD >

Organization Code    Input Organization Code >

**Next**

**Add Plant**

✓ — 2 — 3 — 4  
Basic Information    Tariff Managem...    Associate account    More Information

Feed-in Tariff

\* Tariff Type    Fixed Tariff >

\* Tariff(USD/kWh)

Previous    **Next**

Company Tariff >

**Add Plant**

✓ — ✓ — 3 — 4  
Basic Information    Tariff Managem...    Associate account    More Information

Add Guest ?

Previous    **Next**

Step 3: Once the required information has been entered, tap “**Create Plant**”.

**Add Plant**

Progress: Basic Information ✓ — Tariff Management ✓ — Associate account ✓ — **More Information 4**

Installer Email: Input installer email

Installer Phone: Input installer Phone

Module: Input number of modules

Grid Interaction Type ? **Maximum Export >**

Grid Connection Time ? **Please select date >**

Plant Contact Phone: Input phone

Access Platform Time ? **Please select date >**

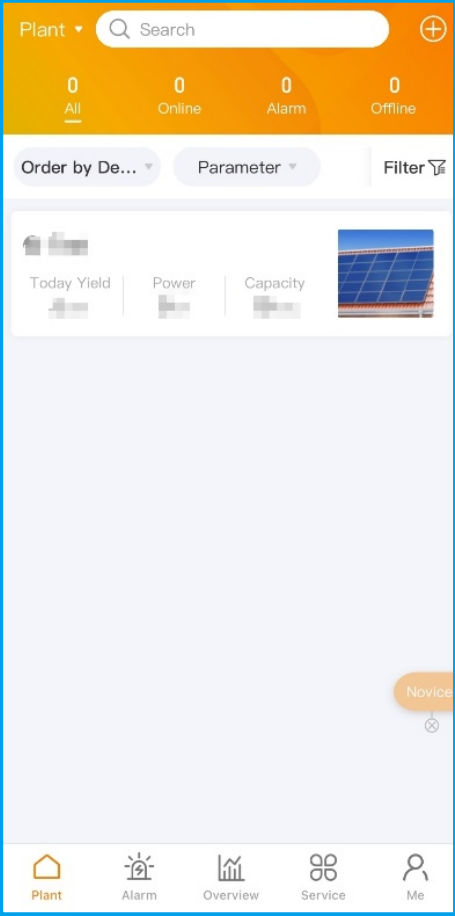
Plant Picture

+ (Add Image)

More Settings ?

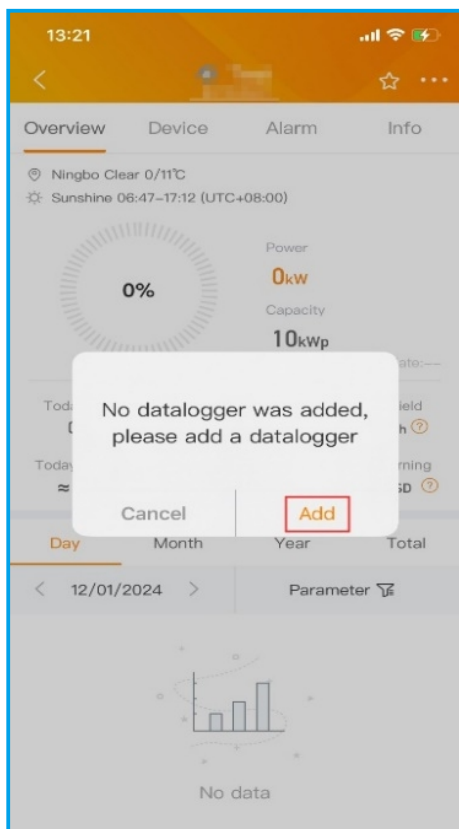
**Previous** **Create Plant**

Step 4: Plant creation completed. It will automatically enter the APP homepage.

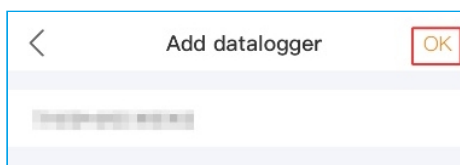


## 5 Bind the dataloggers

Step 1: Click on the plant to enter the plant home page. You will be prompted to add a datalogger, tap “Add” to add the logger.



Step 2: Scan the QR code on the logger or manually enter the SN of the logger. Then click "OK".

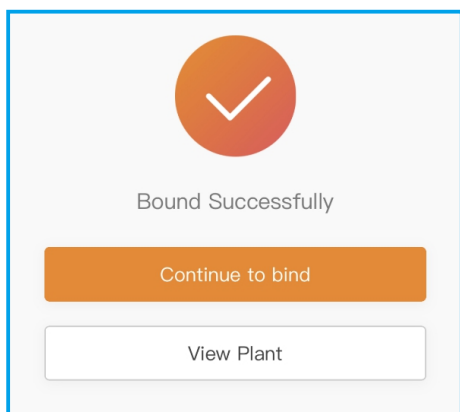


**NOTE**

Please make sure to input the logger serial number, not the inverter serial number.



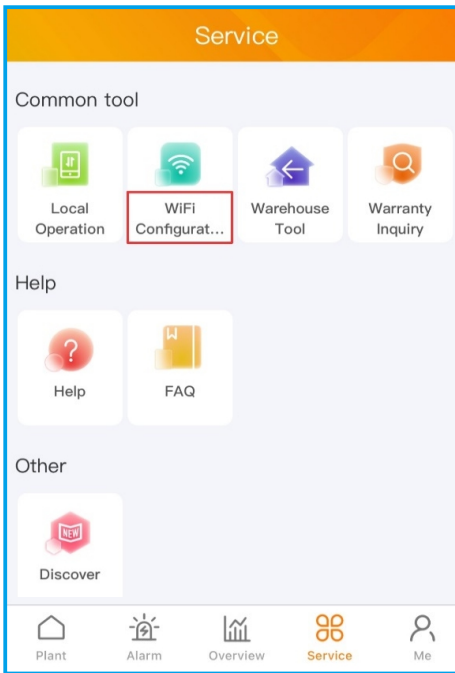
Step 3: Bound successfully. If the plant has multiple dataloggers, please click “Continue to bind” to bind other dataloggers.



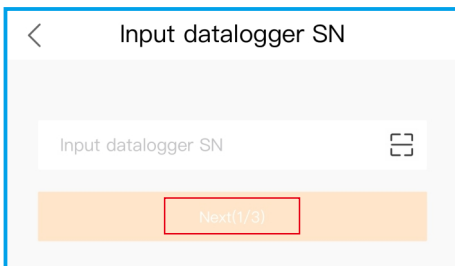
# 6 Network Configuration

## 6.1 WiFi Configuration by Bluetooth

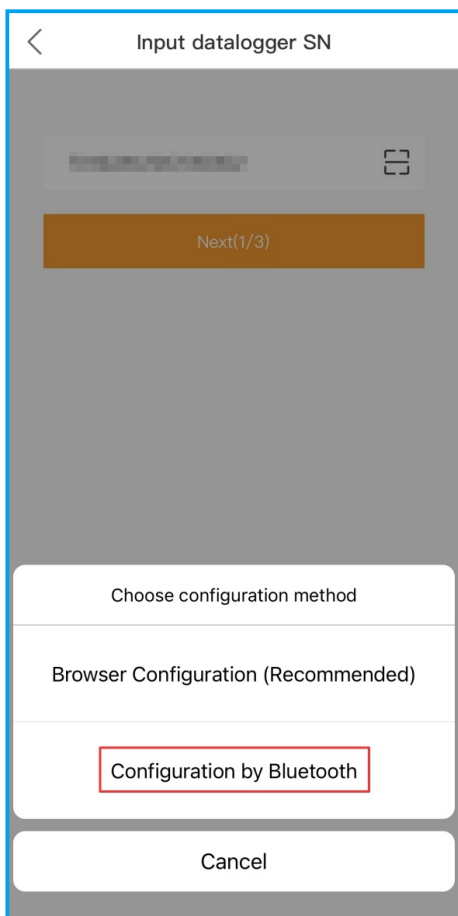
Step 1: Click “Service” page to enter “WiFi Configuration” in the toolbar.



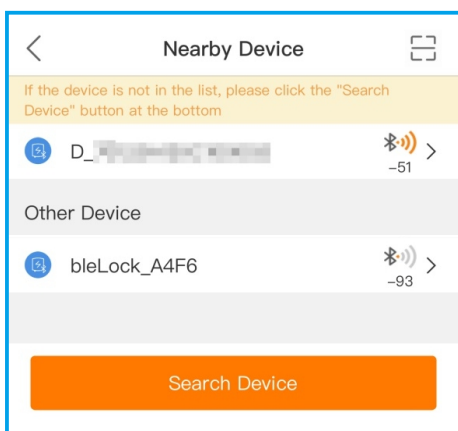
Step 2: Scan the QR code on the logger or manually enter the SN of the logger. Then click “Next”.



Step 3: Choose the configuration method, click " Configuration by Bluetooth ".

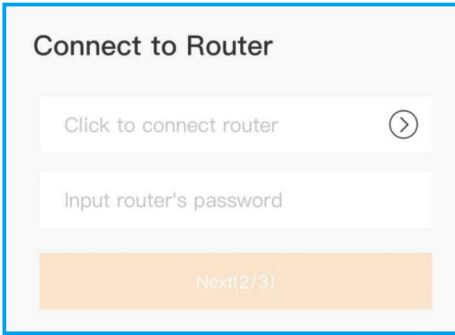


Step 4: Select the Device called "D\_serial number of the inverter".





Step 5: Click ">" to jump to the WLAN settings on your phone. Search for Local Area Network and then select the network you want to connect. Then switch back to the page to fill in the WiFi password, and move to next step.

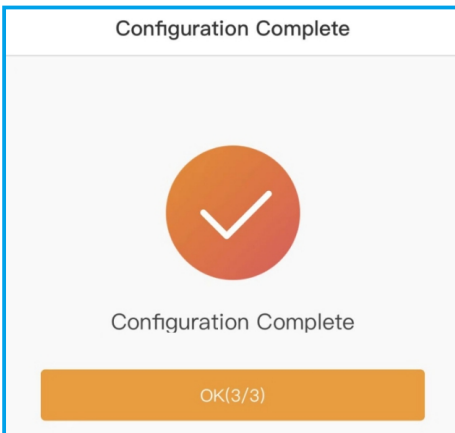


The screenshot shows a screen titled "Connect to Router". It features a text input field with the placeholder text "Click to connect router" and a right-pointing arrow icon. Below this is another text input field with the placeholder text "Input router's password". At the bottom of the screen is a large orange button labeled "Next(2/3)".



The screenshot shows the "WLAN" settings screen. At the top left is a back arrow and the word "Settings". At the top right is the title "WLAN". Below the title is a toggle switch for "WLAN" which is turned on. Underneath is a list of networks. The first network is selected with a blue checkmark and has a lock icon, a Wi-Fi icon, and an information icon. Below this is a section titled "MY NETWORKS" with another network entry that also has a lock icon, a Wi-Fi icon, and an information icon.

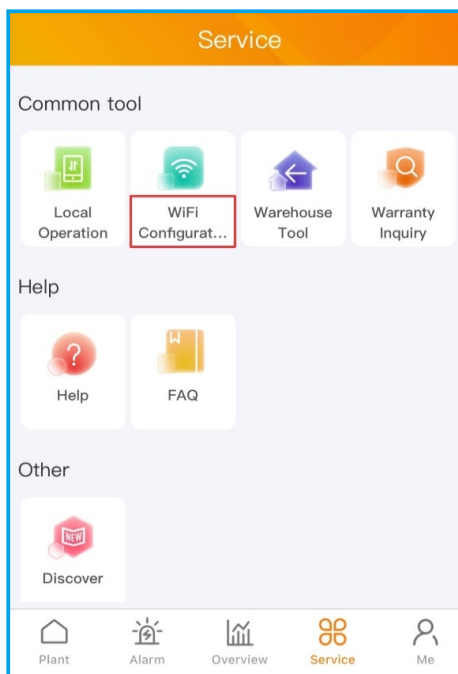
Step 6: Configuration Completed.



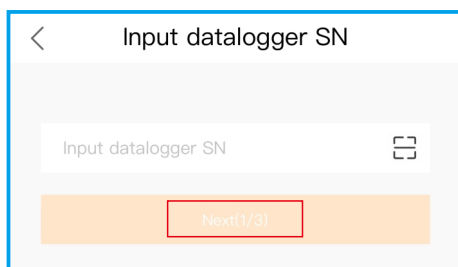
The screenshot shows a screen titled "Configuration Complete". It features a large orange circle with a white checkmark in the center. Below the circle is the text "Configuration Complete". At the bottom of the screen is a large orange button labeled "OK(3/3)".

## 6.2 WiFi Configuration by Browser

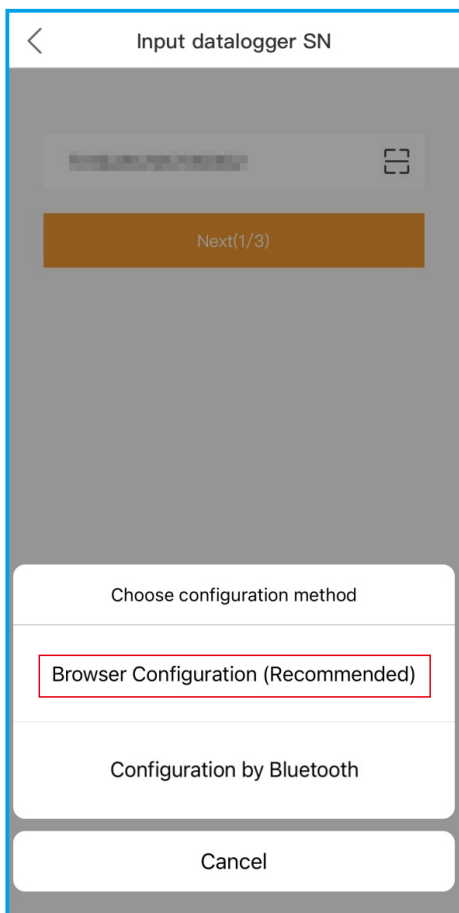
Step 1: Click “Service” page to enter “WiFi Configuration” in the toolbar.



Step 2: Scan the QR code on the logger or manually enter the SN of the logger. Then click “Next”.




Step 3: Choose the configuration method, click "Browser Configuration".



Step 4: Make sure that the green light flashes at intervals, then click "[I'm sure it is flashing](#)".

< Configuration Tip



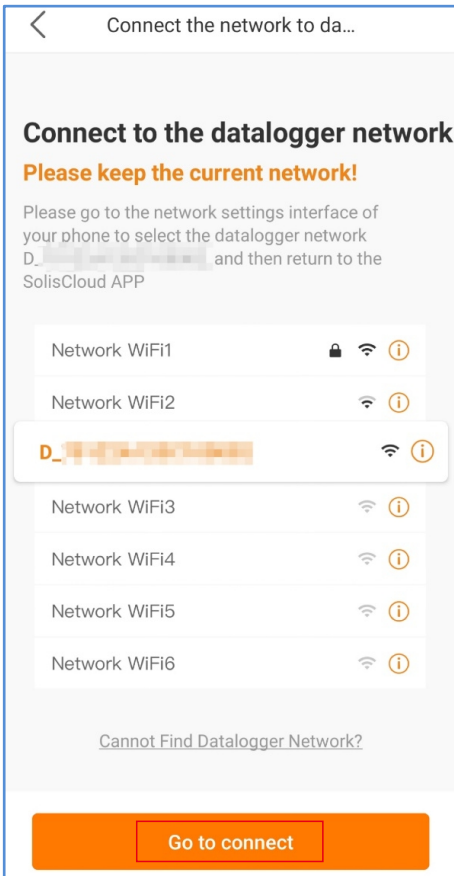
**Please turn on the configuration mode of the datalogger**

Plug the datalogger into the inverter and wait for the indicator light of the datalogger to be stable. That means, the red light on the datalogger keeps on, and the green light flashes every second, as shown in the figure above. Then you can start connecting to the WiFi signal of the logger, click to "[view the tutorial](#)":

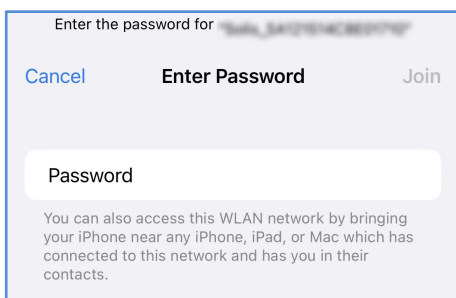
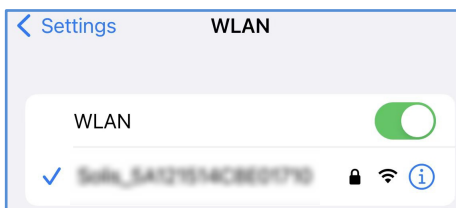
- (1) Make sure that the green light of the datalogger flashes at intervals. If the WiFi signal is not found, try re-plug the datalogger;
- (2) If the WiFi signal still can not be found, please long-press the datalogger for over 10 seconds to restore to the default setting, wait for the indicator light of the datalogger to be stable, and click to [view the tutorial](#);
- (3) If the datalogger is connected to the network, but the network needs to be changed, please follow the method 2
- (4) If the network is not found after multiple attempts of the above methods, please replace the datalogger.

[I'm sure it is flashing](#)

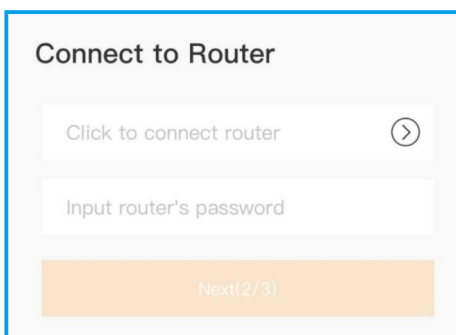
Step 5: Click "[Go to connect](#)"(For Android system) or anywhere on the page(For IOS system) to jump to the WLAN settings on your phone.



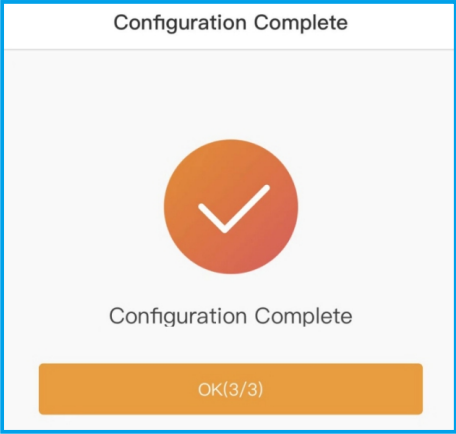
Step 6: Search for Local Area Network and select the network called “D\_serial number of the datalogger”. Enter the default password “123456789”, then return to APP.



Step 7: Click”>”, make sure the phone is connected to router WiFi and switch back to the page to fill in the WiFi password, then move to next step.



Step 8: Configuration Completed.



## Contact

Please contact us if you have any technical problems in terms of the product. Please provide the following information as well:

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

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