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 4-pin COM port of the inverter. A Solis 5K inverter is used here as an example.
Please follow the instructions below:

Install the datalogger:

Step 1: Remove the plastic protective cap from the inverter COM port.
Step 2: Match the joint, and then insert the datalogger to the inverter COM port.
Step 3: Rotate the black ring in clockwise.
(Only rotate the black ring at the connection end, not rotate the main body.)

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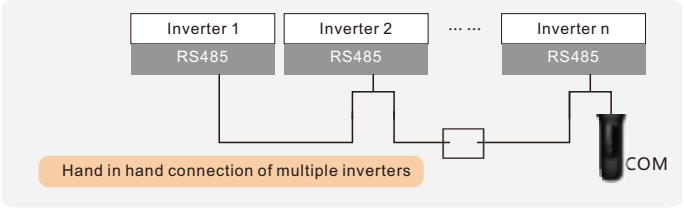
1.2 Install with multiple inverters

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 lighting 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

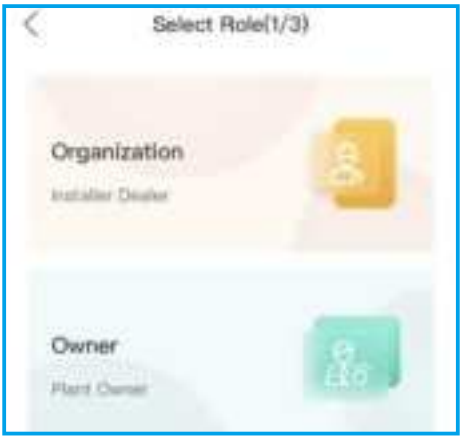
Operation	Instruction
Short press	Send an inverter real-time data to SolisCloud.
	Reconnect to the network when the logger's network is disconnected.
Long press for over 10 seconds (until the yellow and green lights go out)	Restore factory settings to erase memory data and network configuration information.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

3 Create the SolisCloud Account

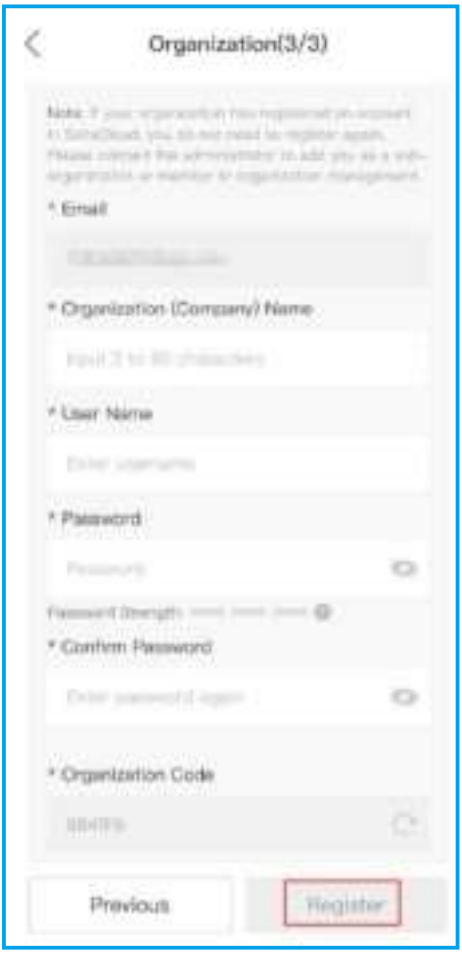
Step 1: You can download the SolisCloud mobile app by scanning the QR code or searching "SolisCloud" from APP Store or Google Play Store.

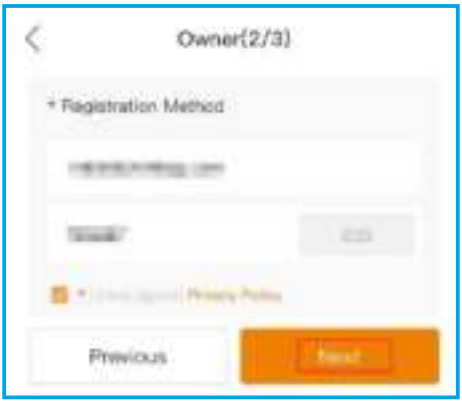
Step 2: Tap "Register".

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.




Owner(2/3)
* Registration Method
Previous

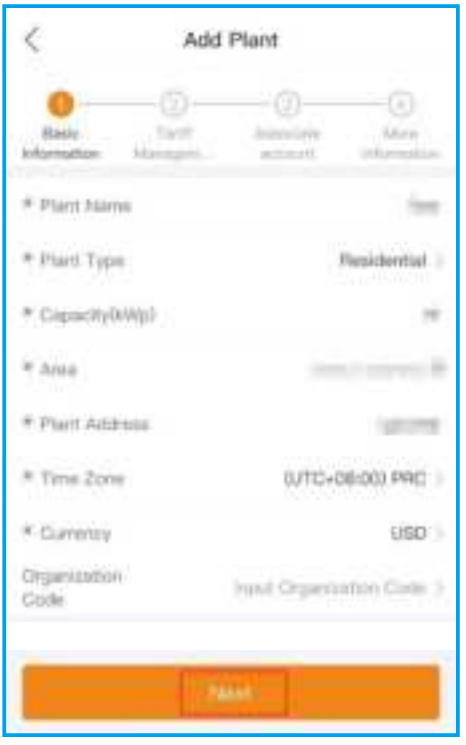

Owner(3/3)
* Email
* User Name
* Password
* Confirm Password
* Time Zone
Previous

Step 5: Registration completed.

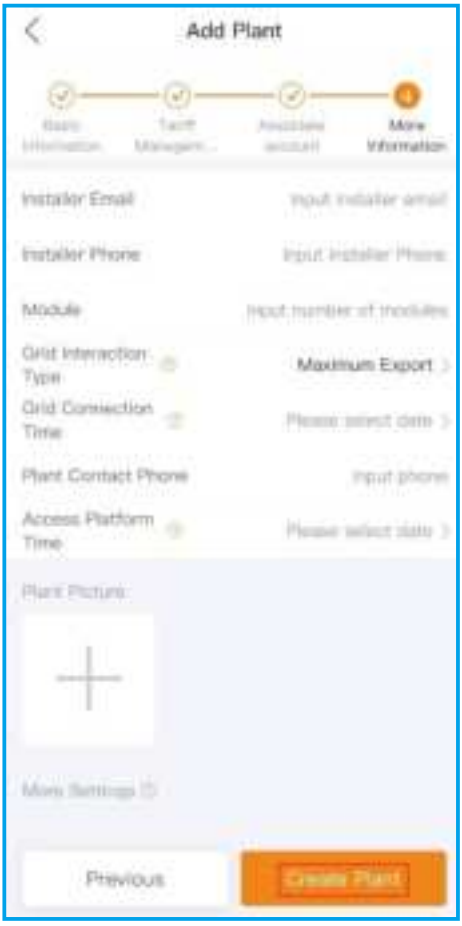
4 Create Plant

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”.



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

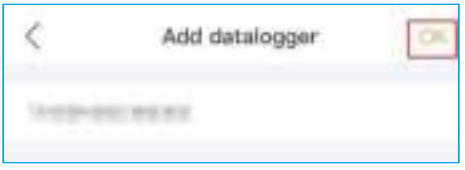


Step 4: Plant creation completed. It will automatically enter the APP homepage.

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.

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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

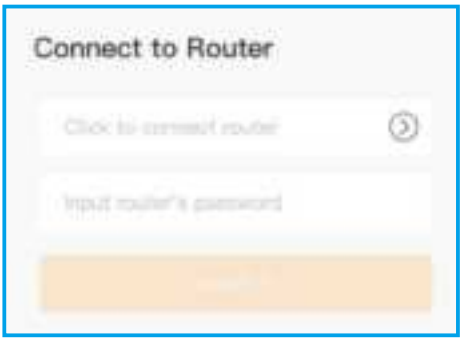
Step 1: Click “Service“ page to enter "WiFi Configuration” in the toolbar.

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.



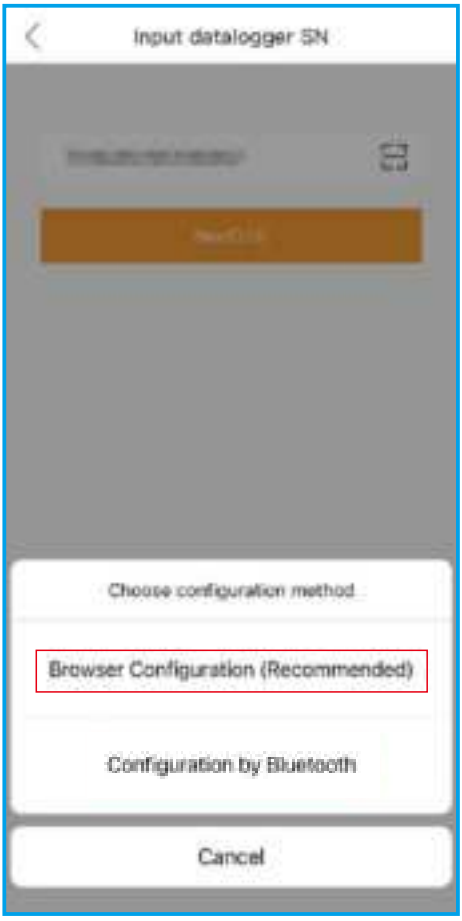
Step 6: Configuration Completed.

6.2 WiFi Configuration by Browser

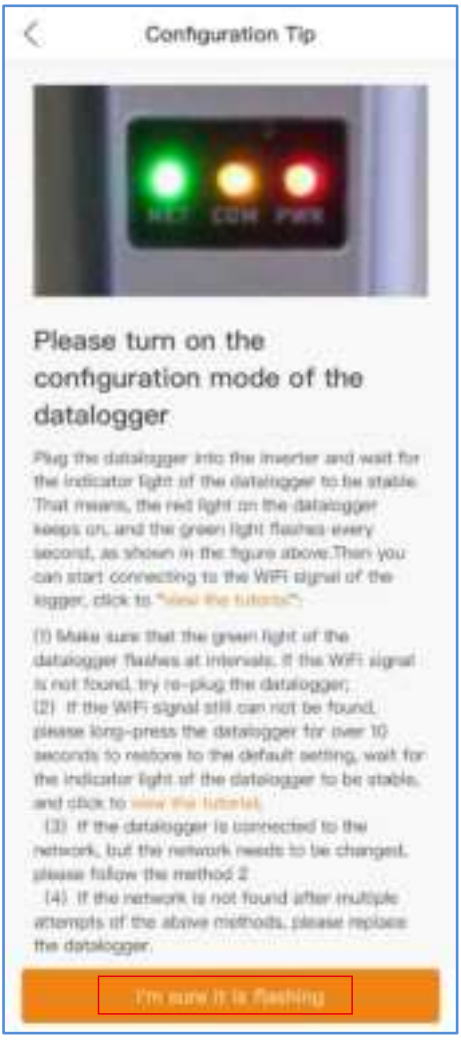
Step 1: Click “Service“ page to enter "WiFi Configuration” in the toolbar.

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

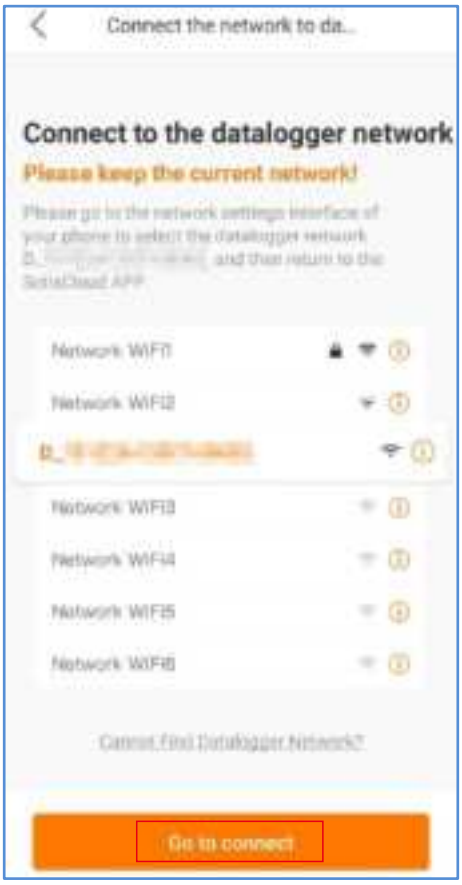
Step 3: Choose the configuration method, click "Browser Configuration".



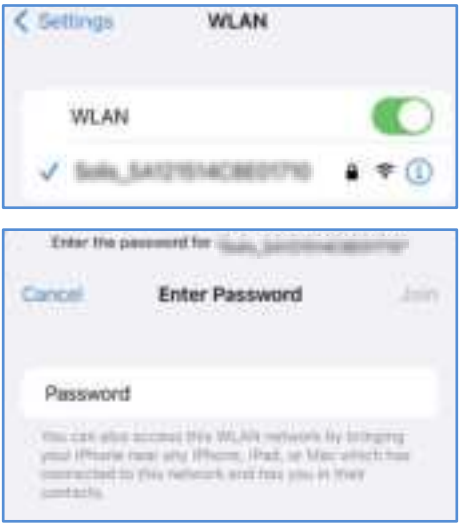
Step 4: Make sure that the green light flashes at intervals, then click "I'm sure it is flashing".



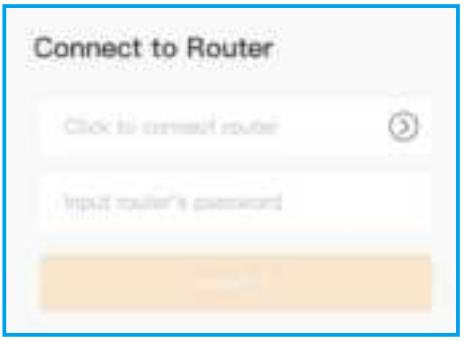
Step 5: Click "Go to connect"(For Android system) or anywhere on the page(For IOS system) to jump to the WLAN settings on your phone.



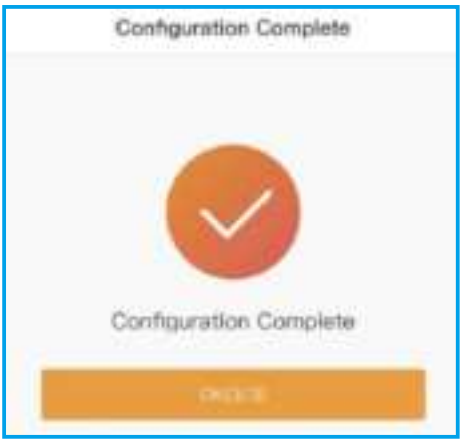
Step 6: Search for Local Area Network and select the network called “D_serial number of the datalogger”. Enter the default password “123456789”, then return to APP.



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.



7 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 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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