WiFi Stick Datalogger Quick Installation Manual

Version: 4.2

Delivery Content
- 1 WiFi stick
- 1 Quick Installation Manual

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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:

Match the point

Install the datalogger:
1. Press both sides of the protective cover and open the inverter USB port protective cover.
2. Align the WiFi datalogger with the USB port groove of the inverter and install it directly.

3. 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 "daisy chain" manner.

Daisy chain connection of multiple inverters
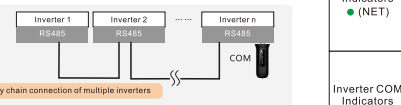
4. After the datalogger is installed on the inverter, if the inverter is powered on, you need to set the inverter slave address, the first inverter is "01", the second inverter is "02". And so on.

※ NOTE
1. 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. The [RESET] button on the back is used for connection.
Short press will send the data immediately.
Long press for 5 seconds will enter into config mode for connection router.
Long press for 10 seconds will reset the connection.
The three constantly ON LED lights indicate the datalogger is working normally.
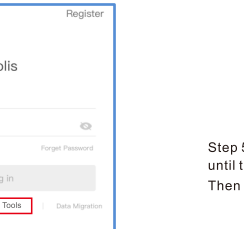
LED Lights Status:

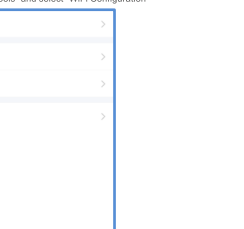| LED Indicators	Description	LED Status	Meanings
Internet Indicators ● (NET)	Shows the connection status between the datalogger and the server	Flashing	Trying to connect with server
		ON	Successfully connected
		OFF	Abnormal connection
Inverter COM Indicators ● (COM)	Shows the connection status between 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 not powered up normally

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2 WiFi Configuration

Step 1: Use your phone to scan the QR code to download and register the Solis Cloud APP. Or directly download from APP Store or Google Play Store by searching "Solis Cloud".

Input datalogger SN

Input datalogger SN

Solis Cloud

Step 2: If it is a new datalogger, please configure it first, then click the "WiFi configure".

Hello,
Welcome to Solis

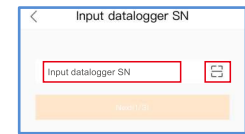**Step 3:** Manually input datalogger SN or Scan the SN on the datalogger.

Step 4: 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.

Connect to route
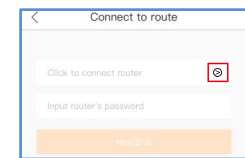
Step 5: Long press the "Reset" button for 5 seconds until the yellow and green LEDs are quickly flashing. Then click the "It's flashing".

Start to configure
Please open the configuration mode of the collector.

Long press for 5 seconds. Yellow and green lights flash simultaneously.

If you have logged in, please click "Tool" to enter "WiFi Configuration".

Step 6: Wait for around 10 seconds. After the configuration completed, click "OK" and back to the main page, then skip to 3.
If multiple re-do the configuration still fail, please perform web configuration.

Configuring...

Configuration succeeded

Configuration succeeded
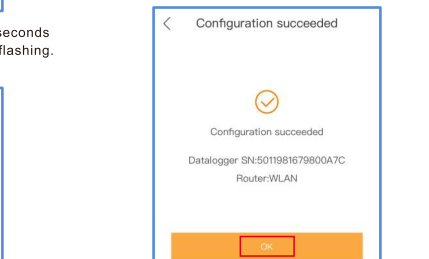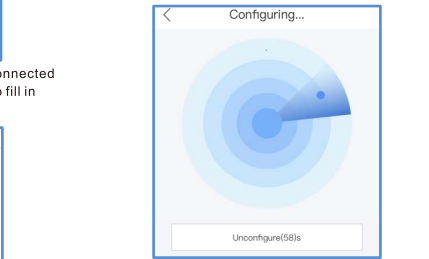
Step7: The wireless device (mobile phone or laptop) connects to the datalogger hotspot (Solis_serial number). The Password is 123456789

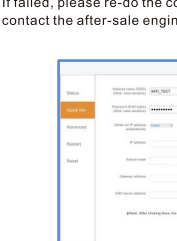| Settings	WLAN
WLAN	
✓ Solis_50121408EC70...	

Step8: Open a web browser, enter 10.10.100.254, fill in the Username and Password, click Log in.
Username: admin
Password: 123456789

Log in to 10.10.100.254
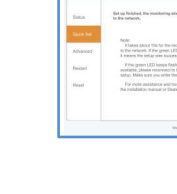Your password will be sent unencrypted.
Username: admin
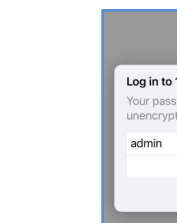
Step9: Select Quick Set, search the router WIFI, and enter the password. Click Save, and appears the setting success interface.
If failed, please re-do the configuration process or contact the after-sale engineers.

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3 Create the Solis Cloud Account

Step 1: Click the "Register".

Hello,
Welcome to Solis
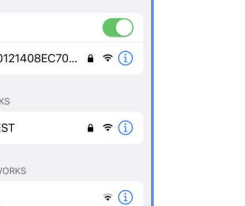
Step2: Enter the email to get the verification code, then enter your account and password, last click the "Register".

Step2: Select Owner or Organization for email address registration.

Choose role

What is your role?

Owner Register

Organization
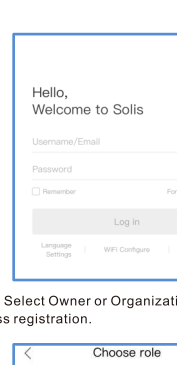
Organization Register

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4 Create Plant

Step1: Enter the main page of Solis Cloud APP, click "+" at the top right corner and select "Add plant".
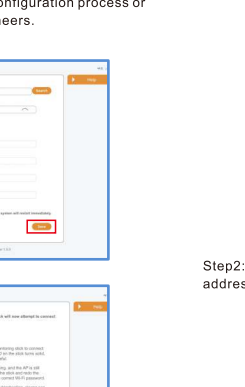
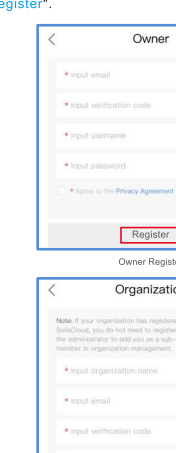**Step 2:** Input the information of the plant as required. Then click "Done".

Create Plant

Owner

Organization

Step 3: Confirm the plant information. Click "Create plant".

Create plant

Create successfully.

No collector was added, please add a collector.

Add datalogger

Step 4: Click "View plant" to enter the plant homepage , then add the datalogger.

Add datalogger

Note: Scan the datalogger SN, NOT the inverter SN.

Step 5: Scan the SN number of the datalogger or manually input it.

Binded successfully
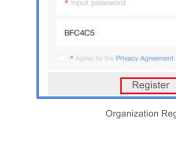
Step 6: Plant creation succeeds.Click "Confirm - datalogger" to check the monitoring data. If the plant has multiple dataloggers, please click "View Plant".

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5 FCC Certification
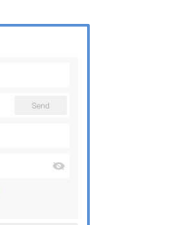
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
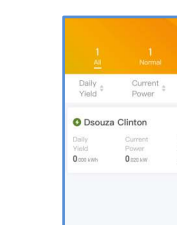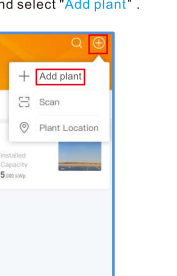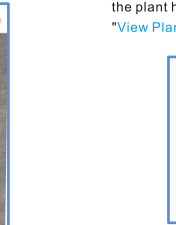
FCC warning:
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.
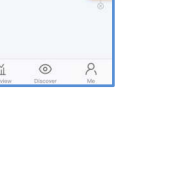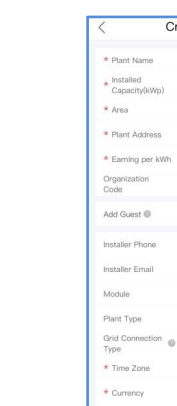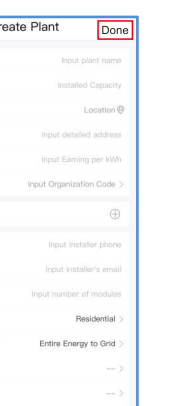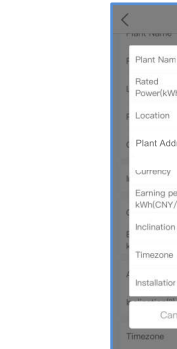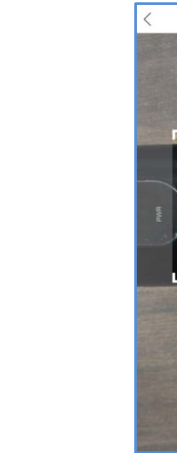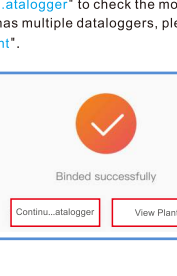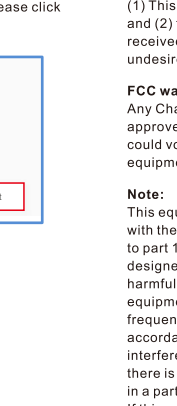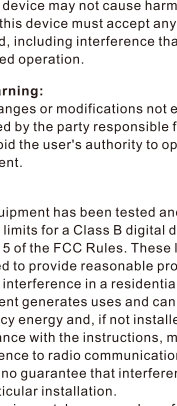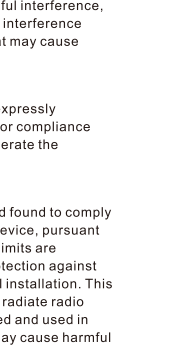-Consult the dealer or an experienced radio/TV technician for help.

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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