



WiFi Stick Datalogger Quick Installation Manual

Version: 3.6



Delivery Content

- 1 WiFi stick
- 1 WiFi Antenna
- 1 Quick Installation Manual

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:

1. Install the antenna to the datalogger.
2. Match the joint, and then insert the datalogger to the inverter COM port.
3. Rotate the black ring in clockwise.



2



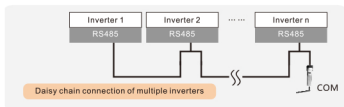
3

NOTE

Only rotate the black ring at the connection end, not rotate the silver cover.

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 "daisy chain" 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 (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

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

Button Instruction:

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.

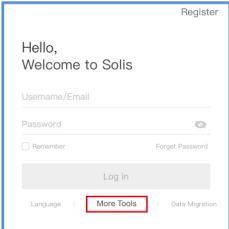
The three constantly ON LED lights indicate the datalogger is working normally.

3-WiFi Configuration

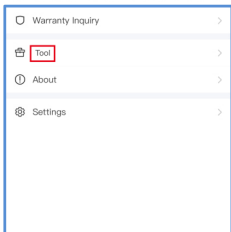
Step 1: Use you phone to scan the QR code to download and register the Solis Cloud APP. Or directly download from APP Store or Google Play Store by searching "Solis Cloud".



Step 2: If it is a new datalogger, please configure it first, then click the ["WiFi Configuration"](#).

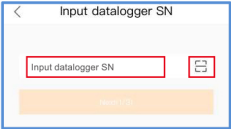
The image shows the login interface of the Solis Cloud app. At the top right is a 'Register' link. The main text says 'Hello, Welcome to Solis'. Below this are input fields for 'Username/Email' and 'Password'. There is a 'Remember' checkbox and a 'Forget Password' link. A 'Log in' button is centered below the password field. At the bottom, there are three links: 'Language', 'More Tools' (which is highlighted with a red box), and 'Data Migration'.

Unlogged account, click on "More Tools" and select "WiFi Configuration"



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

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

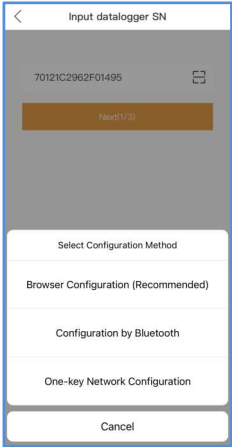


Input datalogger SN

Input datalogger SN

Next(1/3)

Step 4: Choose the configuration method, recommended click "[Browser Configuration](#)".



Input datalogger SN

70121C2962F01495


Next(1/3)

Select Configuration Method


- Browser Configuration (Recommended)
- Configuration by Bluetooth
- One-key Network Configuration

Cancel

Step 5: Long press the "Reset" button for 5 seconds until the yellow and green LEDs are quickly flashing. Then click the "[I'm sure it is flashing](#)".



Configuration Tip



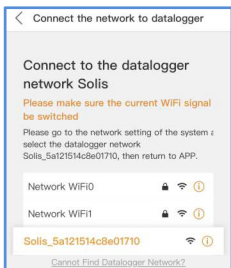
Please turn on the configuration mode of the datalogger

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.

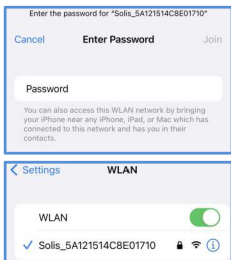
I'm sure it is flashing

Step 6: Connect to the datalogger network Solis.



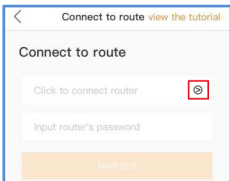
Step 7: The wireless device(mobile phone or laptop) connects to the datalogger hotspot([Solis_serial number](#)).

The default password is **123456789**.




After that, return to APP.

Step 8: 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 [view the tutorial](#)

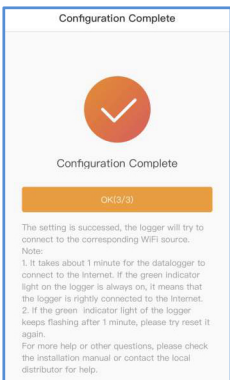
Connect to route

Click to connect router 


Input router's password

Next(2/3)

Step 9: Configuration Complete.



Configuration Complete



Configuration Complete

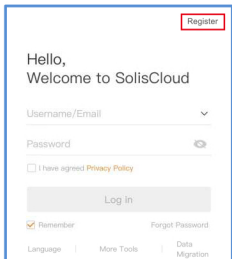
OK(3/3)

The setting is succeeded, the logger will try to connect to the corresponding WiFi source.
Note:
1. It takes about 1 minute for the datalogger to connect to the Internet. If the green indicator light on the logger is always on, it means that the logger is rightly connected to the Internet.
2. If the green indicator light of the logger keeps flashing after 1 minute, please try reset it again.
For more help or other questions, please check the installation manual or contact the local distributor for help.

4

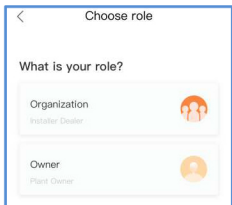
Create the Solis Cloud Account

Step 1: Click the "Register".



The registration form for SolisCloud is displayed within a blue border. In the top right corner, there is a red-bordered button labeled "Register". The main heading reads "Hello, Welcome to SolisCloud". Below this, there are two input fields: "Username/Email" with a dropdown arrow on the right, and "Password" with an eye icon on the right. Under the password field, there is a checkbox labeled "I have agreed" followed by a link to the "Privacy Policy". A grey "Log in" button is positioned below the checkbox. At the bottom left, there is a checked checkbox labeled "Remember". At the bottom right, there is a link for "Forgot Password". The footer contains three links: "Language", "More Tools", and "Data Migration".

Step2: Select Owner or Organization for email address registration.



The "Choose role" screen is shown within a blue border. It features a back arrow in the top left and the title "Choose role" at the top center. The question "What is your role?" is displayed. There are two selectable options, each in a light blue box with a rounded rectangle. The first option is "Organization" with the subtext "Installer Dealer" and an icon of three people. The second option is "Owner" with the subtext "Plant Owner" and an icon of a single person.

Step3: Enter the email to get the verification code, than enter your account and password, last click the "Register".

Owner

* Registration Method

input email

input verification code

Send

* User Name

input 2 to 60 English letters, not pure n...

* Password

input 6 to 32 letters, symbols and...

* Time Zone

(UTC+08:00) PRC

☐ * I have agreed [Privacy Policy](#)

Register

Owner Register



Organization

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

* Organization (Company) Name

Input 2 to 60 characters

* Registration Method

Input email

Input verification code

Send

* User Name

Input 2 to 60 English letters, not pure n...

* Password

Input 6 to 32 letters, symbols and...



* Organization Code

541248



* Time Zone

(UTC+08:00) PRC



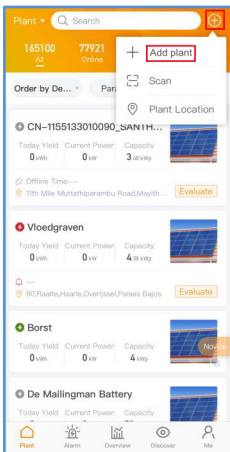
☐ * I have agreed [Privacy Policy](#)

Register

Organization Register

5 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

Done

* Plant Name

Input plant name 2-60...

* Plant Type

Select Plant Type >

* Installed Capacity(kWp)

Input the total capacity...

* Area

Location 📍

* Address

Input detailed address

* Time Zone

— >

* Currency

USD >

* Earning per kWh(USD/kWh)

Input Earning per kWh

Organization Code

EF1E1F >

Set Owner 📍 >

Add Guest 📍 ⊕

Installer Email

Input installer email

Installer Phone

Input installer Phone

Module

Input number of modules

Grid Connection Type 📍

Entire Energy Exported >

Plant Contact Phone

Input phone

Plant Picture

More Settings 📍

Azimuth

0°

Inclination

30°

Remark 1

Input remark

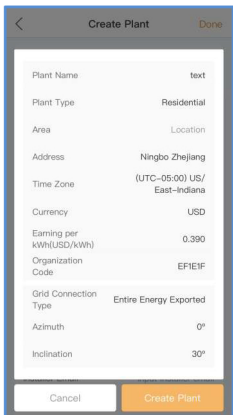
Remark 2

Input remark

Remark 3

Input remark

Step 3: Confirm the plant information.
Click "[Create plant](#)".

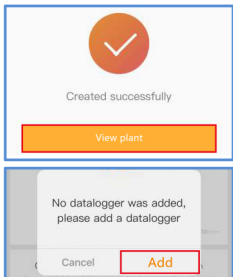


The screenshot shows a mobile app interface for creating a plant. At the top, there is a navigation bar with a back arrow on the left, the title "Create Plant" in the center, and a "Done" button on the right. Below the navigation bar is a form with various fields. The fields are arranged in a list-like structure. The first field is "Plant Name" with a "text" input type. The second field is "Plant Type" with a dropdown menu showing "Residential". The third field is "Area" with a dropdown menu showing "Location". The fourth field is "Address" with a text input showing "Ningbo Zhejiang". The fifth field is "Time Zone" with a dropdown menu showing "(UTC-05:00) US/East-Indiana". The sixth field is "Currency" with a dropdown menu showing "USD". The seventh field is "Earning per kWh(USD/kWh)" with a text input showing "0.390". The eighth field is "Organization Code" with a text input showing "EF1E1F". Below these fields is a section for "Grid Connection Type" with a dropdown menu showing "Entire Energy Exported". The ninth field is "Azimuth" with a text input showing "0°". The tenth field is "Inclination" with a text input showing "30°". At the bottom of the form are two buttons: "Cancel" and "Create Plant".

Plant Name	text
Plant Type	Residential
Area	Location
Address	Ningbo Zhejiang
Time Zone	(UTC-05:00) US/East-Indiana
Currency	USD
Earning per kWh(USD/kWh)	0.390
Organization Code	EF1E1F
Grid Connection Type	Entire Energy Exported
Azimuth	0°
Inclination	30°

Cancel Create Plant

Step 4: Click "[View plant](#)" to enter the plant homepage , then add the datalogger.



The first screenshot shows a success message. At the top is a large orange circle with a white checkmark. Below it is the text "Created successfully". At the bottom is a large orange button with the text "View plant".

Created successfully

View plant

The second screenshot shows a dialog box with the text "No datalogger was added, please add a datalogger". At the bottom of the dialog box are two buttons: "Cancel" and "Add".

No datalogger was added,
please add a datalogger

Cancel Add

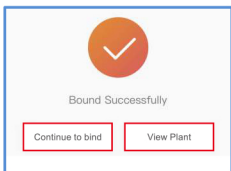
Step 5: Scan the datalogger SN QR code or manually input it.



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



Step 6: Plant creation succeeds. Click "[Continue to bind](#)" to check the monitoring data. If the plant has multiple dataloggers, please click "[View Plant](#)".



6 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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