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SOLARMAN CSCU-ST-WF01 Wifi Smart Stick Logger Installation Guide

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Statement

Please read this guide carefully before using the product, and keep it in a place where maintenance personnel can easily find it. Due to product version upgrades or other reasons, the content of this document may be updated from time to time. Users should refer to the actual product purchased and can download the latest version of the manual materials through the official website or sales channels. Unless otherwise agreed, this document is intended as a guide only. All statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied. Without the written permission of the company, no entity or individual may extract, copy, or disseminate the contents of this document in any form.

⚠️ **NOTE: Precautions for installing the data logger: insert and remove the data logger after power is off.**

This product bears the selective sorting symbol for Waste electricaland electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

Install Data Logger
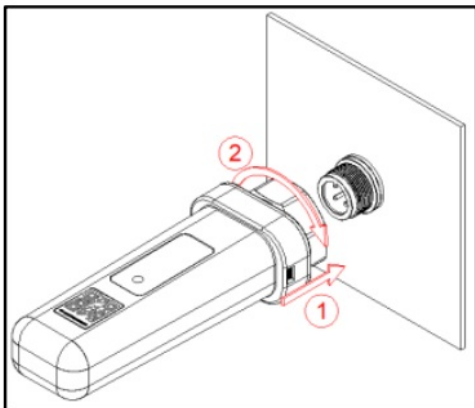
1. **Installation Steps**

   Step 1 Find the communication interface on the inverter and unscrew the protective cap

   Step 2 Insert the data logger along the interface guide slot

   Step 3 Tighten the fastening nut clockwise.

2. **WIFI Network Configuration**

   Connect the data logger to the WIFI network according to the steps of

   "Data Logger WIFI Network Configuration" in the APP User Guide. After the network connection is successful,

   the subsequent function confirmation can be performed.

3. **Confirmation of Data Logger Status**

   1. Confirm the status of the data logger through the indicator light

Color	Status	Note	Description
–	Dark	not powered on	data logger is not tightened or powered on
Yellow ●	Steady on for **5s**	power-on initialization	data logger is in a power on initialization state
Green ●	Blinking 1s on 1s off	normal operation	communication with server and inverter is normal
Yellow ●	Blinking 1s on 1s off	error state	communication with the server is abnormal
Red ●	Blinking 1s on 1s off	error state	communication with the inverters abnormal
	Steady on	error state	communication with the inverter and server is abnormal

4. **Abnormal Status Handling**

If there is any abnormal platform data, please refer to the table below and complete simple troubleshooting based on the status of the LED lights. If the fault cannot be resolved or the indicator light fault status is not reflected in the table below, please contact after-sales service for assistance.

(NOTE): Use the following table one minute after the WIFI network is configured successfully

Color	Status	Note	Quick Troubleshooting
Yellow ●	Blinking 1s on 1s off	error state	Check the WIFI connection status. If it cannot be solved, please contact the distributor.
Red ●	Blinking 1s on 1s off	error state	Check if the connection between the data logger and the photovoltaic equipment is normal.
	Steady on	error state	1. Check if the connection between the data logger and the photovoltaic equipment is normal;2. Check the WIFI connection status. If it cannot be solved, please contact the distributor.

5. Data Logger One-to-many Installation (only ScU-ST-WFP01 is supported)

If you need to collect data on multiple inverters, connect them in daisy chain mode using an RS485 communication cable by referring to the Communication Connection section in the inverter user manual.
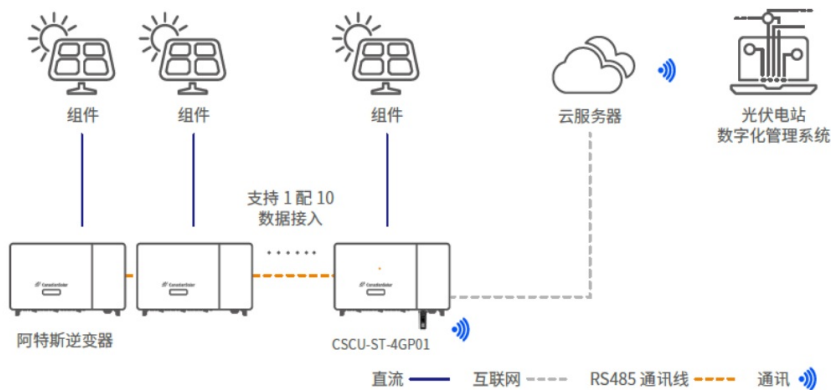
If you have any questions about the use or quality of our products, please contact us and provide the following information

- data logger model and serial number
- connected inverter model and serial number
- problem description

⚠️ Please ensure that the data logger is working properly before leaving the site. If any abnormal conditions are found, please contact your distributor as soon as possible

APP User Guide

APP Download

Please scan the following QR code to download

You can also log in **https://smartenergy.csisolar.com** to use web version.

APP Guide

NOTE: The screenshot of the APP is for reference only. Please refer to the actual interface.

1. **Register & Log in**

   After entering the APP, please click the "Register" button to register the account.

If you are a power station owner or end user, set the user type to individual. If you are engaged in the photovoltaic industry dealers, equipment, operation and maintenance business, please select the user type as business.

2. **Data Logger WIFI Network Configuration**

Connect the mobile phone to the target WIFI network in advance. On the login page, click on "More Tools" and select the "WIFI Configuration" option. Follow the prompts to scan the data logger QR code to enter the WIFI configuration page. Enter the account password of the WIFI router for network configuration. (Bluetooth needs to be turned on for distribution phones)

NOTE Only supports 2.4GHz WIFI networks, not 5GH.
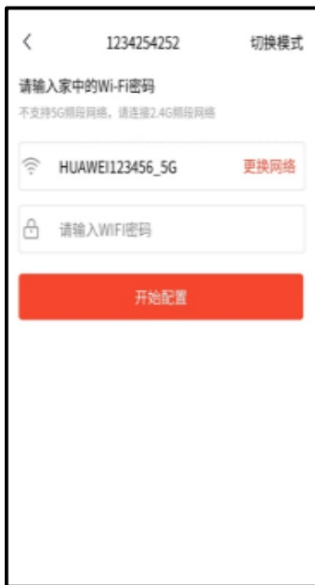
3. **Create the Power Station**

   As shown in the following figure, click on "Monitoring" below to enter the monitoring page. Click on "+" in the upper right corner and fill in the information according to the prompts to start creating your photovoltaic power station. After creation, the monitoring page will display your power station information.

4. **Add Data Logger**

   After entering the power station, click on the "…" icon in the upper right corner, and a function page will pop up below. Select the associated device and go to the associated device page. You can manually enter the serial number of the data logger or scan the QR code of the serial number on the data logger to add it. The serial number is usually located on the packaging box of the device. If the packaging box has been lost, you can also find the code on the data logger body.

5. **Check Information**

After adding a data logger, you can view the data in your power station, and click on the power station to view the details. If it is difficult to find the power station you need due to the large number of power stations, you can search in the upper right corner of the 🔍 monitoring column based on the name.

Part 15 B:

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. CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Part 15C

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.

RF exposure warning

RF exposure warning This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Endusers and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Documents / Resources

SOLARMAN CSCU-ST-WF01 Wifi Smart Stick Logger [pdf] Installation Guide
CSCU-ST-WF01, CSCU-ST-WFP01, CSCU-ST-WF01 Wifi Smart Stick Logger, Wifi Smart Stick Logger, Smart Stick Logger, Stick Logger, Logger

References

- **smartenergy.csisolar.com**
- **smartenergy.csisolar.com/**
- **User Manual**