solis

Data Logger RF Stick
Quick User Guide

DLS Version: 1.0

Delivery Content
- 1 PC RF Stick
- 1 PC RF external antenna
- 1 PC Data Logger RF Stick Quick User Guide

1 Electrical Connection

Connect RF stick to the corresponding interface on the inverter. Solis-1P5K-4G is used as an example in this manual. Please perform relevant operations as indicated below:

Corresponding groove
Data Logger RF stick Interface

Data Logger RF stick Installation
1. Insert RF Stick to COM port.
2. Fasten the RF Stick.
3. Only rotate the black circle, not the sliver cover.

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📖 NOTES
Installation Requirements: Max. distance between RF gateway and RF logger without shelter is 200m.
Through-wall Ability: 2 reinforced concrete walls (15cm) at max., total distance is less than 20m.

2 Usage Methods and Notices for Reset Button

1. Usage methods and key-press descriptions for reset button.

2. Do not remove waterproof plug.

3 Logger Status

Lights	Implication	Status Description
● RUN	System Running Status	FLASH: Normal Running ON/OFF: Abnormal
● COM	Communication status with inverter	ON: Connected OFF: Fail to connect
● RF	Communication status with RF Gateway	ON: Connected (Please make sure both logger and RF gateway are powered on.) OFF: Fail to connect

Normal operation:
1. Power on 3s, RUN/SER/RF light will flash at the same time and extinguish.
2. Around 6s, RUN light will flash, and system runs normally.
3. Around 60s, COM light will keep on, and Llogger has conneted to inverter.
4. Around 10s-3mins, RF light will keep on, and RF gateway has connected to RF sub-device. (Connection time varies according to different situation.)

4 Abnormal State Processing

If the data on platform is abnormal when the stick logger is running, please check
the table below and according to the status of indicator lights to complete a simple
troubleshooting. If it still can not be resolved or indicator lights status do not show in
the table below, please contact Customer Support.
(Note: Please using the following table query after power-on for 3min at least.)

Lights		
• RUN(Flash)	• COM(OFF)	• RF(ON)
Fault Fault Cause Description		
Comminicate with inverter abnormal		
Fault Cause		
1. Connection between stick logger and inverter loosen. 2. Inverter does not match with stick logger's communication rate.		
Solution		
1. Check the connection between stick logger and inverter. Remove the stick logger and install again. 2. Check inverter's communication rate to see if it matches with stick logger's.		

Lights		
• RUN(Flash)	• COM(ON)	• RF(OFF)
Fault Fault Cause Description		
Comminicate with RF Gateway abnormal		
Fault Cause		
1. RF sub-device matching error. 2. RF sub-device has no power. 3. Long distance between RF gateway and RF sub-device or number of through-walls too much.		
Solution		
1. Contact customer service. 2. Check if RF sub-device is powered on. 3. Change RF gateway installation site.		

Lights		
• RUN(ON/OFF)	• COM(ON)	• RF(ON)
Fault Fault Cause Description		
System runs abnormally		
Fault Cause		
1.Program runs abnormally.		
Solution		
1. Long press the key for 5s, and release when COM light flashes,then reboot the logger. 2. Remove the stick logger and install again.		

Lights		
• RUN(OFF)	• COM(OFF)	• RF(OFF)
Fault Fault Cause Description		
Power supply abnormal		
Fault Cause		
1. Connection between stick logger and inverter loosen or abnormal. 2. Inverter power insufficient. 3. Stick Logger abnormal.		
Solution		
1. Check the connection, remove the stick logger and install again. 2. Check inverter output power. 3. Contact customer service.		

Contact

If you have any technical questions about our products, please contact us.Before contacting us, please confirm the following items:

- Equipment model
- Serial number of the datalogger
- Problem description
- Screenshot of the Status page in the configuration interface

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