Solis RF Data logger
Quick Installation Guide

For S2-RF-LINK(4Pin) / S2-RF-LINK(USB)
Version: 1.0

Delivery Content

- PC S2-RF-ST x1
- PC S2-RF-Gateway x1
- PC RF Network Cable x1
- PC RF Power Cable x1
- PC Quick Installation Guide x1

1 S2-RF-ST

1.1 Install

First, locate the COM/Logger port on the bottom of the inverter. This port will be protected by a black plastic cap. Do not lose the cap as it should be reinstalled if the logger is ever removed.

1. Twist the cap counterclockwise until it comes off.
2. Leave the cap hanging so that it can be replaced if the logger is ever removed.
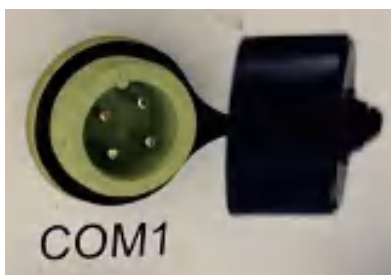
COM port cap (4-pin version)

1. Pinch the two tabs on the sides of the black plastic cap.
2. Pull down on the cap until it comes off.
3. Store the cap for later.

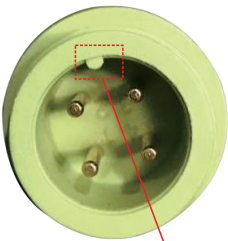COM port cap (USB version)

1.1.1 Connect the S2-RF-ST-4Pin to the inverter

1. Insert the logger into the port - be sure the LED lights are facing forward.
2. Push up on the logger and begin to twist the lock ring clockwise.
3. Continue twisting until the connection feels snug the lock ring cannot twist anymore.
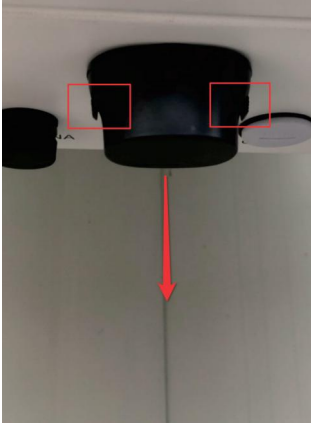

①

②

Match the joint

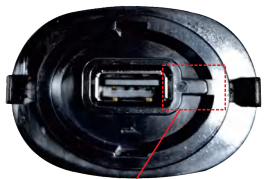## 1.1.2 Connect the S2-RF-ST-USB to the inverter

1. Insert the logger into the port - be sure the LED lights are facing forward.
2. Push up on the logger and align the port tabs so that they fit into the logger slots.
3. You will feel a click once this happens. To remove the logger, pinch the tabs at the same time and then pull down on the logger until it comes out.
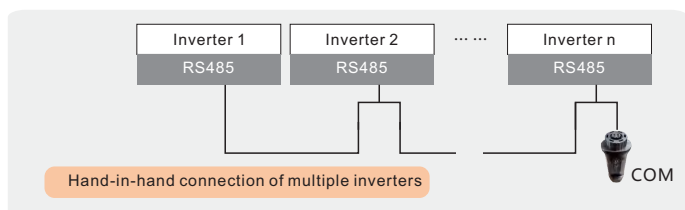

Match the joint

1.1.3 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.

Hand-in-hand connection of multiple inverters

After the data logger 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.

1.2 LED and Button

LED indicators	Description	LED Status	Meanings
Internet Indicators ● (NET)	Shows the connection status between the datalogger and the gateway.	Flashing	Trying to connect with gateway
		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 data logger is working normally. Otherwise, please contact the manufacturer's customer service.
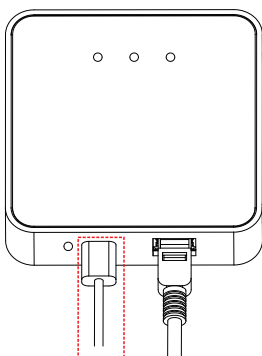
2 S2-RF-Gateway

2.1 Install

Using the network cable, one access to the gateway port, one access to the router. And confirm that the router turns on the function of automatically assigning IP.
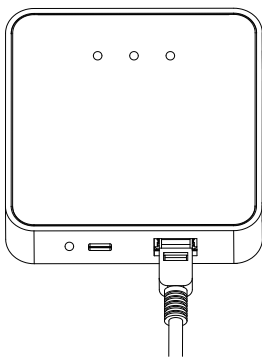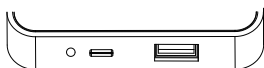

Connect the gateway to the power supply.

📖 NOTE

Installation requirements: The RF Gateway signal is capable of passing through two reinforced concrete walls (15cm) with the transmitting distance no more than 20 meters. The transmitting distance can be up to 200 meters if there is no obstacles between the transmitter and receiver.

2.2 Reset Button Instruction

Long press for 5 seconds, when the SER light and RF light go out ,the reset is successful.

2.3 LED Lights Status

Lights	Implication	LED Status	Status Description
RUN	System Running Status	ON	Powered up normally
		OFF	Powered up abnormally
RF	Communication status with inverter	Flashing	Trying to connect with inverter
		ON	Successfully connected
		OFF	Abnormal connection
SER	Communication status with server	Flashing	Trying to connect with server
		ON	Successfully connected
		OFF	Abnormal connection

Normal operation:

1. After 3s of powering on ,RF and SER light will flash,Around 30-120s all three lights are on.

2. When all three lights are on, it means that the data logger is working normally.

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.

📖 **NOTE**

We strongly recommend that you download the latest version of the SolisCloud APP before proceeding to the next step to match more features.

Step 2: Tap "Register".

Hello!
Welcome to
SolisCloud

| Username/Email | ⌄ |
| Password | 👁 |

☐ Remember   Forgot Password

Log in

☐ I have agreed Privacy Policy   Register

Step 3: Select Owner or Organization for registration.

<   Select Role(1/3)

Organization
Installer Dealer

Owner
Plant Owner

Step 4: Enter your email address and input the verification code you received, then set a username and password to complete the registration.

Organization(2/3)

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

* Registration Method

▆▆▆▆▆▆▆▆ ▆▆

| ▆▆▆▆ | 100S |

☑ * I have agreed Privacy Policy

| Previous | Next |

Organization(3/3)

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

* Email

▆▆▆▆▆▆▆▆ ▆▆

* Organization (Company) Name

Input 2 to 60 characters

* User Name

Enter username

* Password

Password 👁

Password Strength: ▬▬▬ ▬▬▬ ▬▬▬ ❓

* Confirm Password

Enter password again 👁
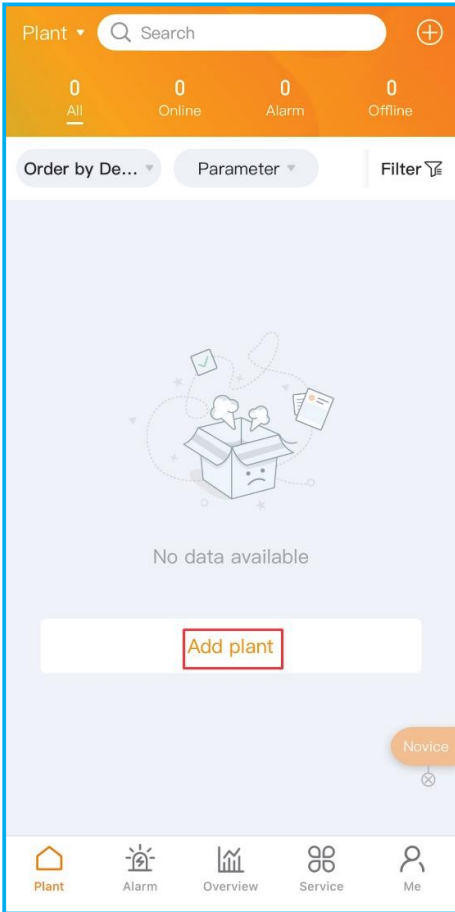
* Organization Code

9841F5 ↻

| Previous | Register |

Step 5: Registration is completed.

4 Create Plant

Step 1: Enter the home page of SolisCloud APP, tap "Add Plant" in the middle of the page.

Step 2: Enter the plant details and then tap "Next".

Add Plant

| 1 Basic Information | 2 Tariff Managem... | 3 Associate account | 4 More Information |

* Plant Name

* Plant Type — Residential >

* Capacity(kWp)

* Area

* Plant Address

* Time Zone — (UTC+08:00) PRC >

* Currency — USD >

Organization Code — Input Organization Code >

Next

Add Plant

| ✓ Basic Information | 2 Tariff Managem... | 3 Associate account | 4 More Information |

Feed-in Tariff

* Tariff Type — Fixed Tariff >

* Tariff(USD/kWh)

Previous | **Next**

Company Tariff >

Add Plant

| ✓ Basic Information | ✓ Tariff Managem... | 3 Associate account | 4 More Information |

Add Guest ⊕

Previous | **Next**

Step 3: After entering the required information,
tap "Create Plant".

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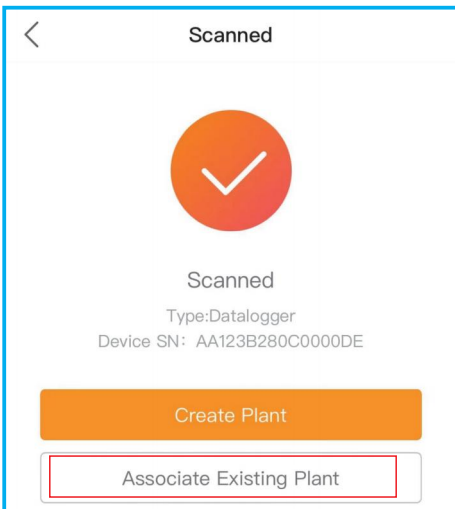automatically enter the APP homepage.

5 Bind the Gateway

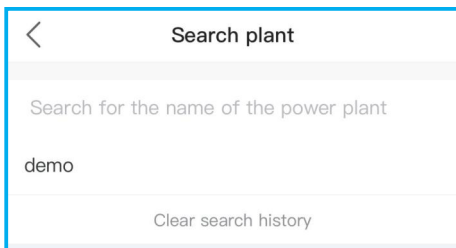Step 1: Click on the "Data logger " to enter the plant home page, tap "Add datalogger" to add the logger.
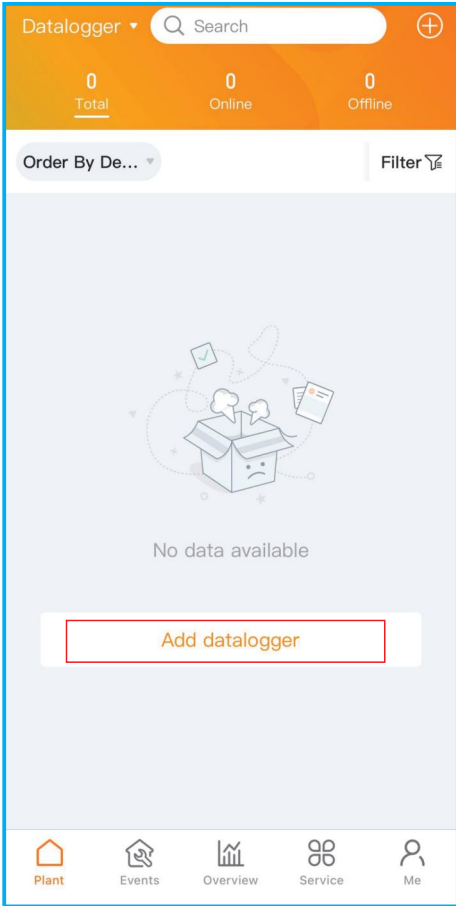
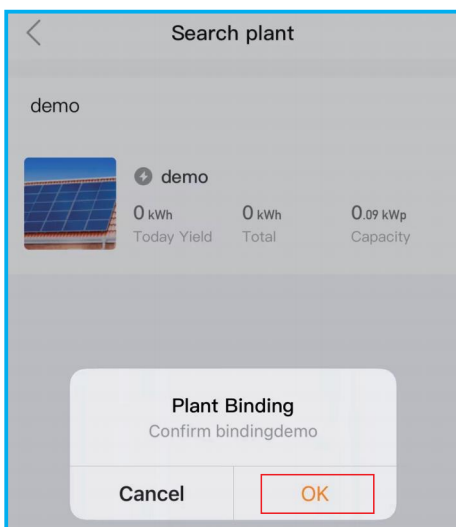Step 2: Scan the QR code on the logger or manually enter the SN of the logger.

Step 3: Click "Associate Existing Plant".

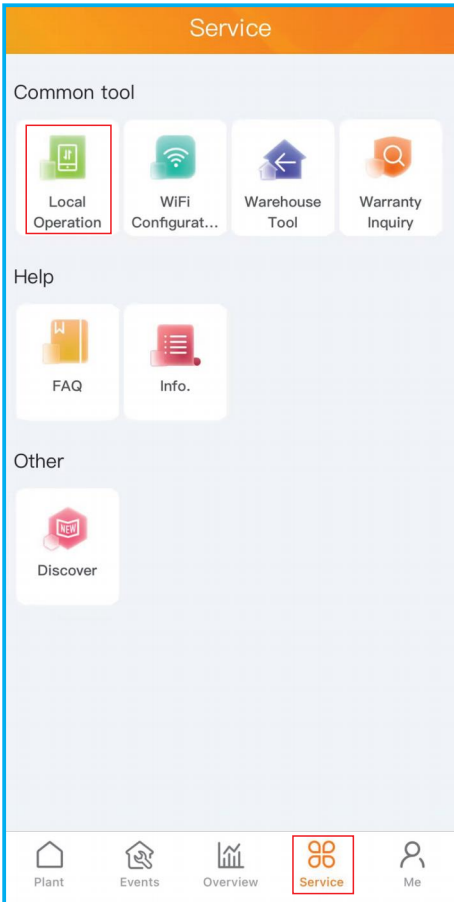Step 4: Select the plant.
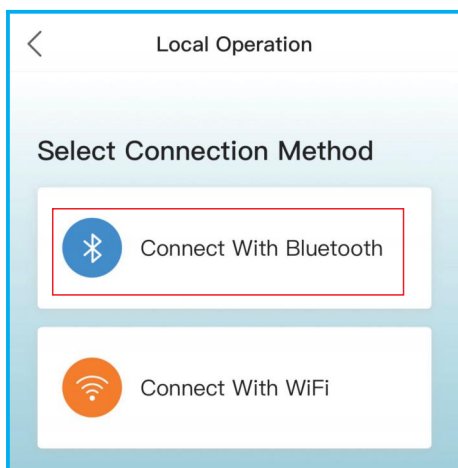

Step 5: Click "OK",Bound successfully.

6 Bind and unbind the Stick from Gateway

By default, the stick is bound to the gateway. When you confirm that you need to replace the stick,Follow the following steps for the replacement:
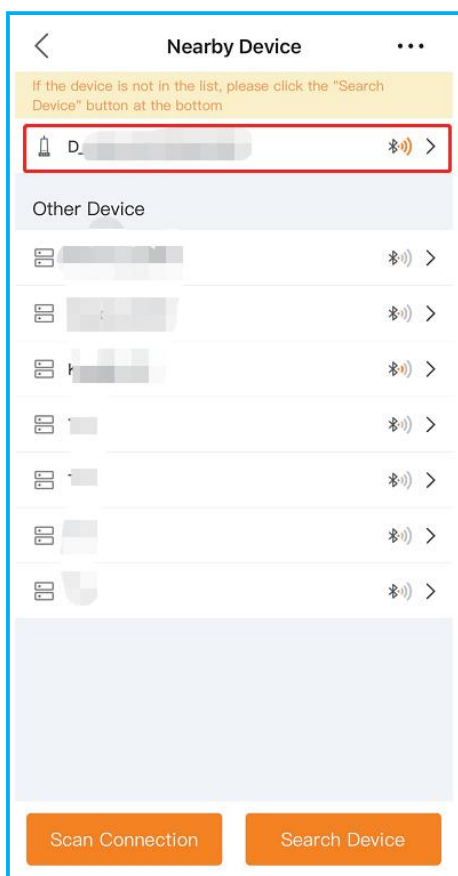
Step 1: Click "Service" page to enter "Local Operation" in the toolbar.

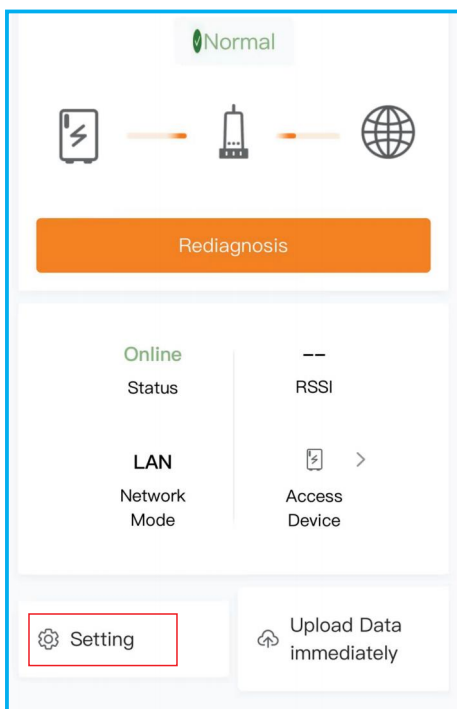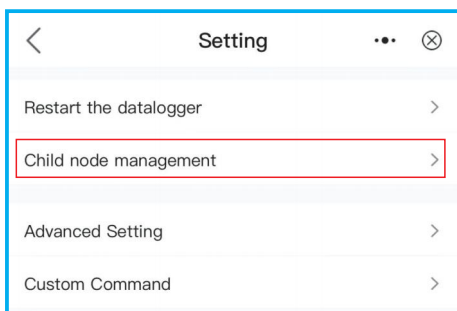Step 2: Click "Connect With Bluetooth".
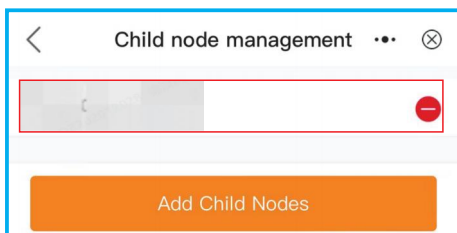

Step 3: Select the SN number of the gateway to connect.

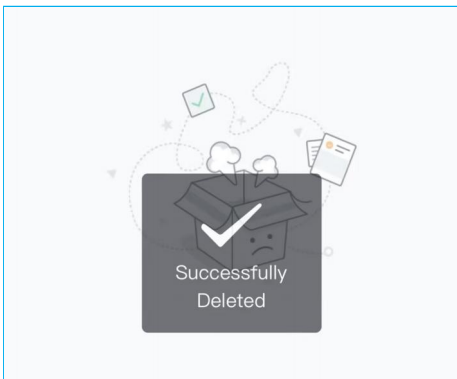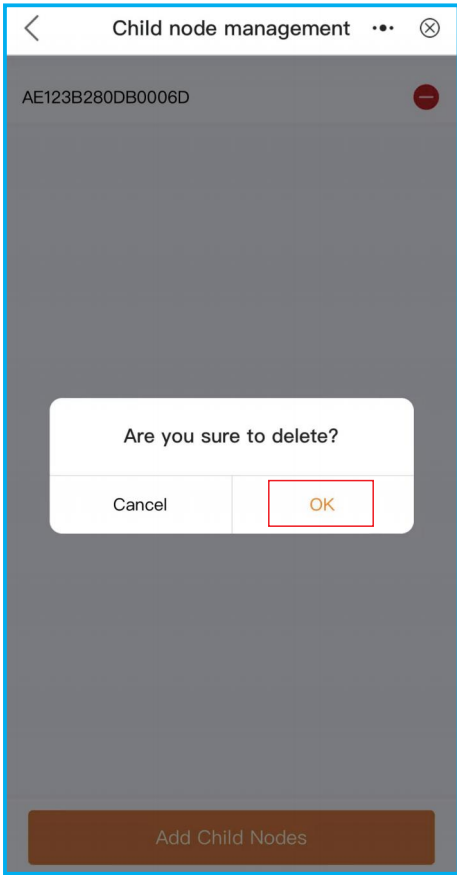Step 4: Once the connection is successful, click "Setting".

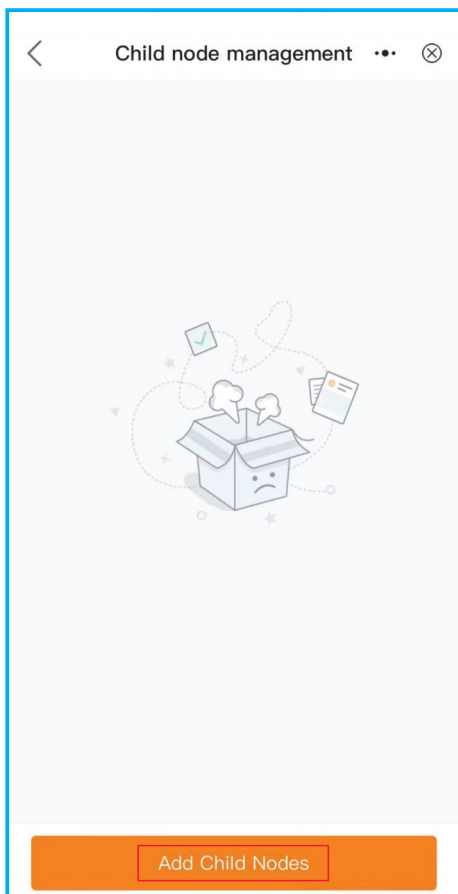Step5: Click "Child nodle management" (Default binding of a child node).

Step 6: Unbind the original child node.

AE123B280DB0006D

Are you sure to delete?

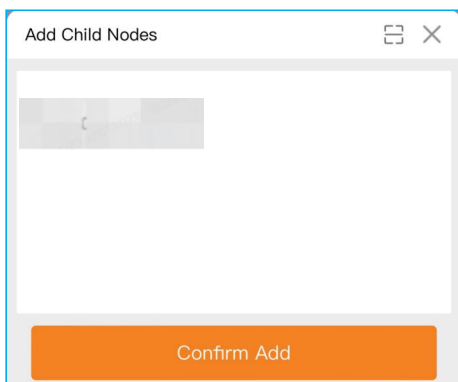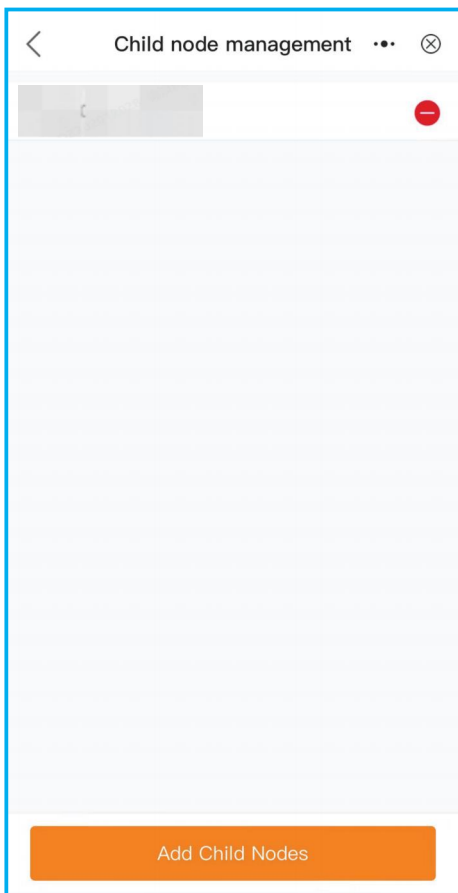Cancel   OK

Add Child Nodes

Successfully
Deleted

Step 7: Click "Add Child Nodes".

Step 8: Enter the SN number of the new child node, click "Confirm Add".

Step 9: Complete the binding.

The warranty period of this product is 2 years. You can feedback vuinerabilities through online customer service on the platform, and can also call the global after-sales service number to elaborate on relevant problems.
Please provide the following information as well:

◆ Inverter SN
◆ Data logger SN
◆ Problem Description

After receiving the feedback, the engineer will respond to the problem within 24 hours, and officially push the repair version to the user within 6 months.

Ginlong Technologies Co., Ltd.

No. 57 Jintong Road, Binhai Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, P.R.China.

Tel: +86 (0)574 6578 1806

Email: info@ginlong.com | service@ginlong.com

Web: https://www.solisinverters.com/global/aftersales.html