GPRS Stick Datalogger
Quick Installation Manual

Version: 3.3
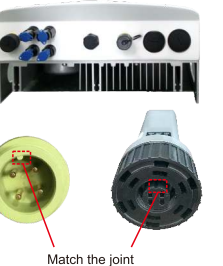
Delivery Content
- 1 GPRS Stick
- 1 GPRS Antenna
- 1 Quick Installation Manual

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:

Match the joint

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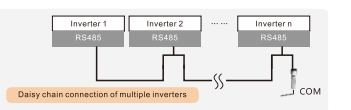3. Rotate the black ring in clockwise.

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.

Daisy chain connection of multiple inverters

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…).

1.3 Set APN
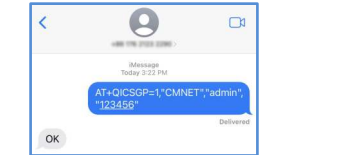
Edit message:
AT+QICSGP=<mode>,<apn>,<username>, <password>to the number of SIM card.
If it works, it will reply "OK".

Description	
<mode>	Default 1
<apn>	The current APN, pls refer to network operator about APN
<username>	APN name, defined by user
<password>	APN password, defined by user

Refer to the figure below as an example.

AT+QICSGP=("CNNET","admin" "123456"

OK

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.
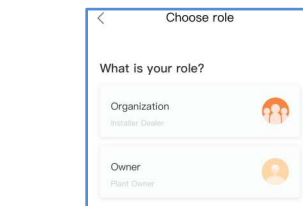
3 Create the Soliscloud Account

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 "SolisCloud".
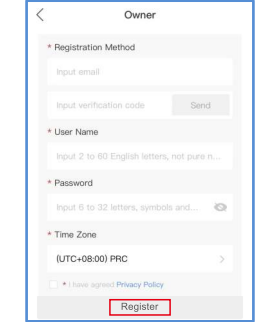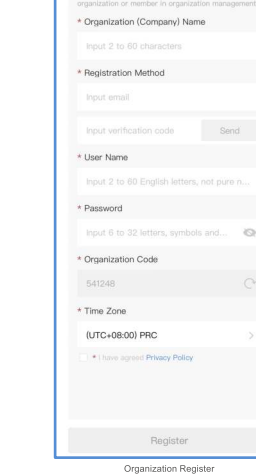
SolisCloud

Step 2: Open the APP and click register.

Hello,
Welcome to SolisCloud
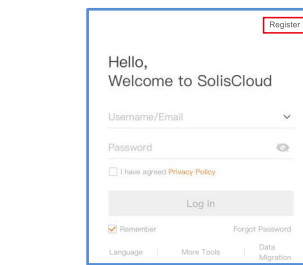
Step3: Select Owner or Organization for email address registration.

Choose role

What is your role?

Organization

Owner

Step4: Enter the email to get the verification code, then enter your account and password, last click the "Register".

Owner Register

Organization Register

4 Create Plant

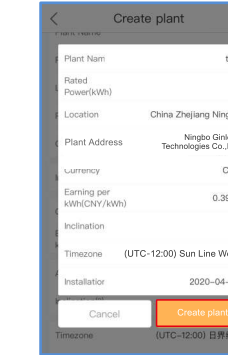Step1: Enter the main page of Solis Cloud APP, click "+"at the top right corner and select "Add plant".
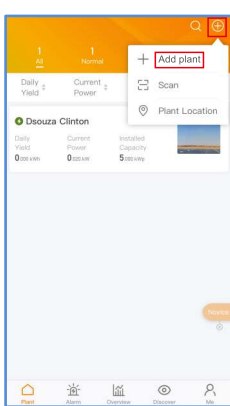
Step 2: Input the information of the plant as required. Then click "Done".
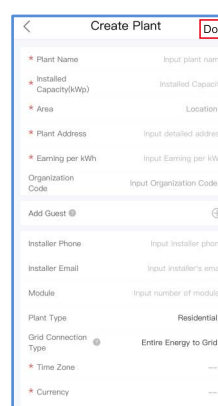
Step 3: Confirm the plant information. Click "Create plant".

Create successfully

View plant

No collector was added, please add a collector

Step 4: Click "View plant" to enter the plant homepage , then add the datalogger.
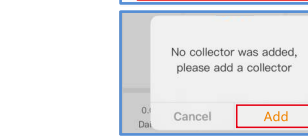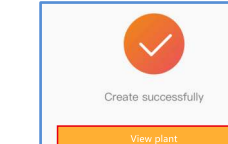
Step 5: Scan the datalogger SN QR code or manually input it.

Binded successfully.

Step 6: Plant creation succeeds. Click "Continu...atalogger" to check the monitoring data. If the plant has multiple dataloggers, please click "View Plant".

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