

4G-G1 Module User Manual -V1.0

RENAC Power Technology Co., LTD.,

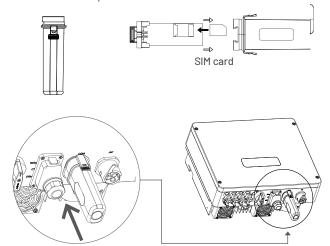
■ Technical data

Model	4G-G1
Working frequency	LTE -FDD/LTE-TDD/WCDMA TD-SCDMA/CDMA/GSM
Remote Communication Interface	4G
Working Voltage	DC 5V-12V
Working Power	<4W
Local Communication	RS485
Data Uploading Interval	Default: 5 mins
Memory	64M
SIM Card	MicroSIM(25mm*15mm)
Antenna	4G Small Antenna
Working Temperature	-30~+60℃
Working Humidity	0∼100% RH
Altitude	≤4000m
Size (LxWxH)	103mm*42mm*30mm
Protection class	IP65

Installation instructions

1.1 Connecting Inverter

Pull out the 4G PCBA from the enclosure as below figure 1, and insert the SIM card into SIM slot, then plug in the 4G enclosure. Plug the 4G-G1 module into the COM port of the inverter.



1.2 Download mobile APP

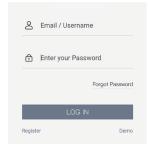
There are two ways to download Renac SEC:

- a. Download and install <Renac SEC> mobile app by scanning the QR code below
- b. Download <Renac SEC> from Apple Store / Google Play



1.3 Device Registration

1. Open the APP, fill out requirement information to create a new account, then click "Submit".





2. Add the power station page, fill in the corresponding information, click [Add station] at the bottom to add a new power station (If you do not need to associate the installer account, the "installer" item can be ignored. with red is required *)



3.Click "+" and scan the QR code (inverter serial number) on the device label to add a device.





- 4. After adding the power station, back to home page, and the newly added power station will be shown in the station list.
- 5. On the home page, click "Statistics" to enter into the equipment list.
- 6. After the device is successfully added, wait for 5 minutes, while the inverter status is green, means that the 4G monitoring is successful.

Indicator Description

LED Color	LED Status	Description
Off	Off	Power supply of module is abnormal or damaged
Red	On	Antenna or SIM card is initializing
Red	Flashing	Firmware upgrade
Green	On	Connection fault between module and server
Green	Flashing	Module works in normal status
Yellow	Flashing	Received data from the inverter