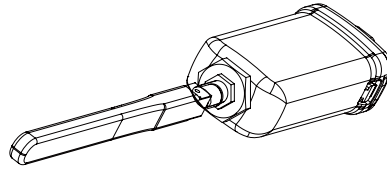# GOODWE

## 4G Kit-EC&4G Kit-AU

## Quick Installation Guide

V1.2
2023-03-08

340-00652-02

**NOTE** These instructions will be updated from time to time due to product version upgrades or for other reasons. Unless otherwise specified, they are not a substitute for the safety instructions given on product labels or in user manuals. All descriptions in the document are intended only as user instructions.
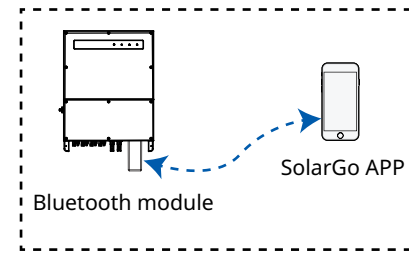
Near-Field Bluetooth Configuration with APN



Bluetooth module — SolarGo APP

4G Communication Networking



4G module — SEMS — SEMS Portal APP

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## 01  Technical Data

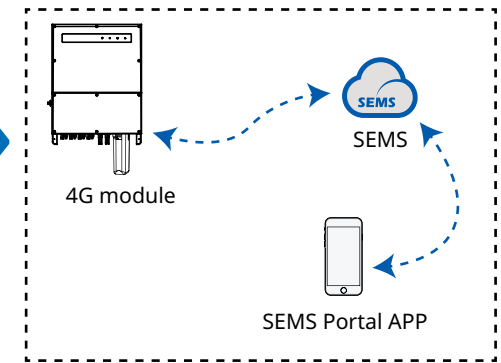| Model | 4G Kit-EC | 4G Kit-AU |
|---|---|---|
| **General Data** | | |
| Max. Inverters Supported | 1 | 1 |
| Connection Interface | USB | USB |
| Installation | Plug and Play | Plug and Play |
| Indicator | LED Indicator | LED Indicator |
| Dimensions (W×H×D mm) | 49*96*32 | 49*96*32 |
| Standard SIM Card Size (mm) | 25*15 | 25*15 |
| Ingress Protection Rating | IP65 | IP65 |
| Power Consumption (W) | <4 | <4 |
| Operating Temperature Range (℃) | -30~60℃ | -30~60℃ |
| Storage Temperature Range (℃) | -40~70℃ | -40~70℃ |
| Relative Humidity | 0-100% (non-condensing) | 0-100% (non-condensing) |
| Max. Operating Altitude (m) | 4000 | 4000 |
| **Wireless Parameter** | | |
| LTE-FDD | B1/B3/B7/B8/B20/B28A | B1/B3/B7/B8/B20/B28A |
| LTE-TDD | / | B40 |
| WCDMA | B1/B8 | B1/B2/B5/B8 |
| GSM/GPRS | B3/B8 | B3/B8 |

## 02  Applications

**NOTE** Information regarding the SIM operators, inverter models and versions supported by 4G modules will be updated from time to time, and the latest support details can be obtained by scanning the QR code.
Download the latest version of SolarGo and SEMS Portal APP from Google Play or App Store.

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## 03  Installation and Commissioning

### Installing Bluetooth module

**NOTE**
- When installing the Bluetooth and 4G modules, make sure the inverter is powered off.
- During installation, wear antistatic gloves, and take electrostatic protection measures.

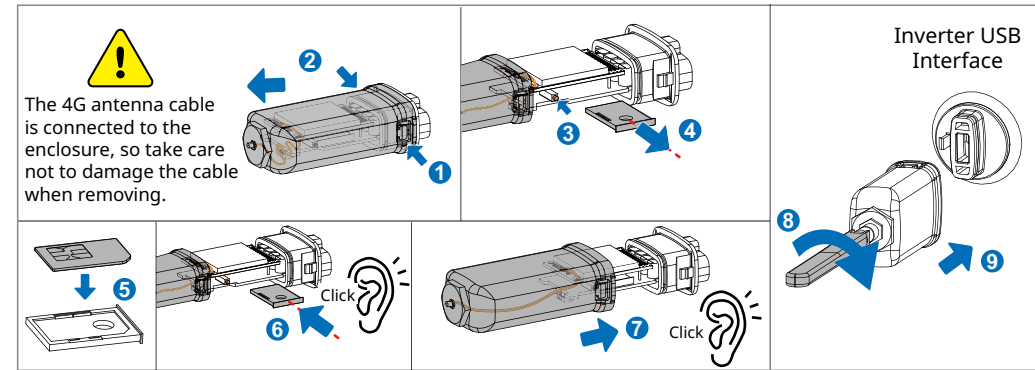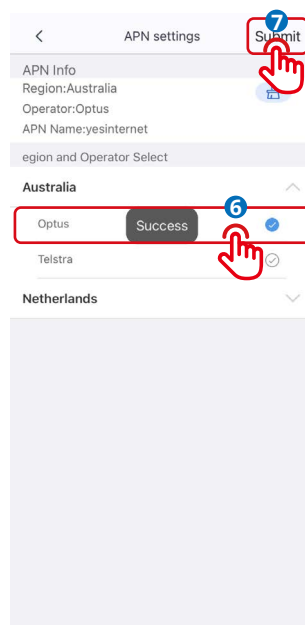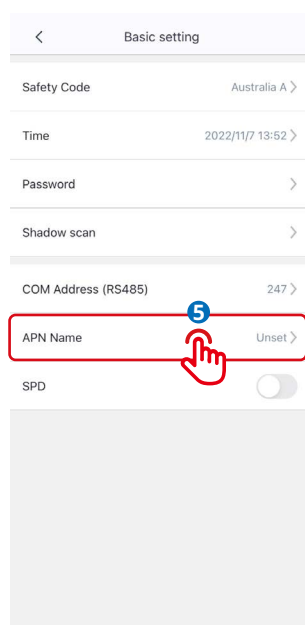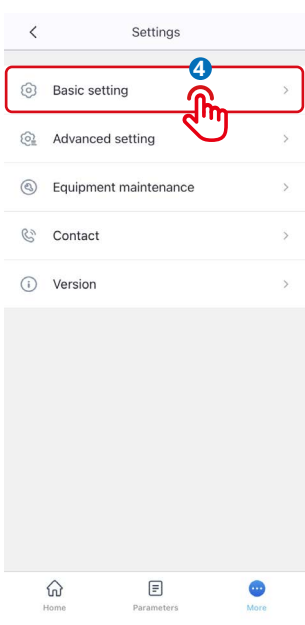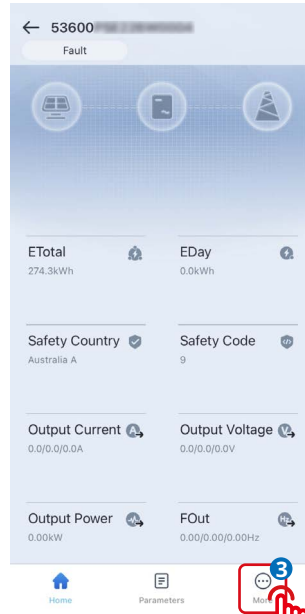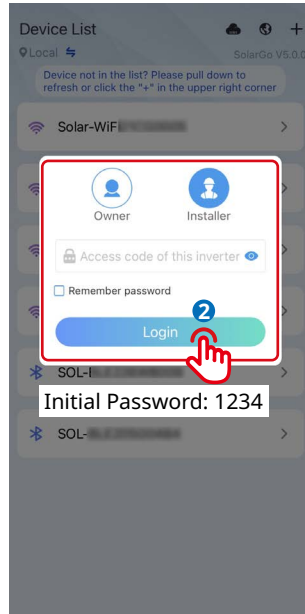| 1. Check that the items delivered are correct. | 2. (Optional) Install the 5-pin USB adapter for the inverter. If the inverter uses a 5-pin interface for communication, perform this step. | 3. Install Bluetooth module. |
|---|---|---|
| 1 x 4G module<br>1 x Bluetooth module<br>1 x 4G antenna<br>1 x 5-pin USB adapter<br>1 x Quick Installation Instructions<br>4 x M3 screws |  | USB Communication Interface<br> |

### Setting APN parameters

**NOTE** Before setting the parameters, make sure that:
1. The inverter is powered on.
2. Communication is functioning properly between Bluetooth module and inverter.
3. The SolarGo APP has been downloaded from Google Play or App Store. (SolarGo with V5.0.0 or newer version in Android system or with V5.0.0 or newer version in iOS system is required. )
4. The procedure is basically identical for Android and iOS operating systems, with only slight difference between the interfaces. These instructions use the iOS operating system as an example.
5. Please use the initial password when logging in for the first time, and change it as soon as possible to one that is memorable for you. To keep your account secure, it is recommended to change your password regularly.

SolarGo APP

Bluetooth name: SOL-BLE********
* Represents the last 8 digits of the serial number of the inverter

Initial Password: 1234

The 4G antenna cable is connected to the enclosure, so take care not to damage the cable when removing.

## Installing 4G module

**NOTE**
- When installing the Bluetooth and 4G modules, make sure the inverter is powered off.
- During installation, wear antistatic gloves, and take electrostatic protection measures.
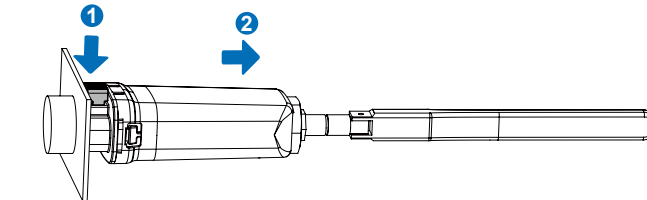
Inverter USB Interface

## Powering on the device

1. Power on the inverter, thus powering on the 4G module.
2. Observe the status of the indicators on the 4G module and the inverter. (When the communication indicator on the inverter is ON continuously, it means that communication is functioning properly. For other indicator status, refer to the User Manual of the relevant inverter model.)

| Indicator | Colour | Status | Notes | Description |
|---|---|---|---|---|
| Power | Green | ON continuously | Normal | Module powered on |
| | | OFF | Abnormal | Module not powered on |
| Communication | Blue | Flashing slowly (On for 0.2s, Off for 1.8s) | Normal | Searching for connections |
| | | | Abnormal | Staying off for 15 seconds after illuminating, which indicates the SIM card is not inserted or it has a loose connection. Insert the SIM card, or remove it and then re-insert. |
| | | Flashing slowly (On for 1.8s, Off for 0.2s) | Normal | Standby |
| | | | Abnormal | If the indicator stays in this state for an extended period (more than 5 minutes), the APN is set incorrectly, the SIM card has no signal, the signal strength is weak, or there is no data. Please check the APN information and reset the APN parameters on the SolarGo APP. Contact the operator to verify the SIM card signal. Check whether the SIM card credit and data are sufficient. If not, please top up. |
| | | Flashing rapidly (On for 0.125s, Off for 0.125s) | Normal | Data uploading |

## 04 Device Replacement

1. Before replacing the 4G module, check that the inverter is powered down, and the new 4G module is ready for installation.
2. Remove the 4G module.
3. (Optional) If SIM card is bound to an existing device, consult the operator to unbind it.
4. Install the new 4G module.
5. Power on the inverter.