

## Cellular Modem Installation Guide

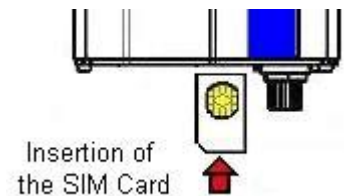
This Application Note describes how to install and set up a cellular modem for use as a communication gateway of the SolarEdge Inverter.

### What's in the Box

- GenPro 20e SQB GSM modem
- GSM hinged antenna
- Universal power supply
- Null modem 15 pin / 9 pin serial cable
- Modem manufacturer instruction sheet
- This Installation Guide

### Configuring the Inverter to Work with the Modem

- 1 Connect the antenna to the modem.
- 2 Remove the SIM card cover, insert a SIM card to the modem and put the SIM cardcover back



**NOTE:**

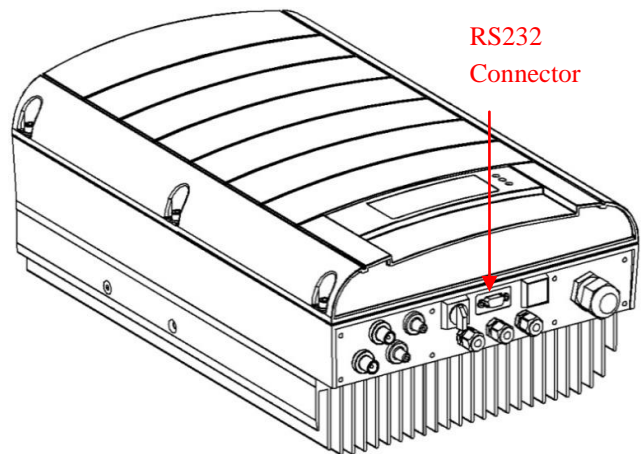
A SIM card is not supplied with this product. You must purchase a SIM card and an appropriate data package from your GSM service provider separately.

- 3 Connect the modem to the Inverter via RS232 port. Use the cable provided.

**NOTE:**

If you choose to work with another RS232 cable, use a null modem cable (ie having the Transmit and Receive lines crosslinked). Make sure to use a shielded connector so as not to interfere with other devices in the vicinity.

- 4 Connect the power supply to the modem and to an electrical socket.
- 5 Using the user buttons or the configuration tool (see the *SolarEdge Installation Guide* for instructions how to configure the Inverter using either method), select the **5.1.2 RS232** option under the **Communication → Server** menu (5.1).



**WARNING !**

If you configure the inverter using the internal buttons, make sure the DC breaker and the inverter's ON/OFF switch are both OFF before opening the inverter's cover and throughout the entire operation.

- 6 In the **Communication → Server → RS232** (5.1.2) submenus, configure:
  - **GSM:** Enable
  - **GSM APN:** Enter your wireless service provider's Access Point Name (APN). This network address can be obtained by calling your service provider.
  - **Modem Type:** 1. Erco & Gener
  - **User Name, Password:** if required by service provider
- 7 Connect the modem to the inverter through the RS232 connector, which is the nine-pin connector on the bottom of the inverter. There is no need to open the inverter cover.

## Verifying the Connection

► **To verify the connection:**

- 1 Wait for the inverter to connect to the SolarEdge Monitoring Server. This may take up to two minutes.
- 2 Verify that the LCD panel displays a window similar to the following:

```
V a c [ v ]   V d c [ v ]   P a c [ w ]
2 3 0 . 7     5 . 2 v       0 . 0
                < S _ O K >
                          O F F
```

- **S\_OK:** Verify that **S\_OK** appears on the panel to indicate a functioning connection to the SolarEdge Monitoring Server, which was validated during the last two minutes.



**NOTE:**

If the **S\_OK** indication is not displayed, then perform the following:

- Use another method (unrelated to the SolarEdge Inverter) to check whether the network and modem are operating properly. For example, connect a laptop to the Ethernet modem and connect to the Internet.
- Check whether a firewall or another device is blocking transmission.
- Check the configuration of the inverter.

### Support and Contact Information

If you have technical questions concerning our products, please contact us:

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