

Communication Board Replacement in Single Phase Inverters with HD-Wave Technology and SetApp

Kit Contents

- Communication board

Required Tools

- 4mm hex key
- Phillips screwdriver
- 3mm flat screwdriver

Removing the Inverter Cover

If the inverter cover is not already removed, use the following procedure for cover removal.

→ To remove the inverter cover

1. Turn the inverter ON/OFF/P switch to OFF. Wait 5 minutes for the capacitors to discharge.
2. Turn the Safety Switch (if applicable) to OFF.
3. Disconnect the AC to the inverter by turning OFF the circuit breakers on the distribution panel.
4. Open the inverter cover (see *Figure 1*).

CAUTION!



When removing the inverter cover, make sure not to damage the internal components. SolarEdge will not be held responsible for any components damaged as a result of incautious cover removal.

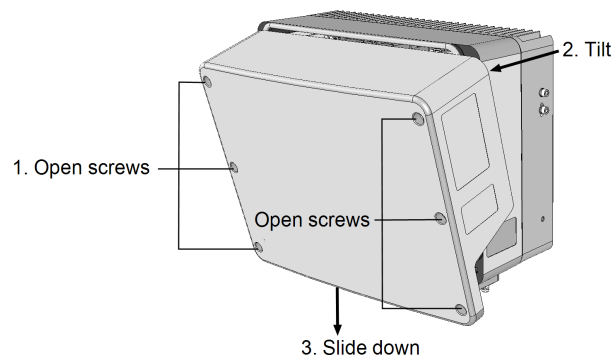


Figure 1: Removing the inverter cover

Replacing the Communication Board

→ To remove the communication board:

1. Disconnect the following cables from the communication board:

NOTE



It is recommended to take a picture of the communication board before disconnecting any cables from it. This will help you reconnect the cables correctly after reinstalling the board.

- RS485
- Ethernet
- ON/OFF/P switch
- LEDs

If any other cables or connections are present, disconnect them as well.

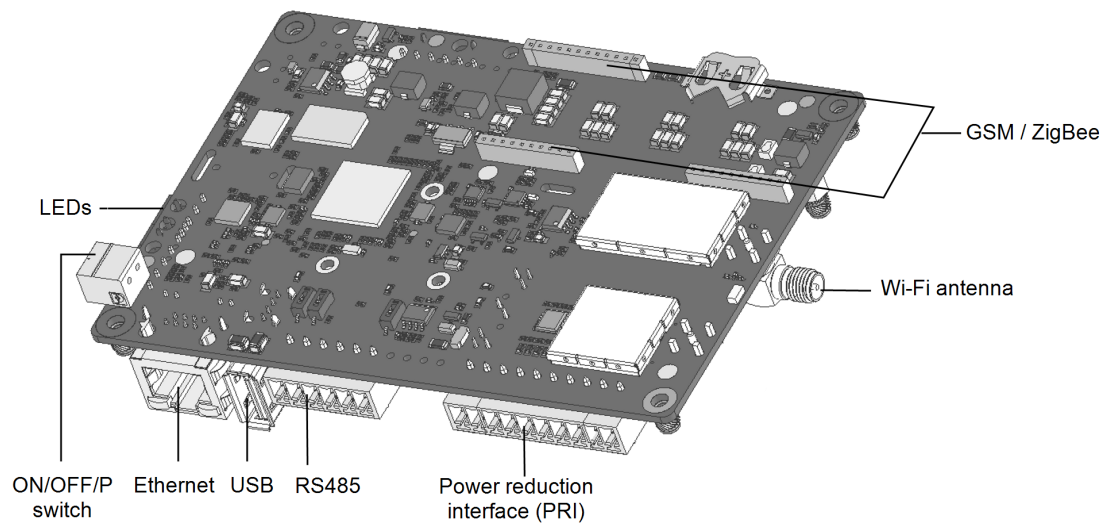


Figure 2: Communication board

2. Unscrew the four corner screws attaching the communication board to the adapter on which the communication board is assembled. Note that a grounding strip is positioned over the communication board.
3. Remove the communication board.

→ To install the replacement communication board:

1. Place the communication board on the adapter.
2. Position the grounding strip over the communication board, as shown below.

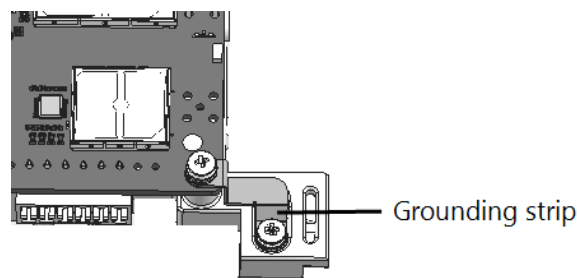


Figure 3: Grounding strip

3. Fasten the communication board to the adapter with the four screws. Fasten all screws with a torque of 1.3 N*m (12 lb*in).
4. Reconnect the cables and connectors previously disconnected from the communication board.