

SolarEdge TerraMax™ Inverter cover assembly replacement - Support kit manual

This manual describes the procedure for replacing the SolarEdge TerraMax Inverter Cover Assembly.

Revision history

- Version 1.2, July 2024 – Updated name of DC switch and required tools
- Version 1.1, March 2024 – Changed name to TerraMax
- Version 1.0, January 2024 – Initial release

Kit contents

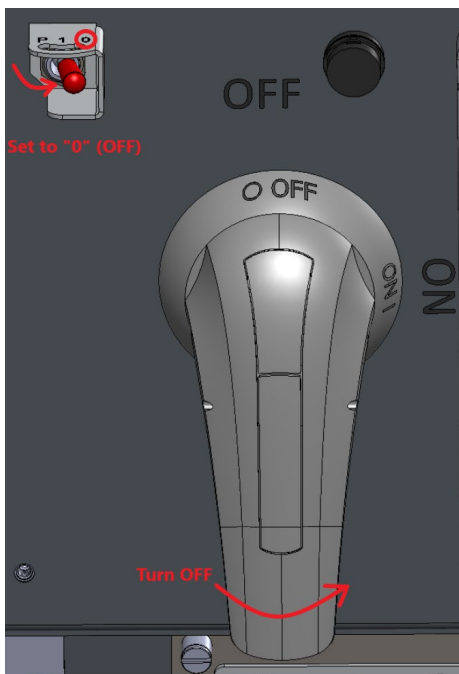
- SolarEdge TerraMax Inverter Cover Assembly PN: FLD-3PH-OR-CVR

Required tools

- Torque screwdriver with a 4mm hex bit

Before you begin

1. Set the P/1/0 switch to "0" (OFF).
2. Turn the DC Disconnect (DCD) switch to the OFF position.



3. To lock the DCD switch, pull the white tab out away from the blue handle and insert a padlock through one of the holes.
4. Lock the padlock.



DCD switch safety padlock

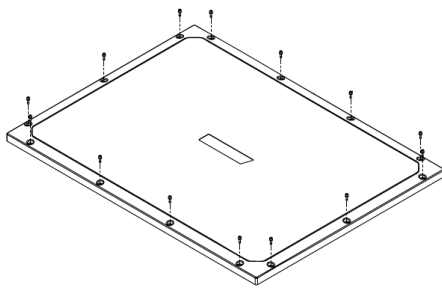
5. Disconnect AC power to the inverter by turning OFF the circuit breaker in the power distribution panel.
6. Wait at least five minutes for the DC Voltage inside the inverter to drop to a safe level.
7. As an additional safety precaution, lock the power distribution panel.

Remove the cover

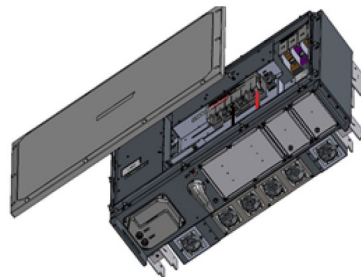
NOTE

The inverter cover assembly is too big for one person to handle safely. SolarEdge recommends that two people remove and handle the cover assembly.

Using a screwdriver with a 4mm hex bit, release the screws holding the cover in place.



Inverter Cover Assembly

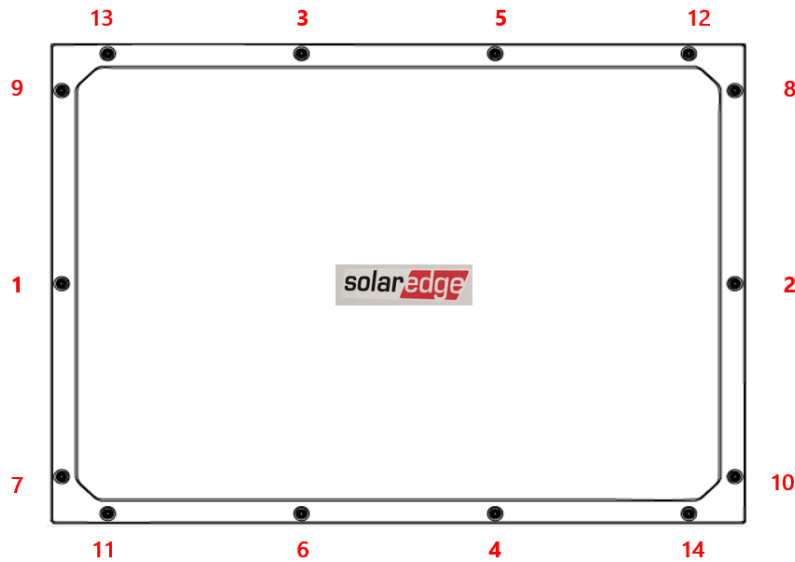


WARNING!

Before doing any maintenance work on the inverter, test for safe AC and DC voltages.

Install the replacement cover assembly

1. Place the new cover in position and insert the screws.
2. Using a torque wrench with a 4mm hex bit, tighten the screws to a torque of 3.9N·m (34.5lbf·in).
3. Tighten the screws in the following sequence:



Turn on the power

1. Unlock the power distribution panel and turn ON the AC circuit breaker/s.
2. Remove the padlock and turn the DCD switch ON.
3. Set the P/1/0 switch to "1" (ON).