

SolarEdge TerraMax™ Inverter - Applying Grease to the Cover Screws of the Inverter - Support kit manual

This manual describes the procedure for applying grease to the cover screws on the SolarEdge TerraMax inverter cover.

Revision history

- Version 1.0, May 2025 – Initial release.

Kit contents

FLD-SM-GREASE-1 grease for the cover screws

Required tools

- Torque screwdriver
- 4mm hex bit
- Voltmeter

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

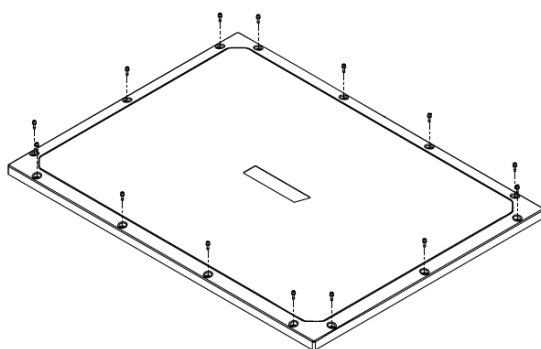
5. Disconnect AC power to the inverter by turning OFF the circuit breaker in the power distribution panel.
6. Wait at least five minutes for the DC Voltage inside the inverter to drop to a safe level.
7. As an additional safety precaution, lock the power distribution panel.

Remove the cover

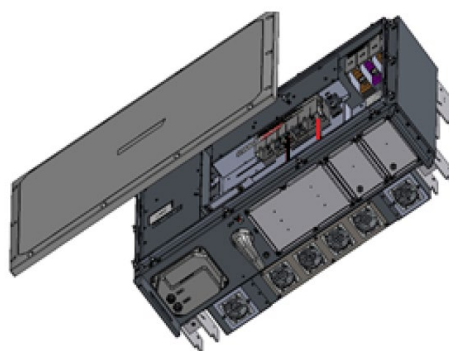
NOTE

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

To remove the cover, use a screwdriver with a 4mm hex bit to release the screws holding the cover in place.



Inverter Cover Assembly



WARNING!

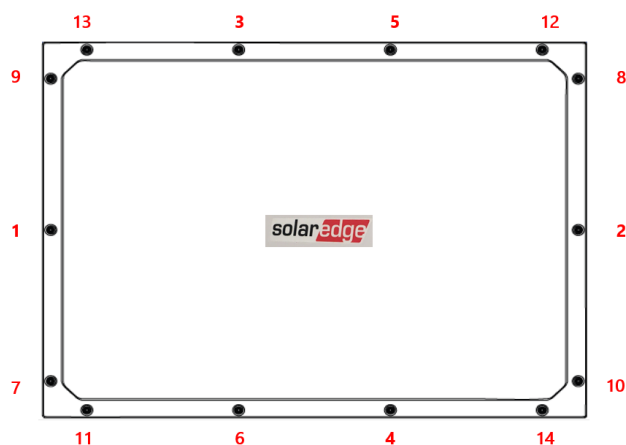
Before doing any maintenance work on the inverter, test for safe AC and DC voltages.

Applying grease to the screws

1. Use a clean cloth or paper towel to wipe any dirt from the threads of the screws.
2. Inspect the screws for any damage or wear and replace damaged screw if required.
3. Take a small amount of grease on your fingertip or a clean cloth and evenly apply the grease to the threads of each screw. Avoid over-applying grease to prevent excess from squeezing out during installation.

Reattach the cover assembly

1. Place the cover in position and insert the screws.
2. Using a torque screwdriver with a 4mm hex bit, tighten the screws to a torque of 3.9N·m (34lbf·in).
3. Tighten the screws in the following sequence:



Screw tightening 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).