

SolarEdge TerraMax™ Inverter Cover Nut holder replacement - Support kit manual

This manual describes the procedure for replacing the Cover Nut holder attachments on the SolarEdge TerraMax inverter cover.

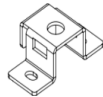
Revision history

- 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.

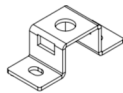
Kit contents

SolarEdge TerraMax Inverter cover nut holder PN: FLD-3PH-OR-CVR-OMG

Holder M5 nut x2



Holder M5 nut x2



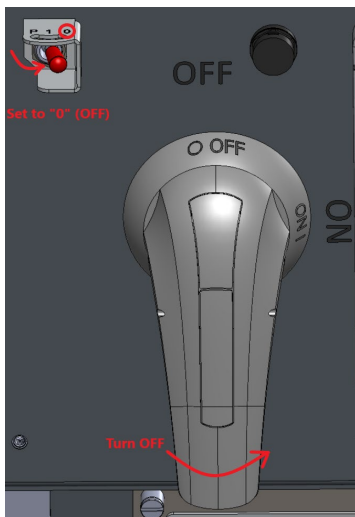
M4 x 10 hexalobular screws x2

Required tools

- Torque screwdriver
- 4mm hex bit
- T25 torx 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.

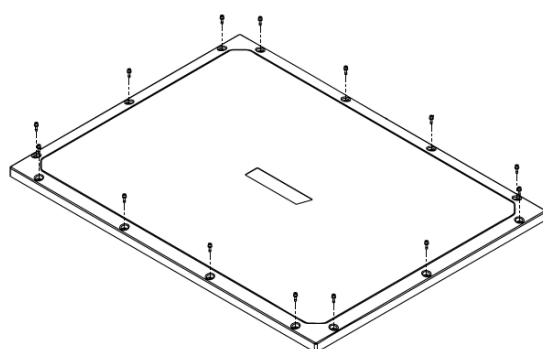
Remove the cover



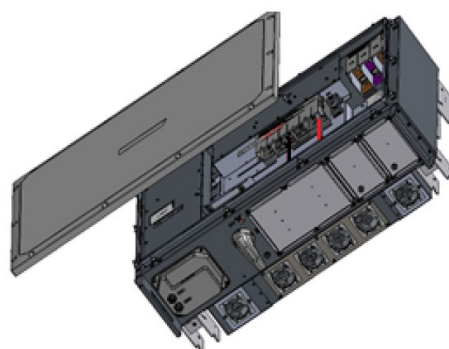
NOTE

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

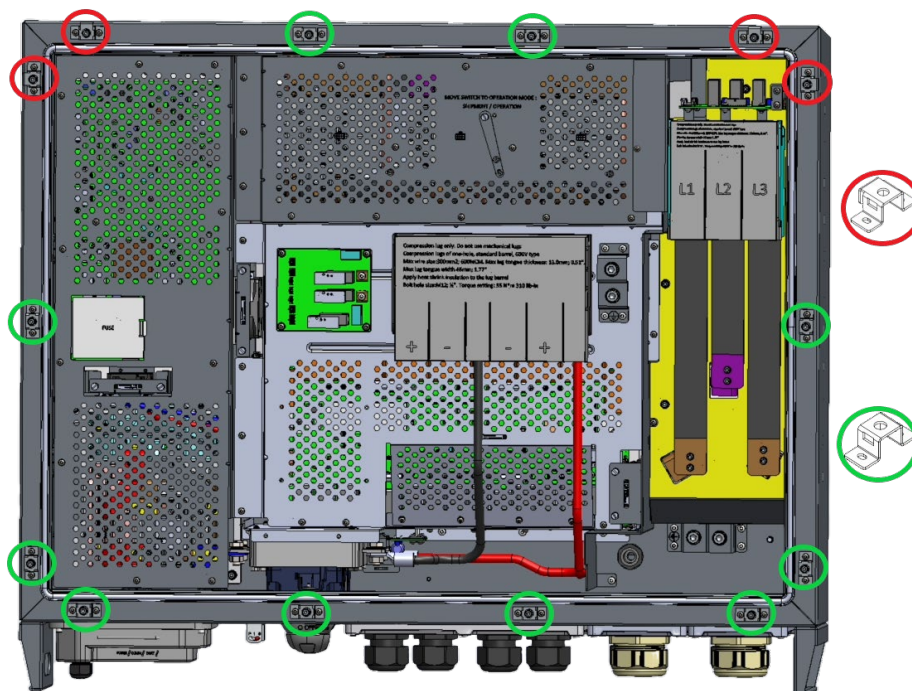


WARNING!

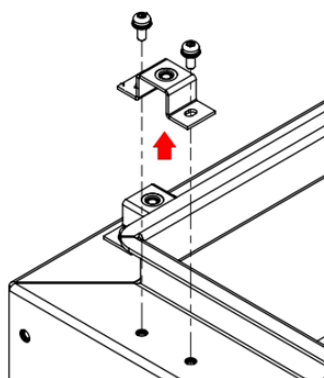
Before doing any maintenance work on the inverter, test for safe AC and DC voltages.

Remove the damaged Cover Nut holder

1. Identify the damaged Cover Nut holder.



2. Using a screwdriver with a Torx T25 bit, remove the two screws holding the damaged Cover Nut holder in place.

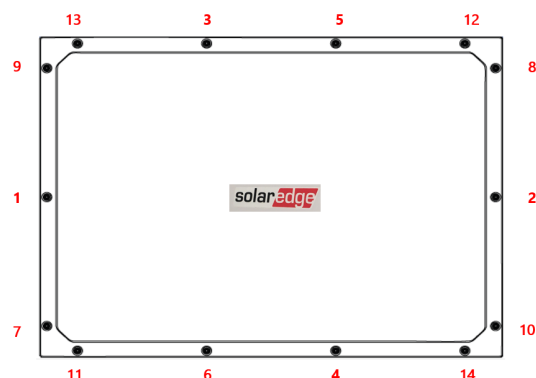


IMPORTANT NOTES

- There are two different types of Cover Nut holders. Make sure that you replace the damaged one with the same type.
 - Make sure that you accurately line up the new Cover Nut holder with the lines and markings left by the one you removed.
3. Place the new Cover Nut holder in position, re-insert the screws and, using a torque screwdriver, tighten the screws to a torque of 2.4N·m (21.2lbf·in).

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).