

StorEdge Three Phase Inverter - ON/OFF/P Switch Replacement

Kit Contents

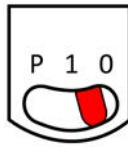
- ON/OFF/P switch with cables
- Mounting nut
- Gasket
- Opening tool

Required Tools

- 4mm hex key
- Phillips screwdriver

Removing the Inverter Cover

1. Switch the inverter ON/OFF/P switch to OFF. Wait 5 minutes for the capacitors to discharge.



2. Disconnect the AC to the inverter by turning OFF the circuit breakers on the distribution panel.
3. Open the Allen screws of the inverter cover and carefully pull the cover horizontally before lowering it.

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.

Replacing the ON/OFF/P Switch

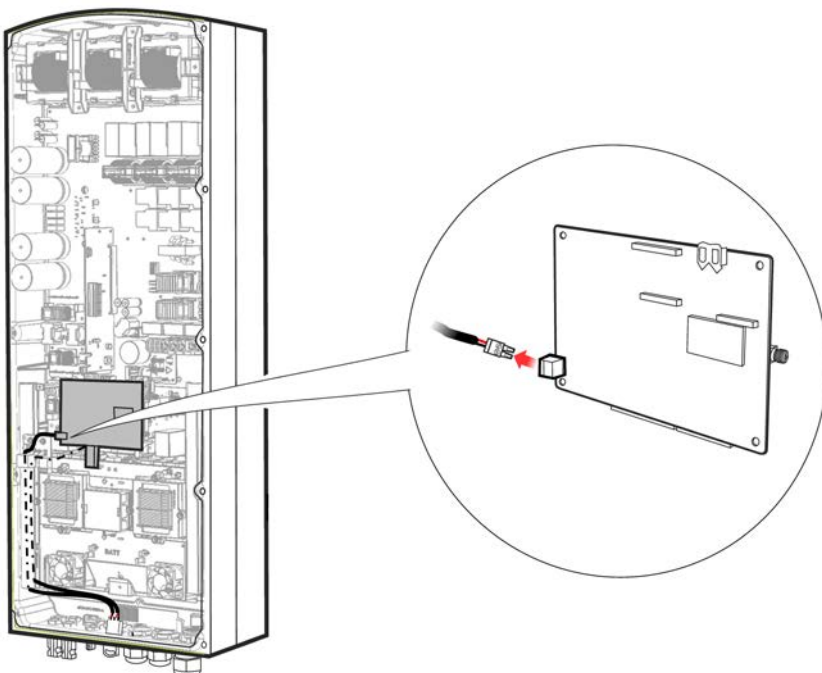
1. Disconnect all cables from the communication board, including the first switch cable.

NOTE

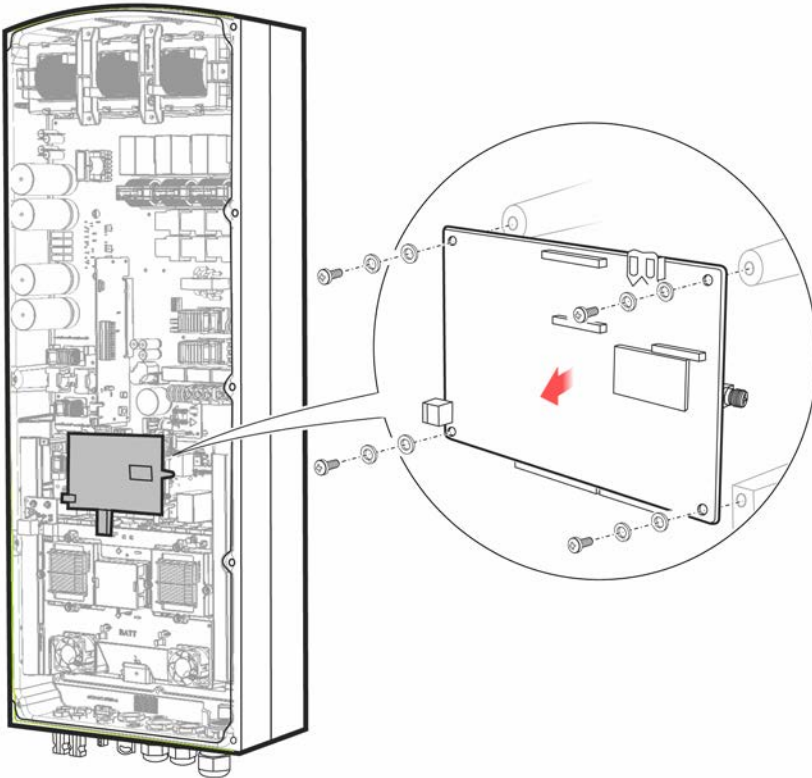


It is recommended to take a picture of the board before disconnecting any cables from it. This will help you reconnect the cables correctly after reinstalling the board.

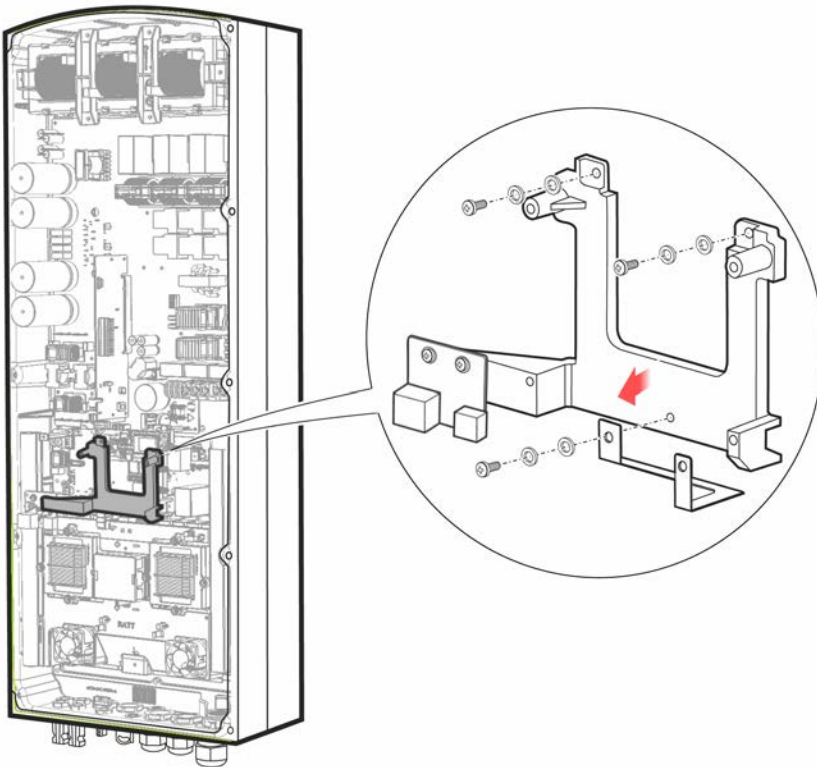
- 2.



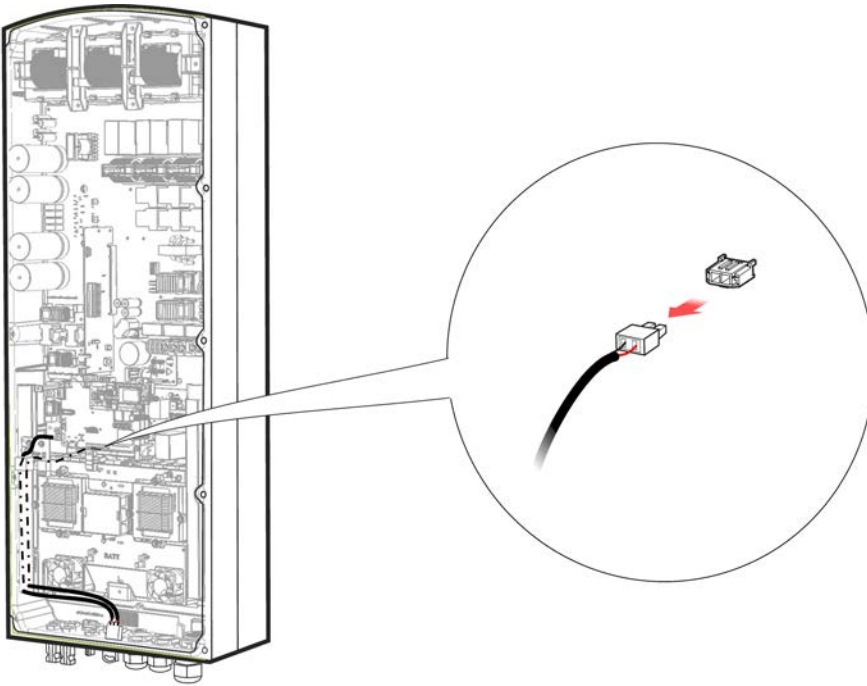
2. Release the four screws, with which the communication board is fastened to the plastic bracket, and remove the board.



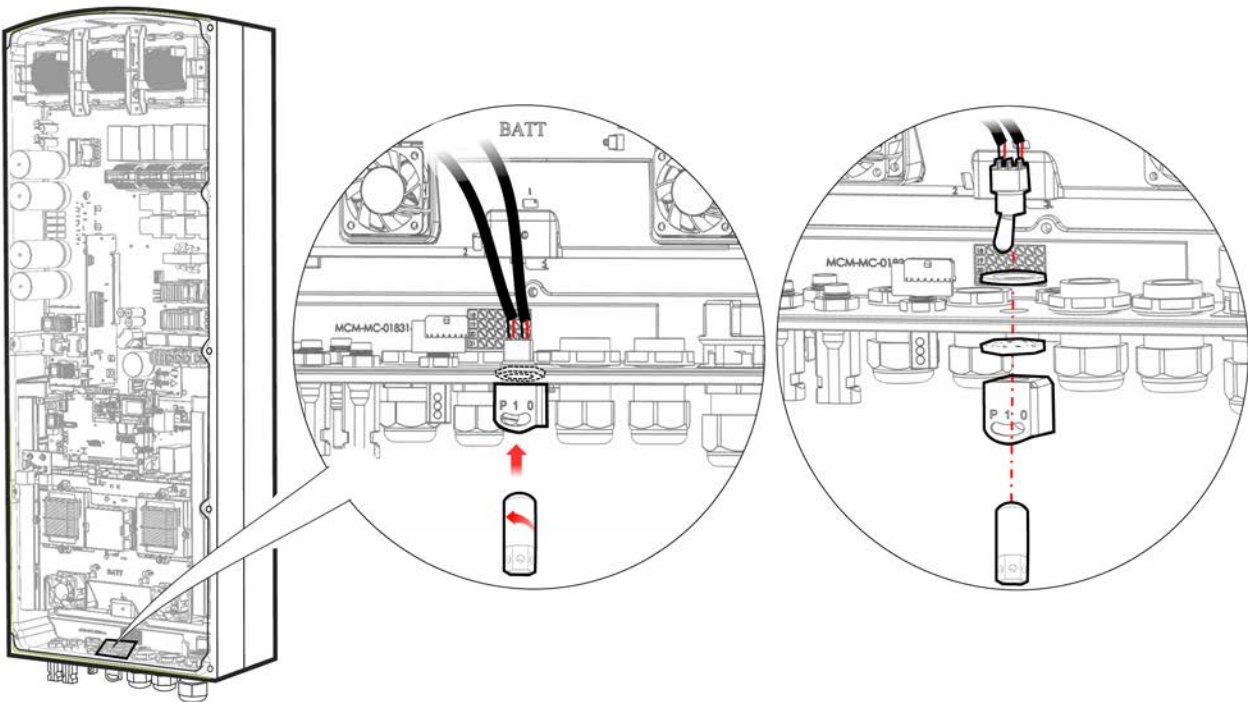
3. Release the three screws, with which the plastic bracket is fastened to standoffs.
4. Remove the plastic bracket together with the grounding strip.



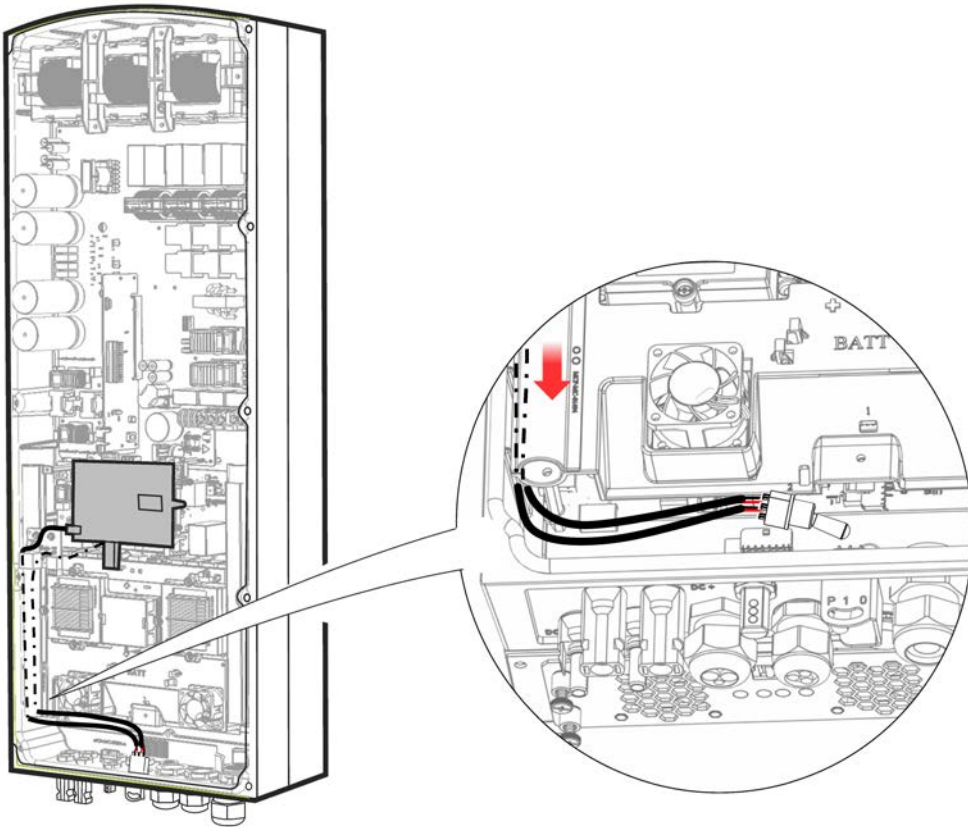
5. Disconnect the second switch cable from the power board.



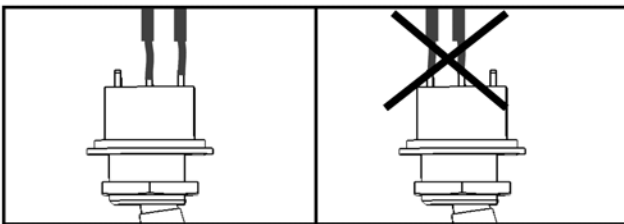
6. Release the mounting nut using the opening tool.
7. Remove the switch, gasket, mounting nut and switch shield. Keep the switch shield for use with the replacement switch.



8. Take a new switch and connect the second switch cable to the power board.
9. Place the plastic bracket on the standoffs and place the grounding strip on top of the plastic bracket.
10. Fasten the plastic bracket and grounding strip with the three screws. Apply a torque of 1.1 N*m (10 lb*in).
11. Place the communication board on the plastic bracket and fasten it with the four screws. Apply a torque of 1.1 N*m (10 lb*in).
12. Reconnect all cables to the communication board, including the first switch cable.
13. Pass the switch under the MC4 cables tunnel as shown in the picture below.



14. Install the new switch.
15. Make sure:
 - The switch shield's side with the 0/1/P marking is facing front.
 - The switch is moving freely between the modes.
 - The switch is correctly oriented.



16. Tighten the mounting nut with the opening tool.
17. Close the inverter cover and fasten it with the Allen screws. Apply a torque of 8.4N*m (74 lb*in).