

DC-to-DC Unit Fans Replacement in Three Phase StorEdge Inverters

Kit Contents

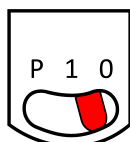
- Fan bracket with two fans and cables

Required Tools

- 5mm hex key
- Phillips screwdriver

Remove 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.

Remove the Communication Board

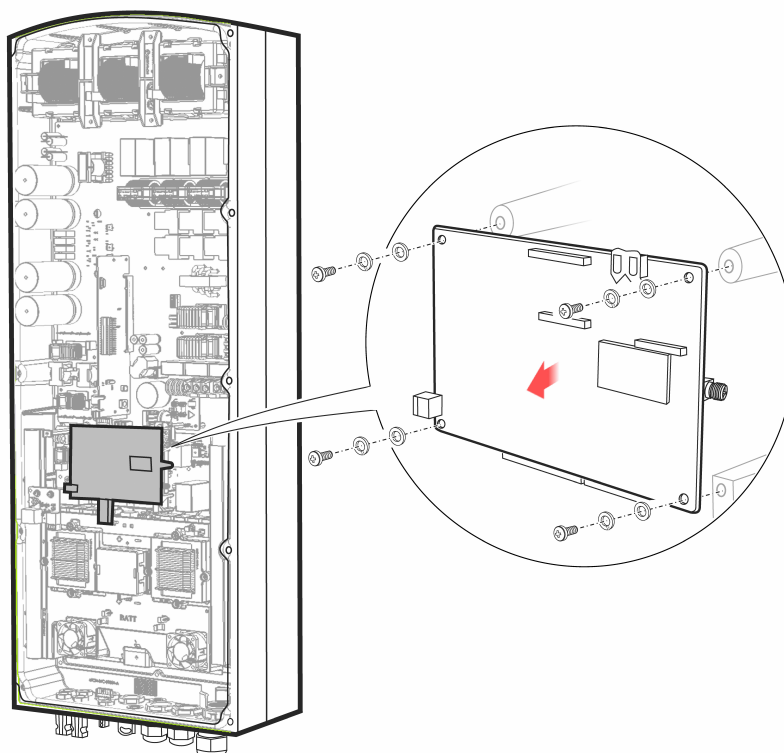
1. Disconnect all cables from the communication board.

NOTE



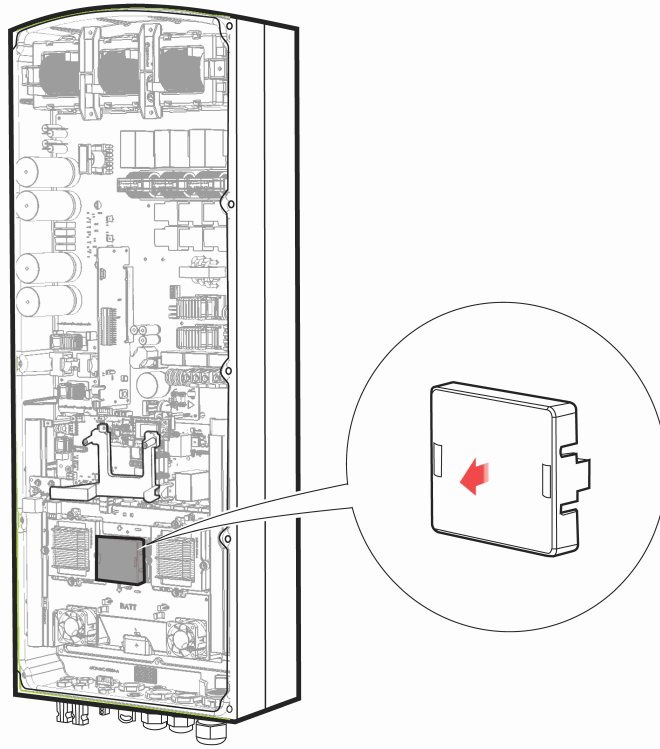
It is recommended to take a picture of the communication board before disconnecting any cables from it. This will help you reconnect the cables correctly after reinstalling the board.

2. Release the four screws that fasten the communication board to the plastic bracket and remove the communication board.

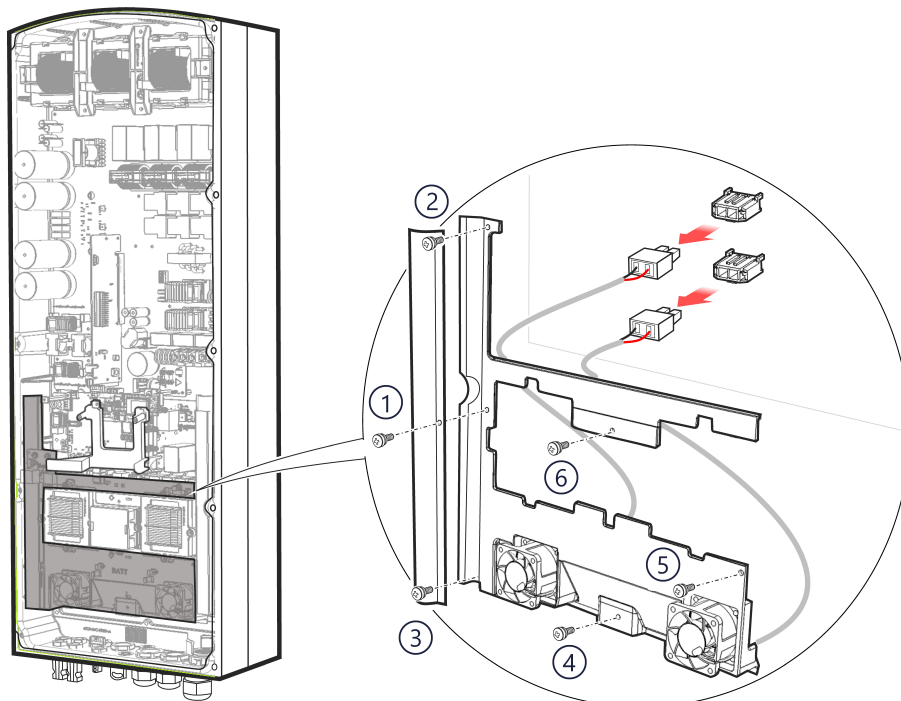


Remove the Fan Bracket

1. Remove the plastic shield from the battery cable terminals.



2. Release the screw that fastens the MC4 cable tunnel cover (Screw 1) and the remove cover.



3. Release the five screws that fasten the fan bracket (Screws 2–6). Note that Screw 4 differs from the other screws.
4. Disconnect the cables of the two fans from the power board.
5. Remove the fan bracket.

Install the New Fan Bracket

1. Connect the power cables of the two fans on the new fan bracket to the power board.
2. Mount the new fan bracket. Make sure to place the MC4 cables inside the tunnel groove.
3. Fasten the fan bracket with the five screws. Apply a torque of 1.1 N*m (10 lb*in).
4. Mount the MC4 cable tunnel cover and fasten it with the screw. Apply a torque of 1.1 N*m (10 lb*in).
5. Place the plastic shield on the battery cable terminals and push it gently until it locks into place.

Reinstall the Communication Board

1. 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).
2. Reconnect all cables to the communication board.
3. Close the inverter cover and fasten it with the Allen screws. Apply a torque of 8.4N*m (74 lb*in).