

DC Board Replacement in Three Phase Inverters

Kit Contents

- DC board

Required Tools

- 5mm hex key
- Phillips screwdriver
- Torque wrench

Removing the Inverter Cover

1. Move the inverter ON/OFF/P switch to OFF. Wait 5 minutes for the capacitors to discharge.
2. Switch off the Safety Switch (if applicable).
3. Disconnect the AC to the inverter by turning OFF the circuit breakers on the distribution panel.
4. 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 DC Board

CAUTION!



When performing the below steps, make sure not to damage any of the inverter components. SolarEdge will not be held responsible for any components damaged as a result of incautious replacement or handling.

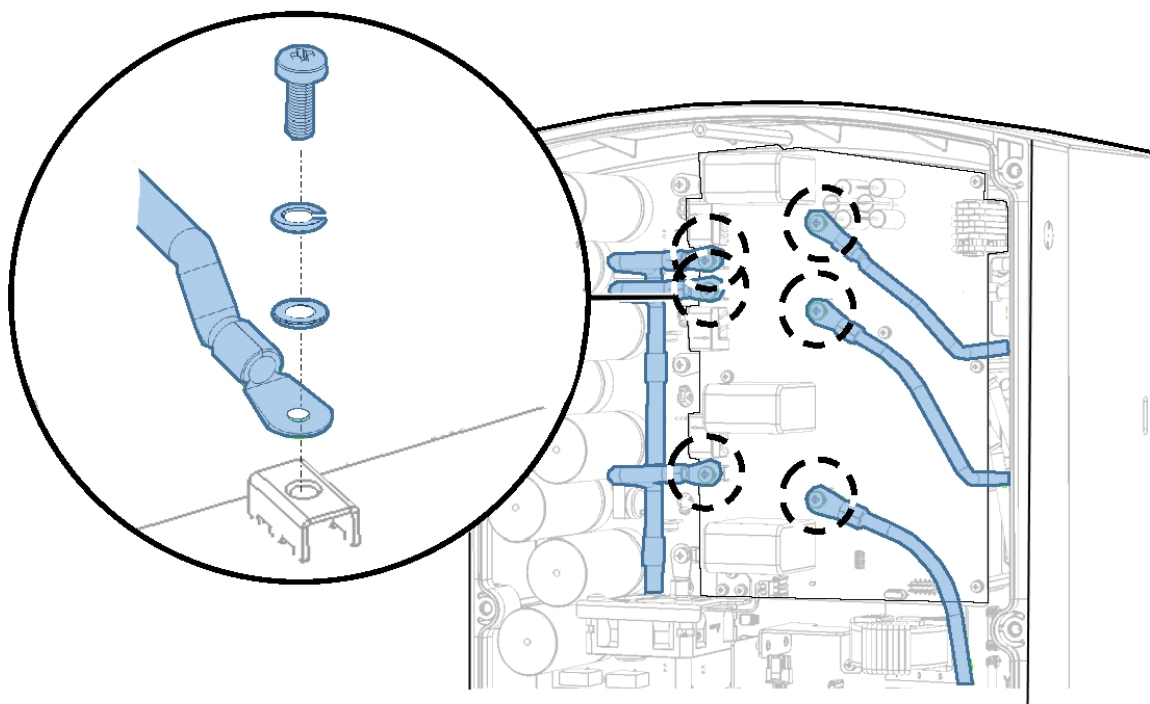
NOTE



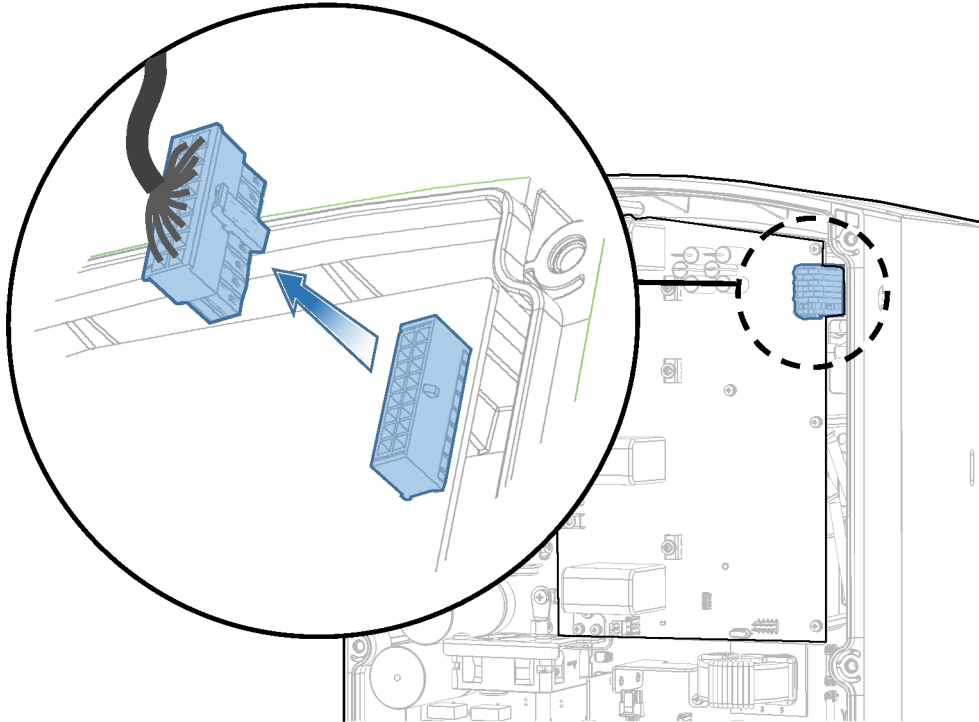
The below visuals are for illustration purposes only. The actual components may look different.

Removing the DC Board

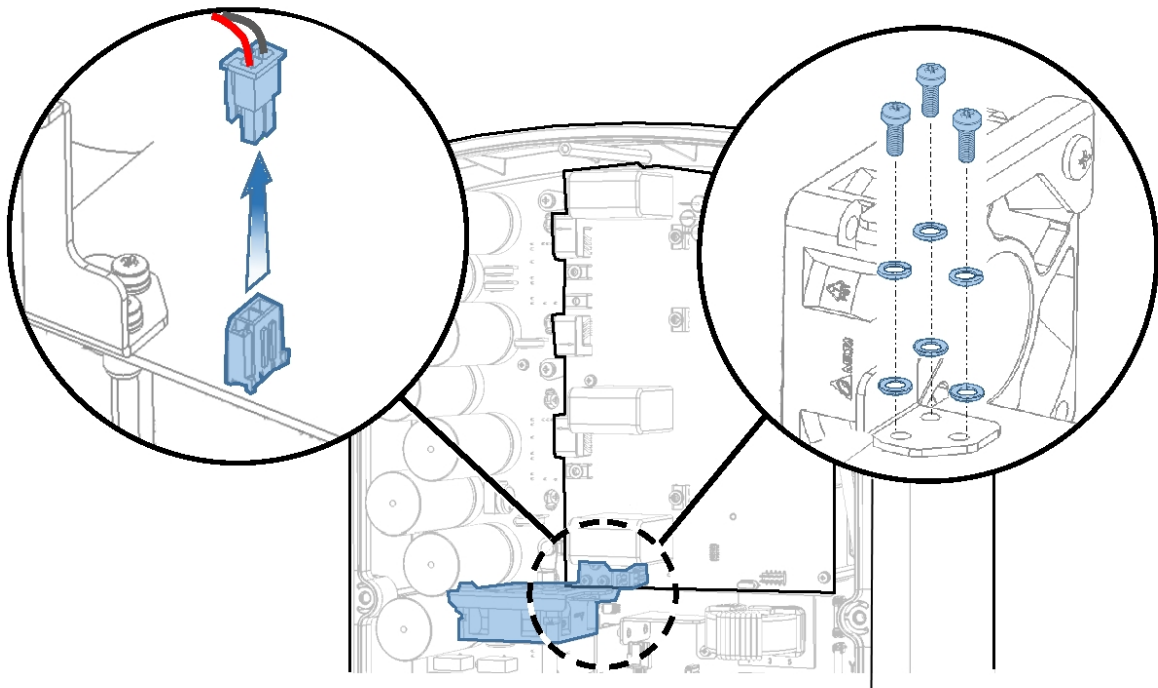
1. Release the screws that attach the six DC cables to the DC board. Set the screws, spring washers and flat washers aside for future use.



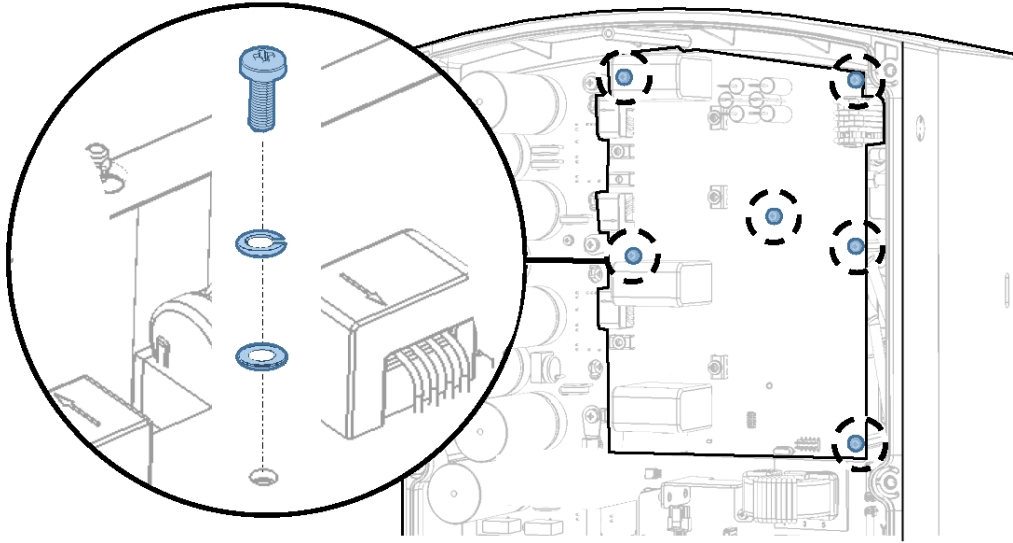
2. Disconnect the communication cable from the DC board.



3. Disconnect the fan power cable from the DC board.
4. Release the three screws that attach the fan holder to the DC board. Set the screws, spring washers and flat washers aside for future use.
5. Remove the fan.



6. Release the six screws that attach the DC board to the standoffs. Set the screws, spring washers and flat washers aside for future use.



7. Remove the DC board.

Installing the New DC Board

1. Place the new DC board on the standoffs. Make sure the screw holes in the board are aligned with the standoffs.
2. Fasten the new DC board to the standoffs with the six screws. Apply a torque of 1.3 N*m (12 lb*in).
3. Install the fan and fasten it to the DC board with the three screws. Apply a torque of 1.3 N*m (12 lb*in).
4. Connect the fan power cable to the DC board.
5. Connect the communication cable to the DC board.
6. Connect the six DC cables to the DC board and fasten them with the screws. Apply a torque of 2.5 N*m (22 lb*in).
7. Close the inverter cover and fasten it with the Allen screws. Apply a torque of 3.5 N*m (30 lb*in).