

Home Hub 3 Ph Inverter Single AC Ferrite Support kit

This manual describes how to replace the Single AC Ferrite.

Kit Contents

■ Home Hub 3 PH Inverter Single AC Ferrite Support kit P/N **FLD-AG-48B-SERT-A-01**

Required Tools

- Torque screwdriver for 1/4" hex bit
- 4 mm Allen hex bit
- Flat screwdriver

Removing the Cover

1. Turn the ON/OFF/P Toggle Switch OFF (0).



Figure 1: ON/OFF/P toggle switch OFF

2. Disconnect AC power to the inverter by turning OFF the main circuit breakers or disconnecting the fuses in the power distribution panel and wait for five minutes for the DC Voltage inside the inverter to drop to a safe level before proceeding to the next step. Lock the power distribution panel and keep the key in your pocket.
3. Turn OFF the battery.
4. Use a 4 mm Allen hex bit to loosen all 10 screws in the following sequence. Turn all the screws half a turn and remove the cover.

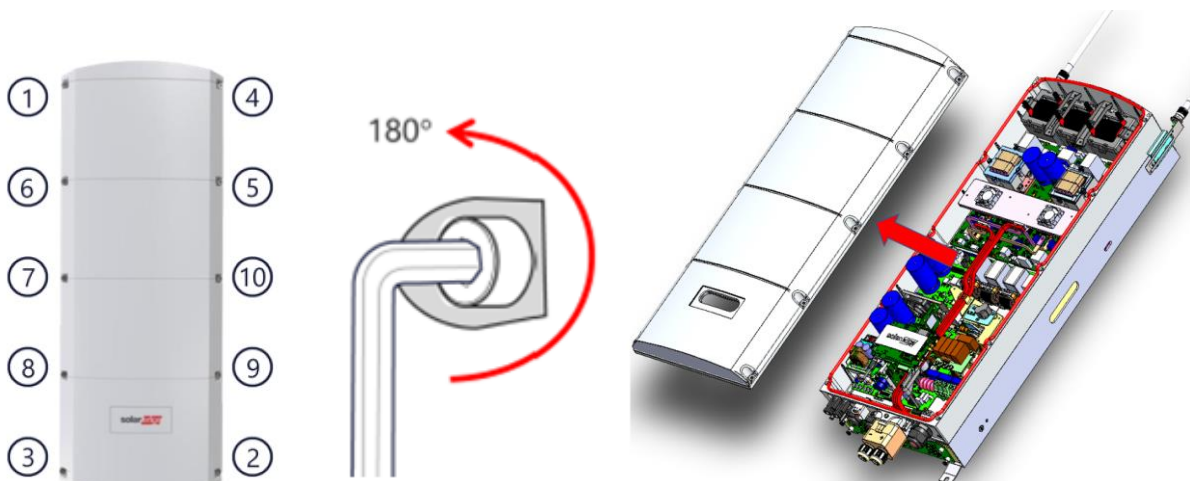


Figure 2: remove Cover

5. Keep the cover and screws for reassembly.

Removing the Damaged Single AC Ferrite

1. Before disconnecting any AC cables, make sure they are properly marked. If not, mark each cable with its position.

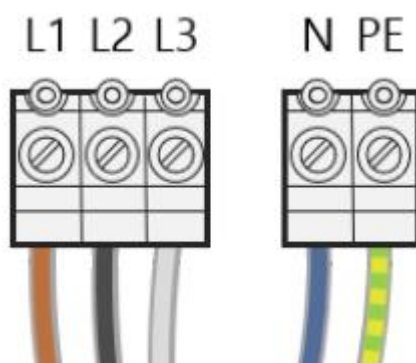


Figure 3: cable color and position

2. Use a flat screwdriver to loosen the five screws clamping the AC cables. Do not remove the screws.
3. Lift the damaged AC Ferrite over the cables and remove it.
4. Discard the damaged AC Ferrite.

Installing the Replacement AC Ferrite

1. Remove the new AC Ferrite from the packaging.
2. Slide the new AC Ferrite over the cables.
3. Insert cable five cables into the connector in the correct positions.
4. Tighten the connection screws to a torque of 1.5 N*m / 13.3 lbf*in. Pull the connector gently to make sure they are properly connected.

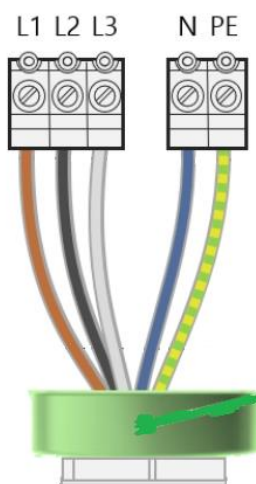


Figure 4: AC Ferrite

Remounting the Cover Assembly

1. Place the cover in position and insert the 10 screws.
2. Use a 4 mm hex bit and a torque wrench to tighten the 10 screws to a torque of 4 N*m / 35.4 lbf*in.
3. Tighten the screws in the following sequence:

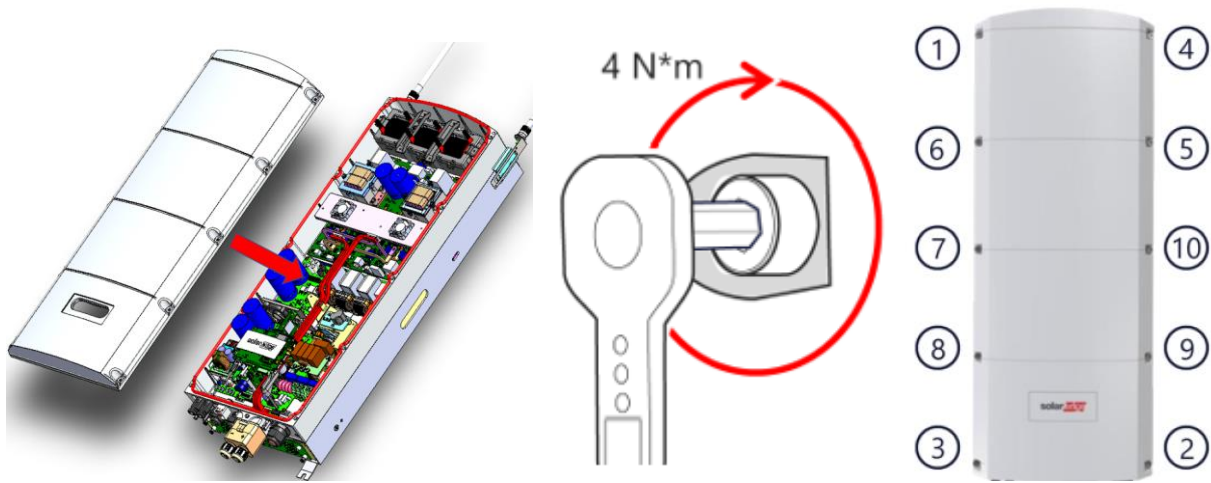


Figure 5: screw tightening sequence

4. Unlock the power distribution panel and turn ON the main AC circuit breaker or connect the fuses.
5. Turn the ON/OFF/P Toggle Switch of the Home Hub 3 Ph Inverter to ON (1).



Figure 6: ON/OFF/P toggle switch ON