

Home Hub 3 Ph Inverter DC Connection Box Support kit

This manual describes how to replace the DC Connection Box. P/N **FLD-AG-48B-DCCN-A-01**

Kit Contents

- Home Hub 3 PH Inverter DC Connection Box Support kit.

Required Tools

- PH 2 Philips screwdriver
- 10 mm A/F socket wrench
- Flat screwdriver

Turning OFF the Inverter

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.

Removing the Damaged DC Connection Box

1. Loosen the two DC cables cable gland nuts. Allow the nuts to slip down the DC cables.

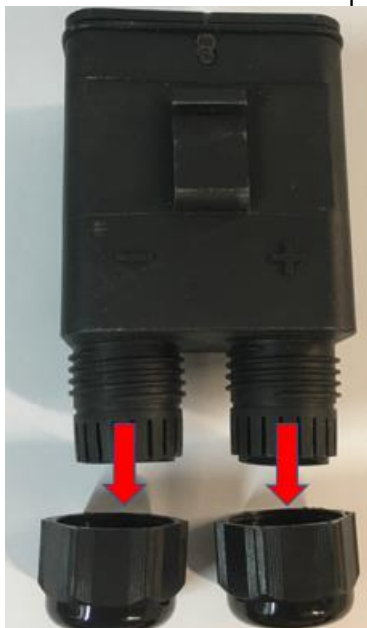


Figure 2: remove nuts of the cable gland

2. Use a PH 2 Philips screwdriver to loosen the screw holding the DC Connection Box in place. Do not remove the screw.

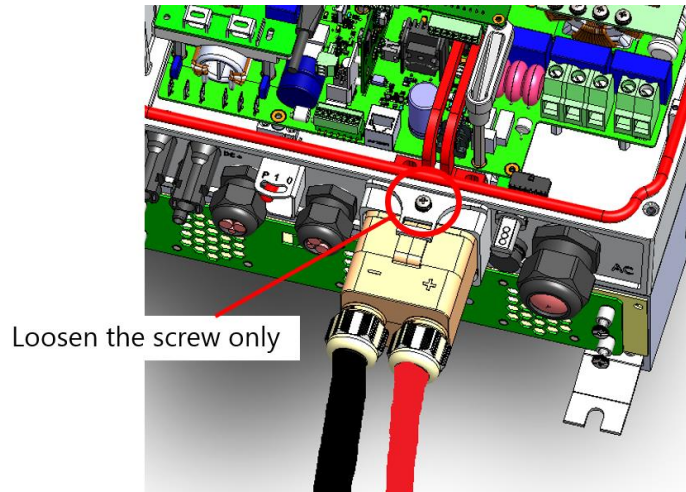


Figure 3: loosen DC Connection Box holding screw

3. Use a Flat screwdriver to release the DC Connection Box snap.
4. Pull the DC Connection Box out of the inverter.
5. Slide the DC Connection Box over the DC cables to expose the cable shoe-fixing nuts.

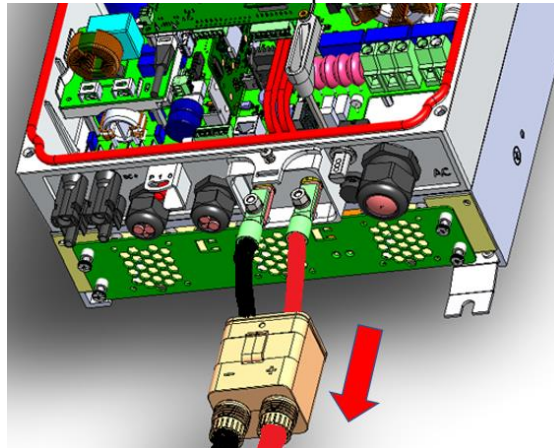


Figure 4: remove the DC Connection Box

6. Before disconnecting any DC cables, make sure they are properly marked. If not, mark each cable with its position.
7. Use a 10 mm A/F socket wrench to remove the nuts holding the DC cables in place. Keep the nuts and washers for reassembly.
8. Pull the DC cables out of the DC Connection Box.

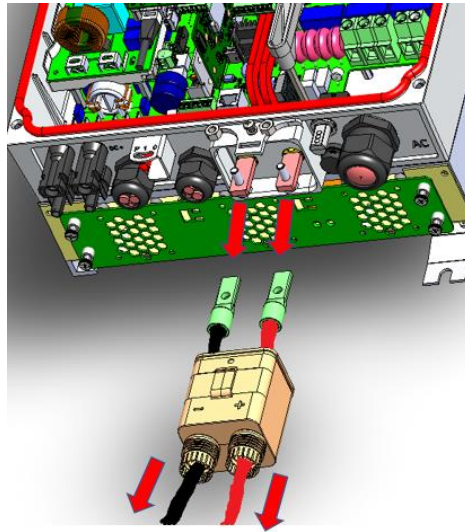


Figure 5: remove the DC cables from the DC Connection Box

9. Discard the damaged DC Connection Box.

Installing the Replacement DC Connection Box

1. Remove the new DC Connection Box from the packaging.
2. Route the DC cables through the new DC Connection Box. Make sure that **RED** DC cable and **BLACK** DC cable are in the correct position.
3. Re-connector the DC cables, insert the nut and washers, and use a 10 mm A/F socket wrench and a torque wrench to tighten the nuts to a torque of 8 N*m / 71 lbf*in.

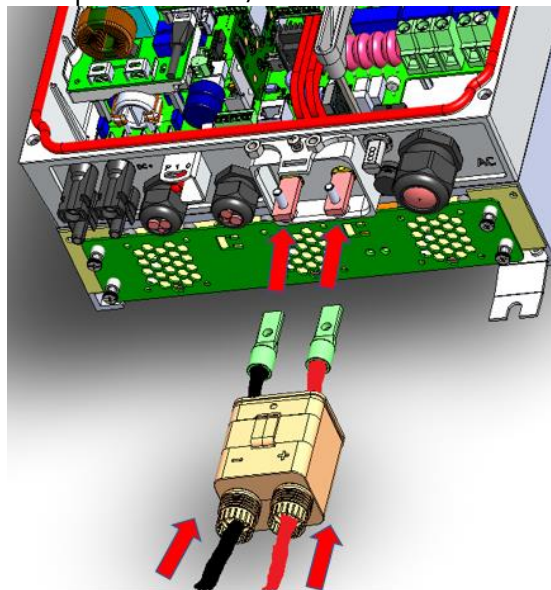


Figure 6: reconnect DC cables

4. Push the DC Connection Box into position until you hear a click and make sure the snap is securely locked.
5. Use a PH 2 Philips screwdriver and a torque wrench to tighten the DC Connection Box holding screw to a torque of 2.2 N*m / 19.5 lbf*in.
6. Replace the DC cable gland nuts and tighten to a torque of 2.8 N*m / 24.8 lbf*in.

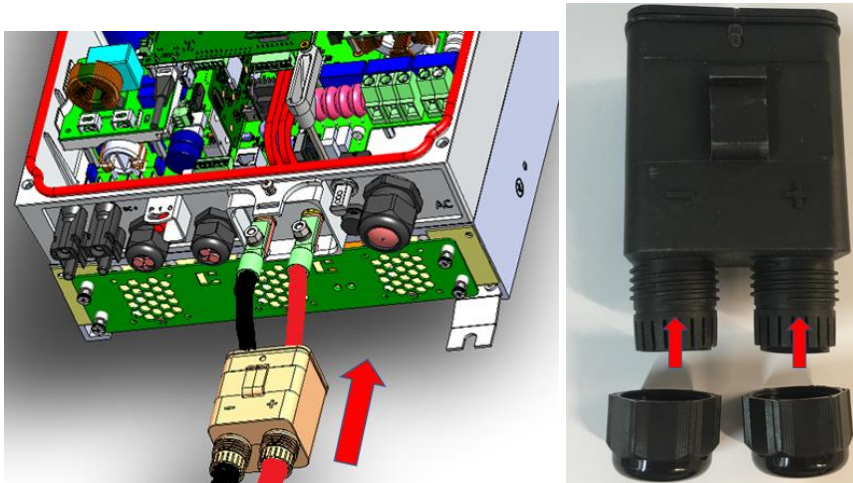


Figure 7: replace DC Connection Box & cable gland nuts

Turning ON the inverter

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



Figure 8: ON/OFF/P toggle switch ON