

## Replacing an Inverter Module of the HD-Wave PCE

Note: SolarEdge replaceable inverter modules are mechanically interlocked with the DC Switch Disconnect, located within the DC Safety Unit section.

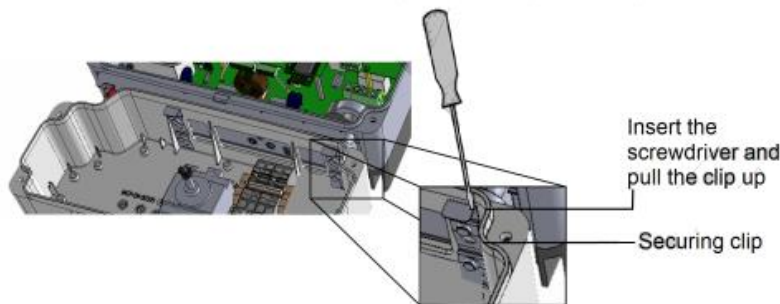
1. Turn OFF the inverter ON/OFF switch, and wait until the LCD indicates that the DC voltage is safe (<50V), or wait five minutes before continuing to the next step.



**WARNING!**

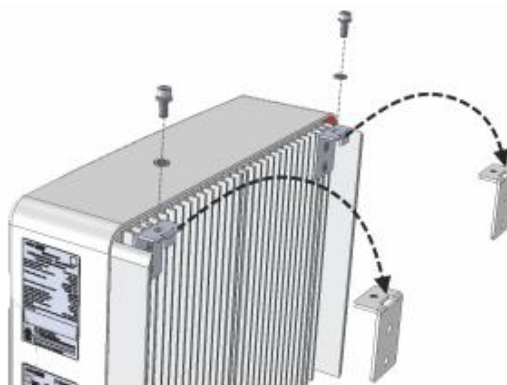
If you cannot see the inverter panel, or if a malfunction is indicated on the LCD panel, wait five minutes for the input capacitors of the inverter to discharge.

2. Isolate the AC to the inverter by turning OFF and locking out the adjacent “AC Isolator” or circuit breaker of the distribution panel.
3. Turn OFF the DC Safety Unit section “PV Array DC Isolator”.
4. Open the DC Safety Unit section cover: Release the four Allen screws and remove the cover.
5. Open the inverter module cover as described in Removing the Inverter Cover in the Installation Guide.
6. Disconnect the DC and AC cables from the inverter module and draw these down into the DC Safety Unit section.
7. Disconnect and withdraw any additional wires that may be connected to the inverter module, including:
  - Antenna cable from the communication board
  - LAN cable
  - RS485 cables
  - DRM0 or RRCR cables
8. Release the replaceable inverter module from the inverter by opening the two clips securing the Inverter module to the DC Safety Unit section: Carefully place a screwdriver between the clip and the enclosure and pull the clip.



**Figure 1: Releasing the clips**

9. Remove the screws securing the inverter module to the mounting brackets and lift the inverter module from the mounting bracket.

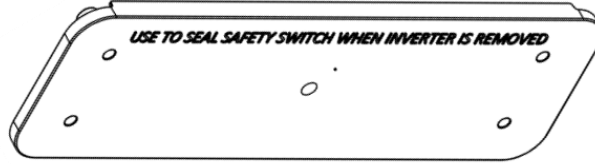


**Figure 2: Inverter mounting brackets**

**NOTE**

If you remove the old inverter module and do not immediately install a new one, then:

- a) Fit insulated terminals to the ends of each of the AC and DC wires.
- b) Install the DC Safety Unit blanking plate supplied with the inverter (see Figure 3) and secure with retaining clips.
- c) Lock the DC Safety Unit in the OFF position using a lock on the switch.
- d) Lock the AC Isolator or MCB adjacent to the inverter with a suitable lock.



**Figure 3: DC Safety Unit blanking plate**

10. Place the new inverter module on the mounting brackets and secure it using the screws.
11. Insert the AC and DC wires from the DC Safety Unit section up into the openings in the inverter module.
12. Align and fasten the two clips securing the inverter module to the DC Safety Unit.
13. Reconnect the AC and DC cables from the DC Safety Unit section into the inverter module AC and DC terminals.
14. Close the inverter module and DC Safety Unit section covers.
15. Perform the commissioning steps as described in Commissioning the Installation in the Installation Guide.