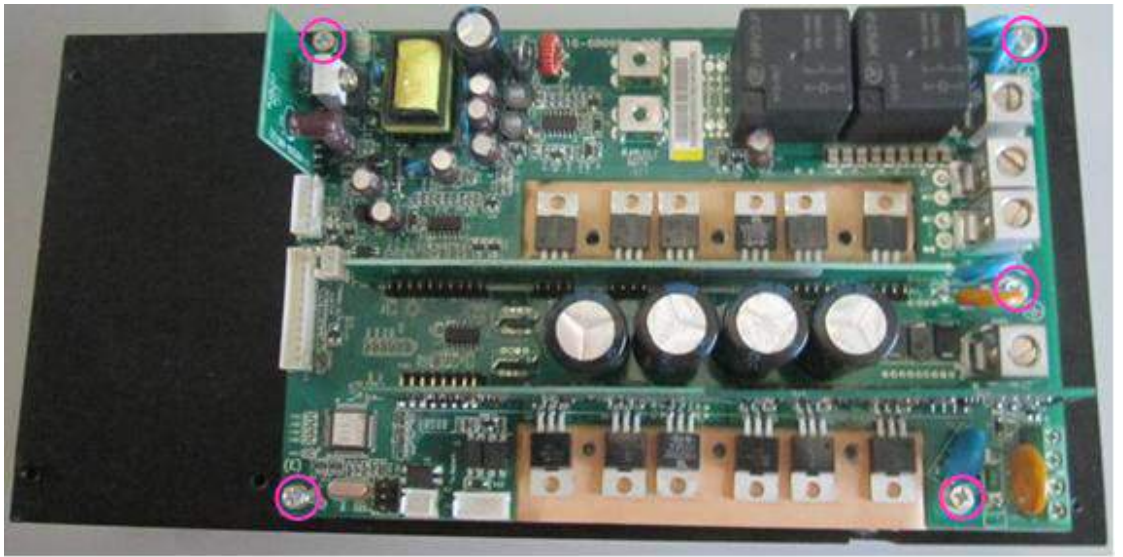


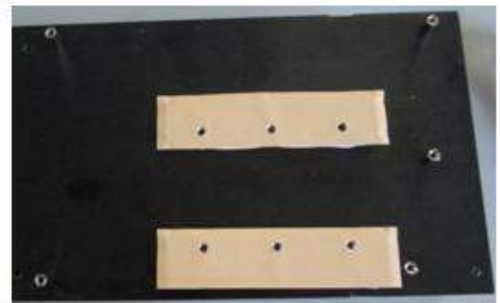
SERVICE MANUAL

Inverter 4KVA/5KVA

Remove the screws on the charger board.



Take off the charger board. Until now the finish the SCC board disassembly.

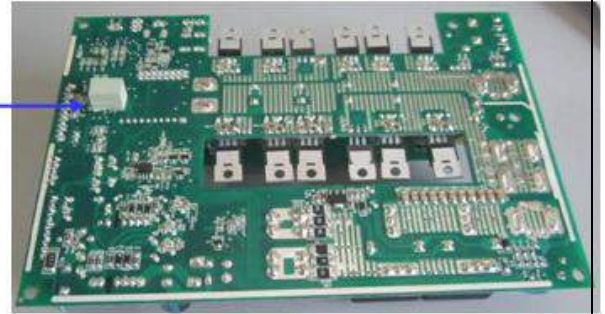
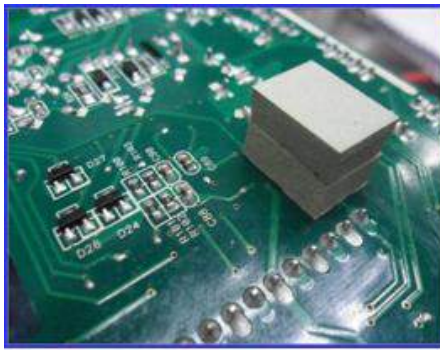


Note: If you want to replace a new charger board, before you put it on the bottom heatsink. You should follow the steps as below.

Cut off the spare PCB under the mosfet. It is best use an oblique mouth clamp to help you to remove the connection point. Be careful do not let the mosfet out of the shape.



Get the silicon pad from the old main board to the new main board. Keep the pad in the right position.

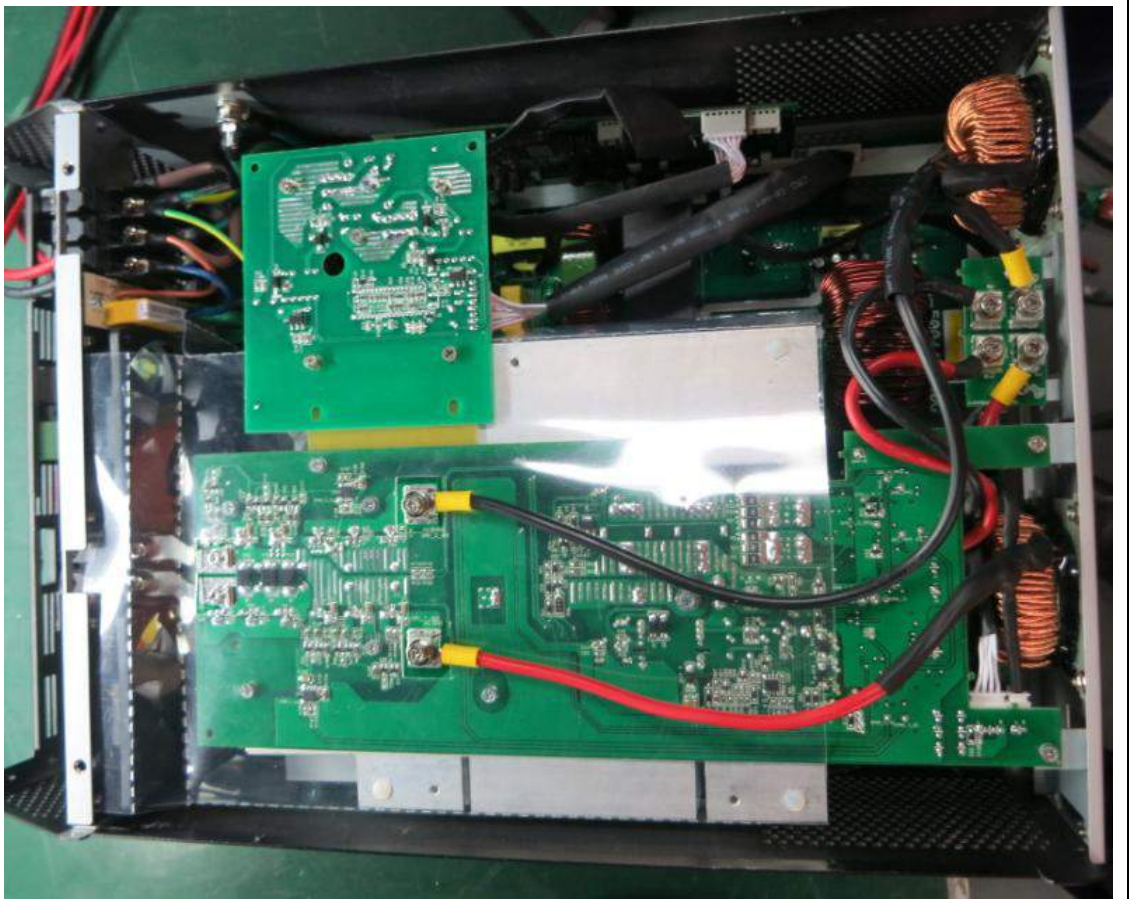


Note: When you put the depression bar on the mosfet, and ready to screw the screw, be sure the bar in the right position as below. Before you start to screw, it is best to use the other hand to hold the bar, to avoid the bar moving when fixed the screw.

4.3 INVERTER MPPT 4KVA/5KVA (NEW VERISON)

The steps are similar with OLD ones, the difference is focused on SCC board part. Here we only show some critical steps to tell you how to remove SCC board.

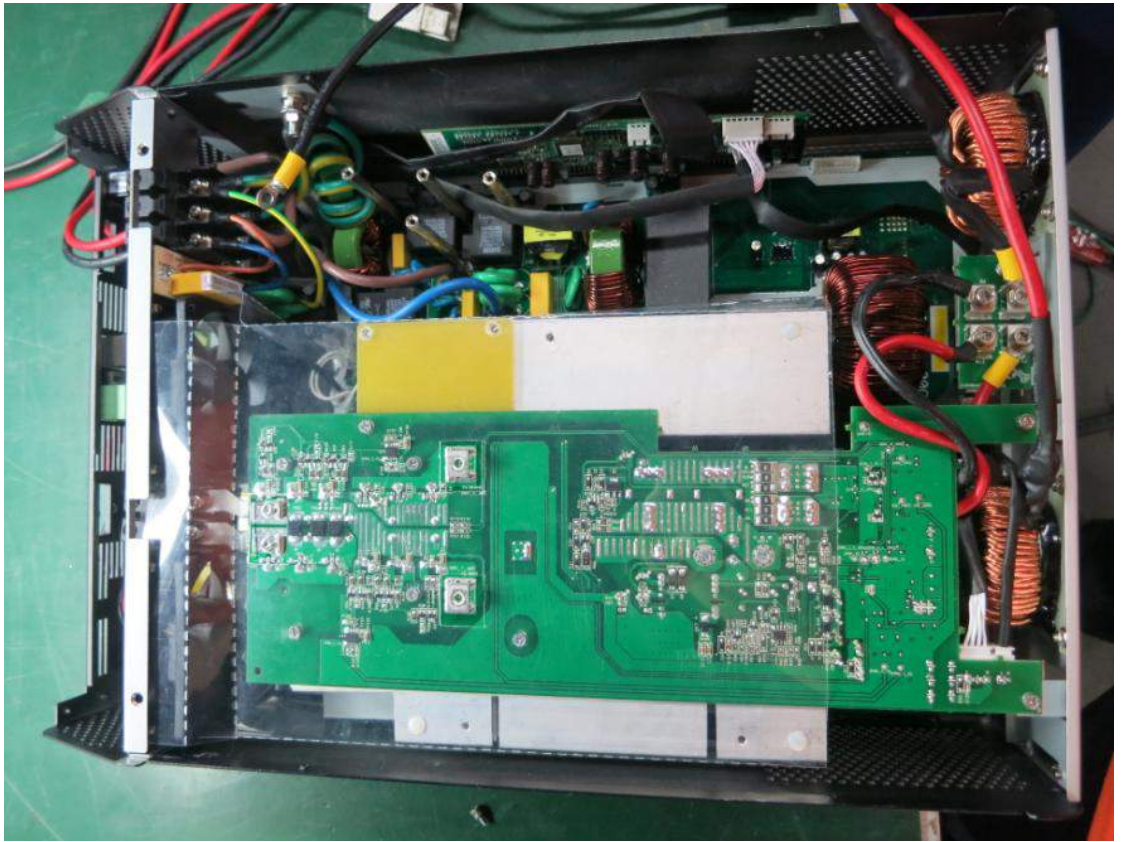
First open the top cover, the inside is showed as right.



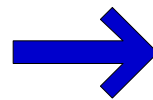
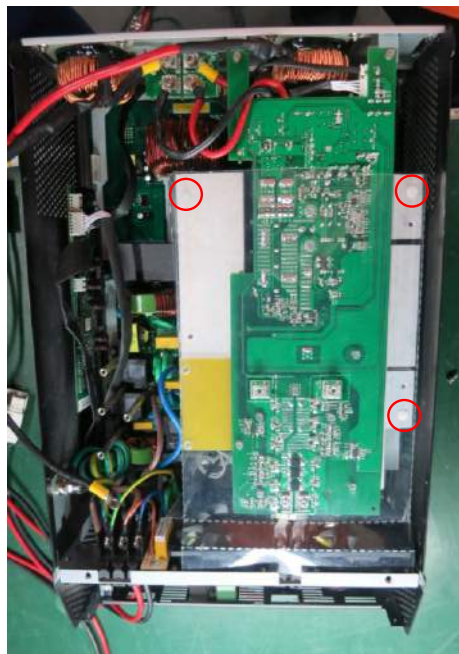
SERVICE MANUAL

Inverter 4KVA/5KVA

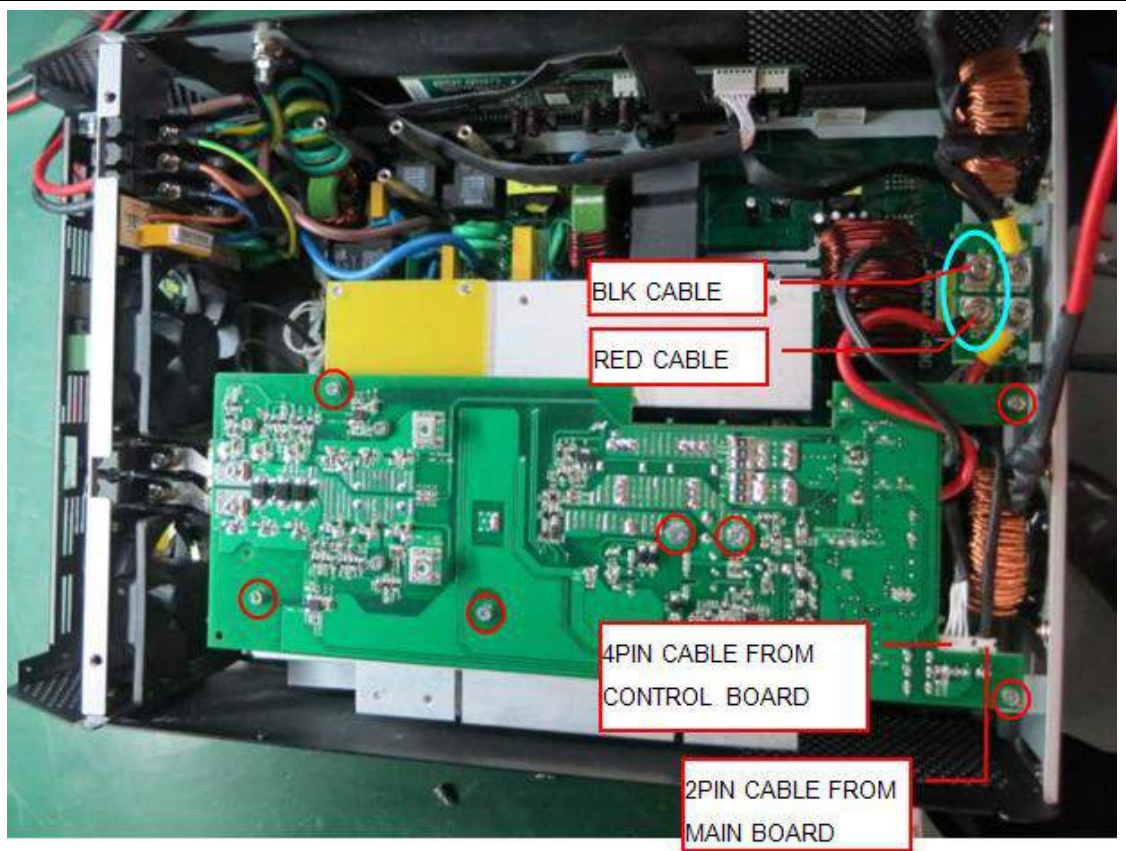
Remove the black and red cables on the SCC board. Remove the parallel power board also.



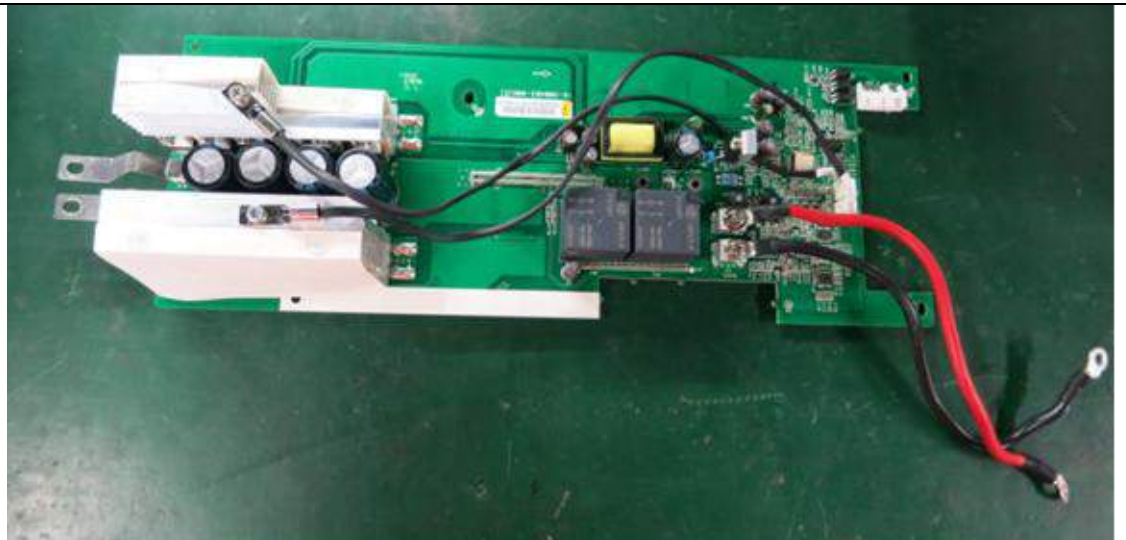
Remove the plastic screws on the air flow paper to take out the paper.



Remove the screws mark in red and blue. Plug out the 4 pin cable and 2 pin cable.



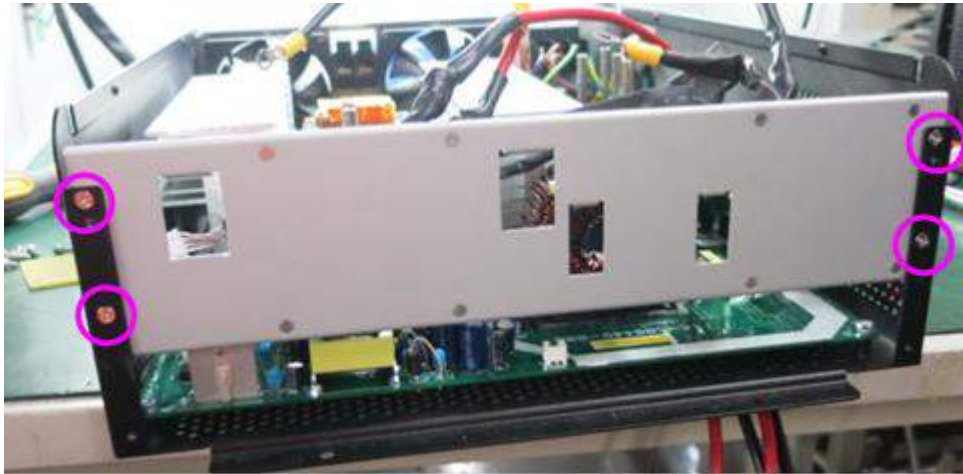
Take out the SCC board.



SERVICE MANUAL

Inverter 4KVA/5KVA

If you want to take the inductor pallet off, you can remove the screws showed in the figure.



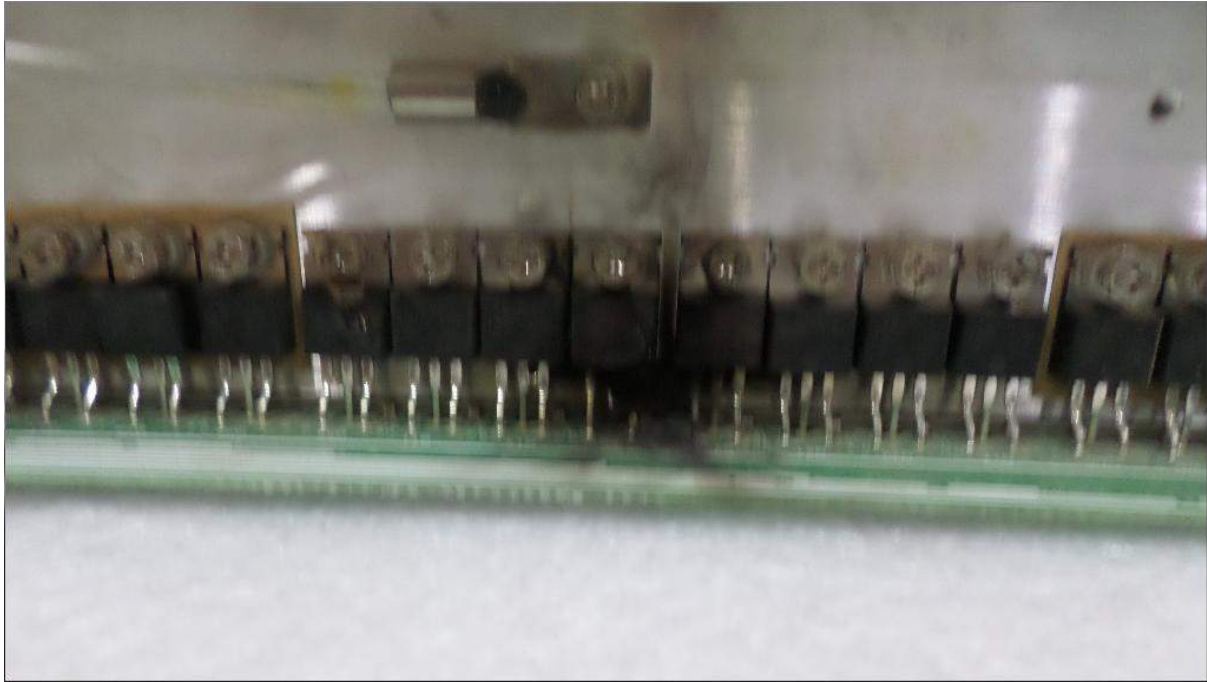
After you remove the inductor pallet, the inverter is the same with PWM without SCC.



5. Common fault case

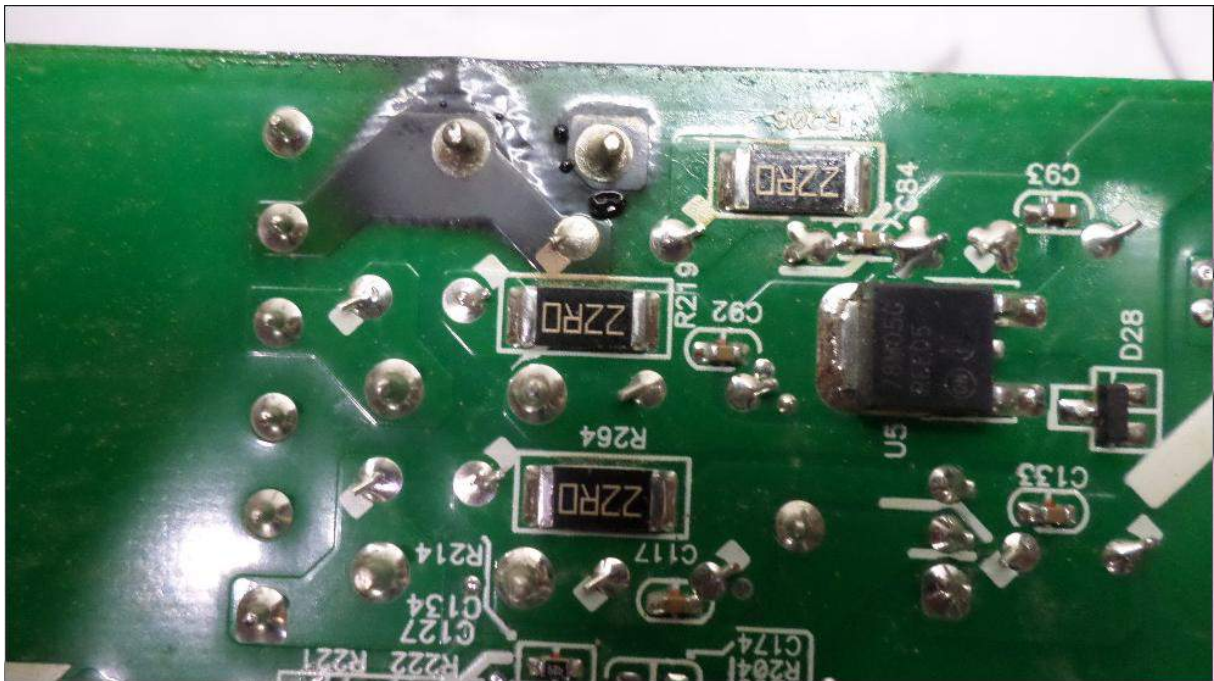
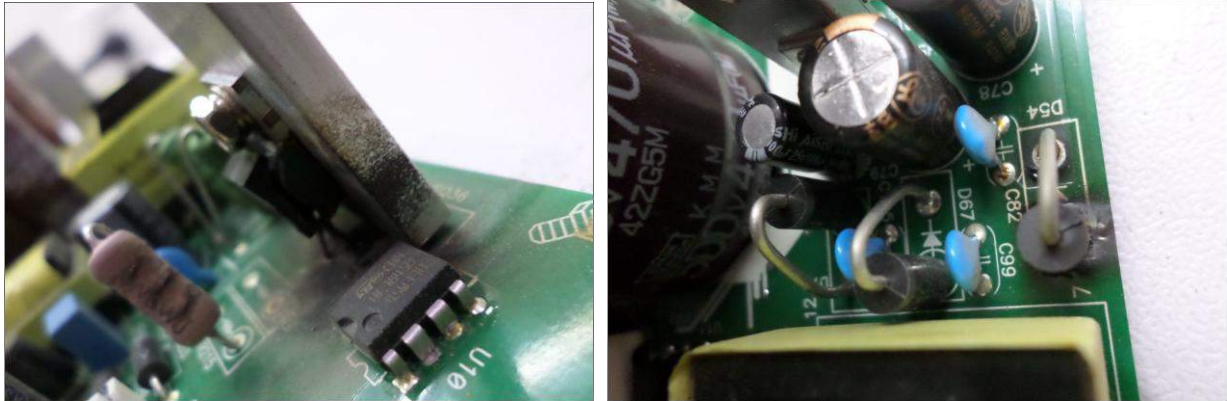
5.1 DC-DC mosfet damaged

As follow, because of the DC-DC mosfet damaged, the inverter couldn't startup completely. You should repair the main board or replace it directly.



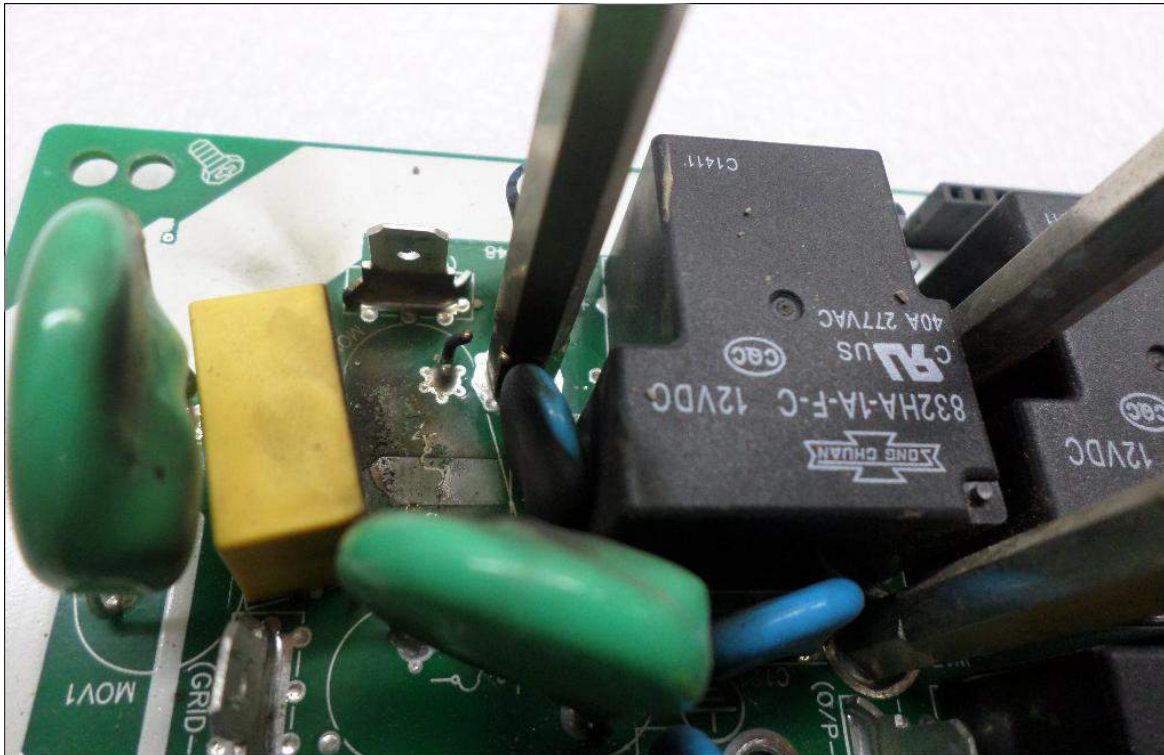
5.2 Bat SPS module damaged

As follow, because of the Bat SPS damaged, the inverter couldn't startup completely. You should change new components or replace new main board.



5.3 MOV (Metal oxide varistors) damaged

As follow, because of the MOV damaged, the inverter couldn't absorb AC surge. You should change new components.



5.4 AC SPS module damaged

As follow, because of the AC SPS damaged, the inverter couldn't AC charge when switch off. You should change new components or replace new main board.

