Replacement of 2400 Capacitor Board - P/N 579532

(Please refer to front view of the GPU to locate the Interface Board)

1

Switch off the converter and wait 5 minutes before you remove any covers / panels to replace the Capacitor Board.

Warning!

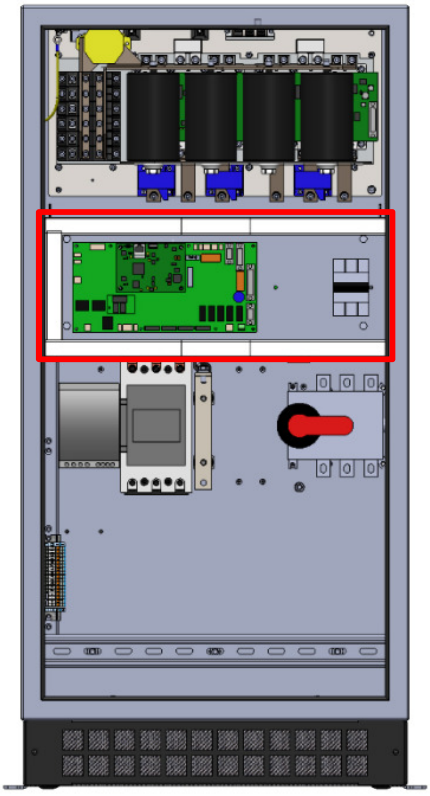
Capacitors remain charged to dangerous voltages.
Discharge time: 5 minutes

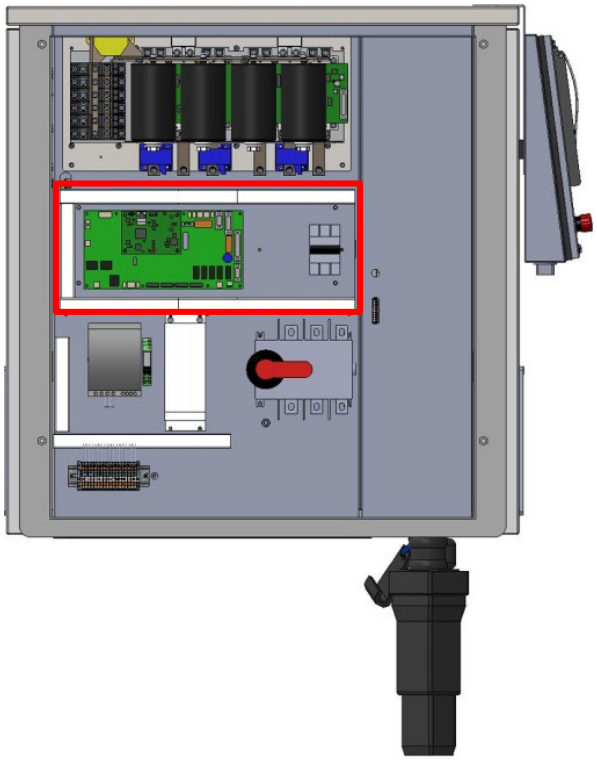
To access the Capacitor Board, please remove the protective cover, located behind the front door.

Caution!
Check that DC Voltage on the DC-Busbar, has discharged before proceeding.

2

To access the Capacitor Board, located behind the Base Plate containing Interface Board / Control Board and the MCB,
the Base Plate marked with ☐ has to be removed.



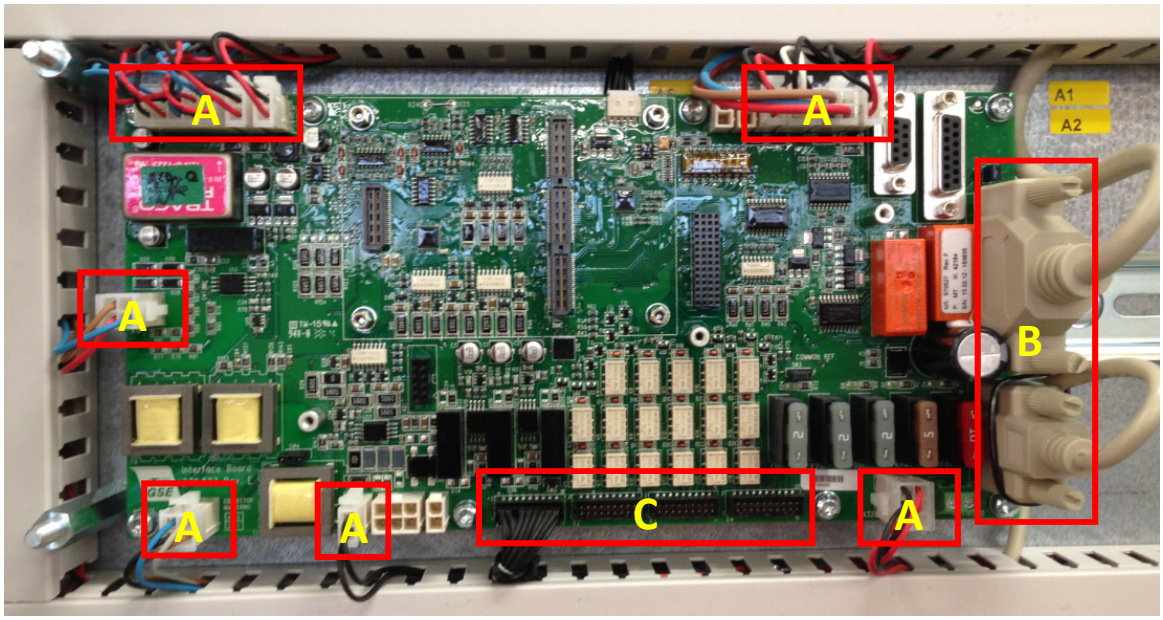


3

A. Disconnect all plugs marked **A**

B. Disconnect Display & Inverter Module plugs marked **B**

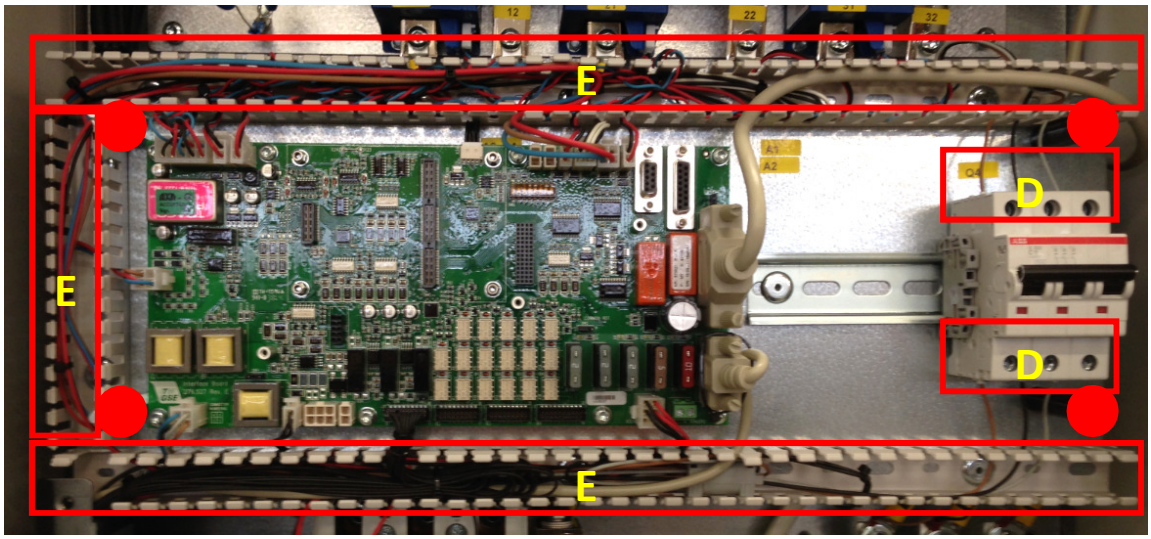
C. Disconnect I/O connection plug(s) marked **C**



D. Remove the 2 x 3 wires from the MCB marked **D**

E. Remove the 3 cable tray lids and pull all cables out of the cable tray marked **E**

F. Take out the 4 spacers marked ●



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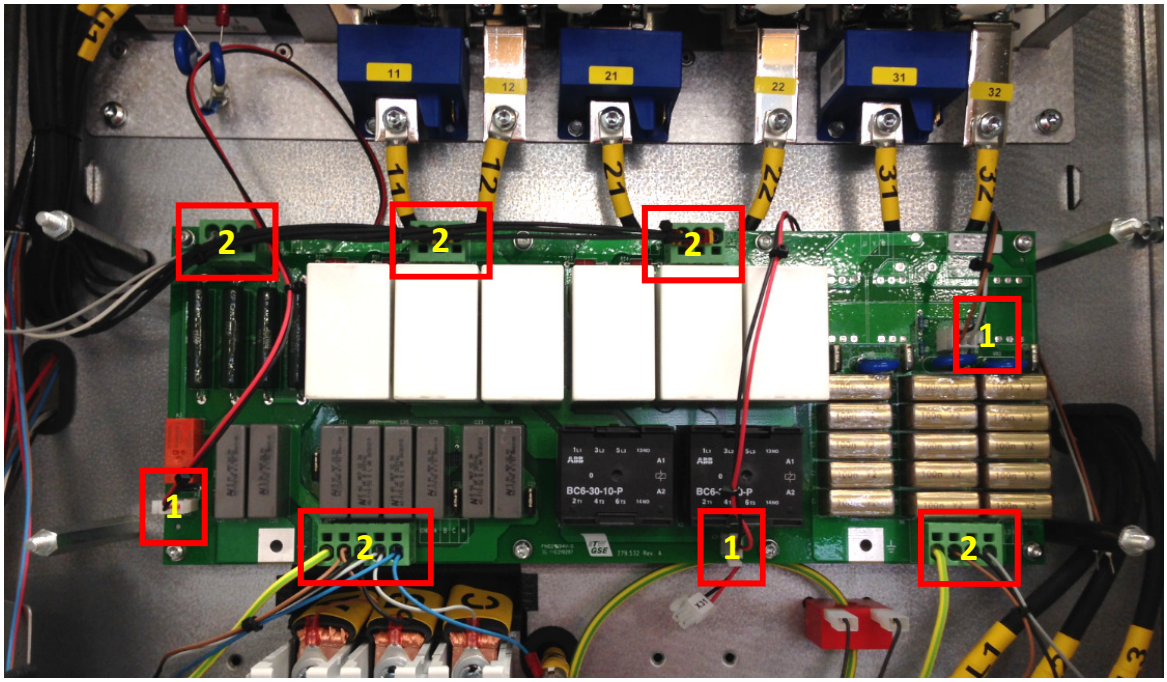
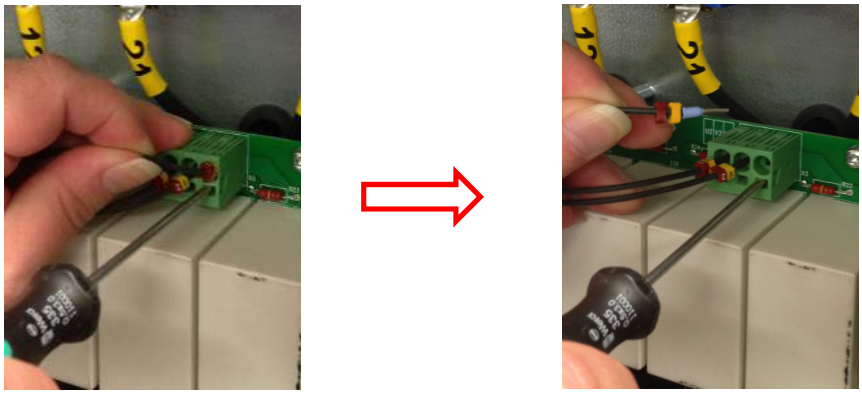
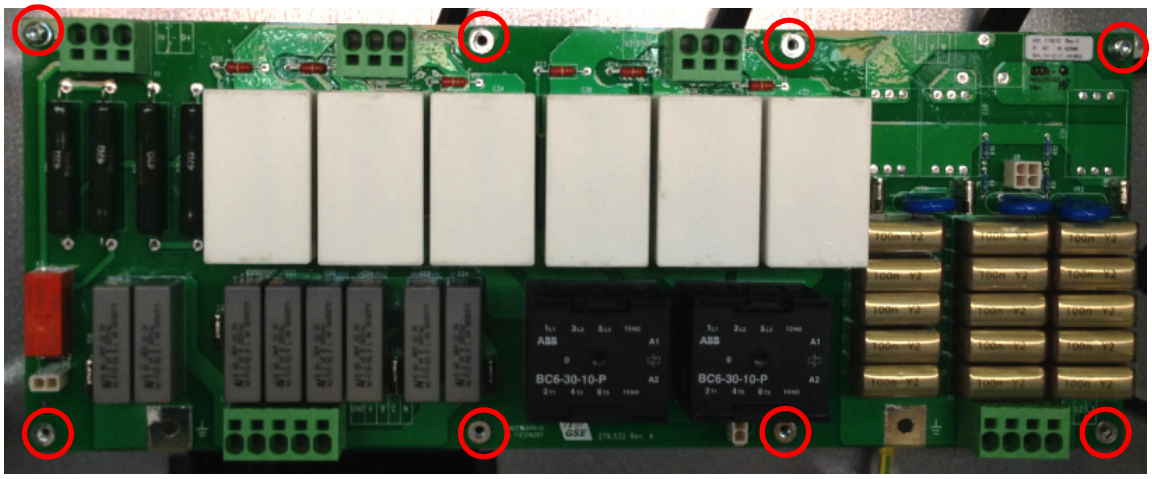
4	Remove the Base Plate from the unit and keep it in a safe place.
5	Now the Capacitor can be accessed. 1. Disconnect plugs marked **1** and retain cables.  2. Disconnect / release cables from terminals marked **2** and retain cables that ends up having no connections. **Note!** The cables are disconnected by using a small flat screwdriver, inserted & gently pressed forward into the spring-cage release hole and pulling the cable at the same time. 

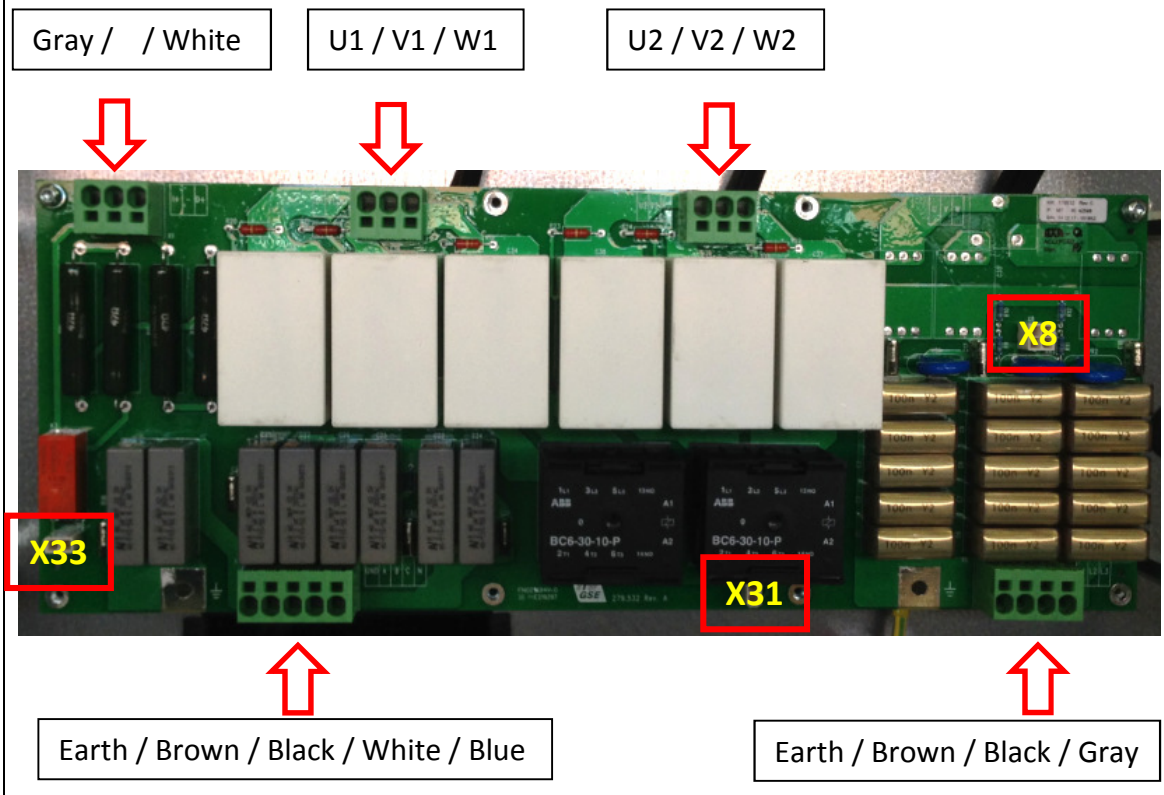
3. Take out the 8 screws marked ○

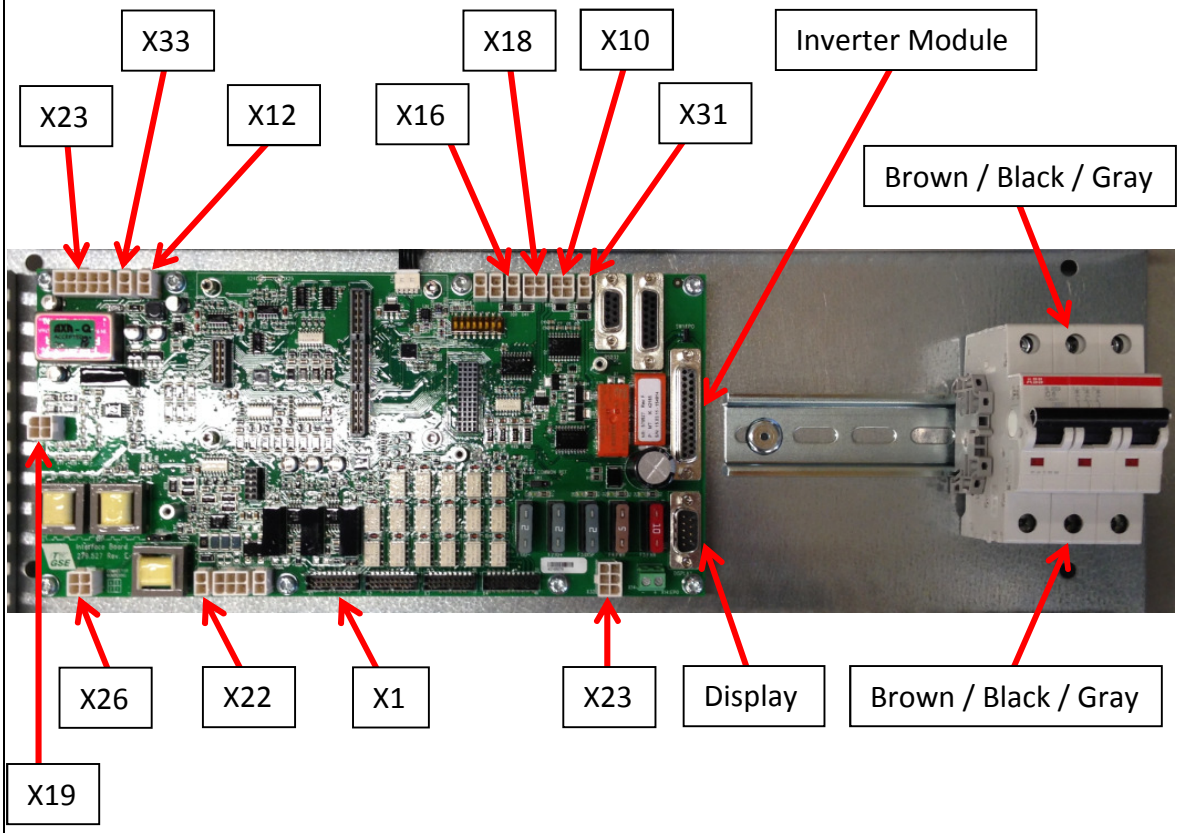
   Retain the screws and remove the Capacitor Board.



4. Mount the replacement Capacitor Board and fasten the 8 screws.

5. Reconnect plugs and cables terminal by terminal.



	6. Install the base plate and mount / fasten the 4 spacers. 7. Fit all the cables back into the cable tray and mount the 3 cable tray lids again. 8. Connect the 2 x 3 wires to the MCB (as shown below). 9. Connect the plugs to the Interface Board (as shown below).  10. Check that there are no un-connected wires or plugs.
6	Install the protective cover.
7	Switch on the converter and close front door.

8	Display should now show "Ready to use"  **Note!** Display screen may vary depending on configuration.
9	Start the unit and it should now be running without error messages.
10	Stop the unit and apply Load Bank to the output cable. Start the unit and apply 72 Kw load and let it run for 10 – 15 minutes. During operation check values in display and at output (voltage / current / kVA / kW), to verify that the unit works correct. For the above a DVM and current probe can be used. Stop the unit and remove the load bank. The unit is now ready for operation again.

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