

Replacement of 2400 Interface Board - P/N 579527

(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 Interface Board.



Warning!

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




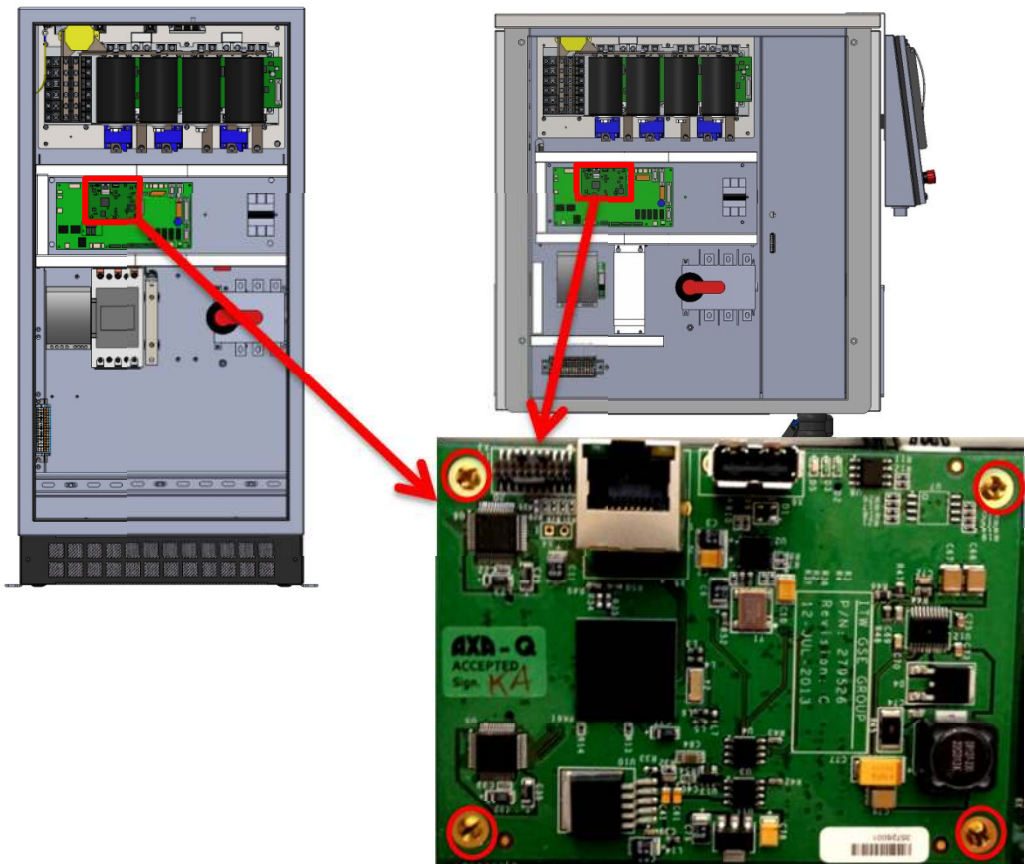
Notice!

To prevent PCB damage from electrostatic discharge, wear ESD wrist strap when servicing.

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

2

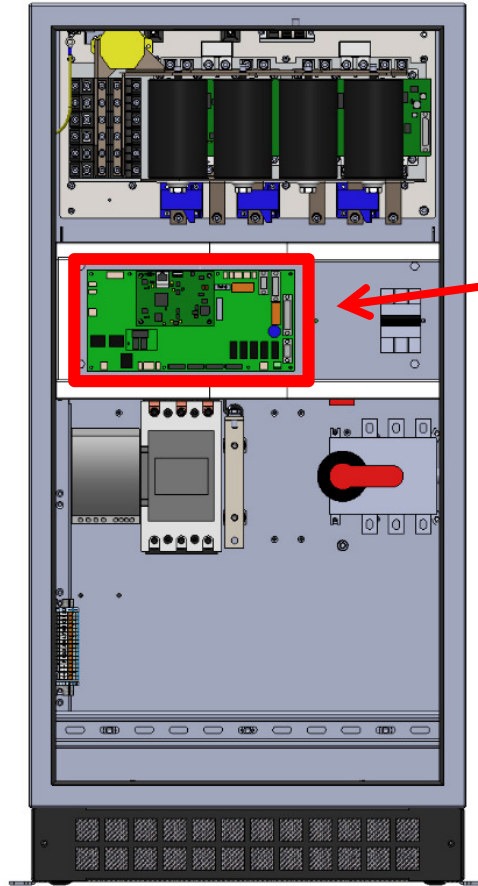
Before the Interface Board can be replaced, Control Board marked with  has to be removed.



Take out the 4 screws and remove the Control Board.
Retain the screws / Control Board for reinstallation.

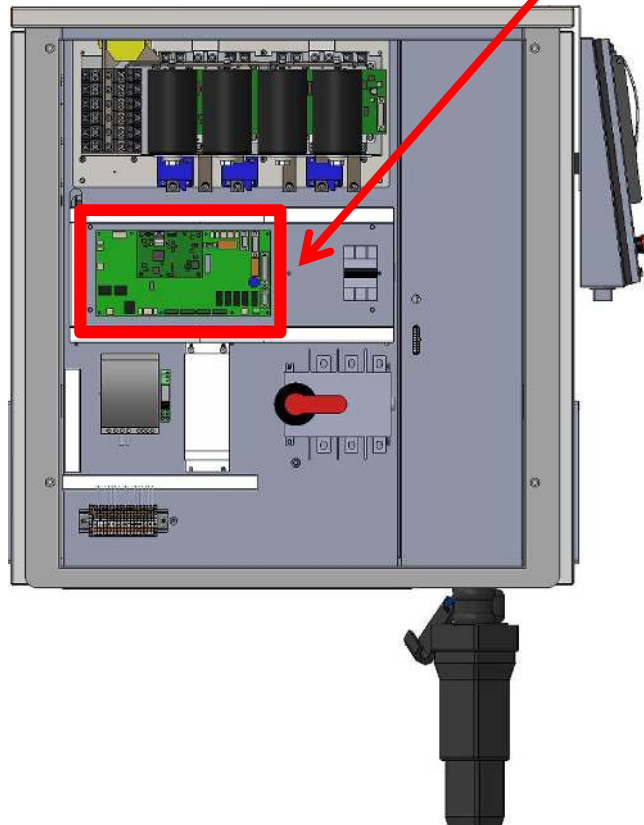
3

400 Hz
GPU
(2400)



Interface
Board

400 Hz
PC
(2400)



Interface
Board

4

A. Disconnect plugs marked **A**



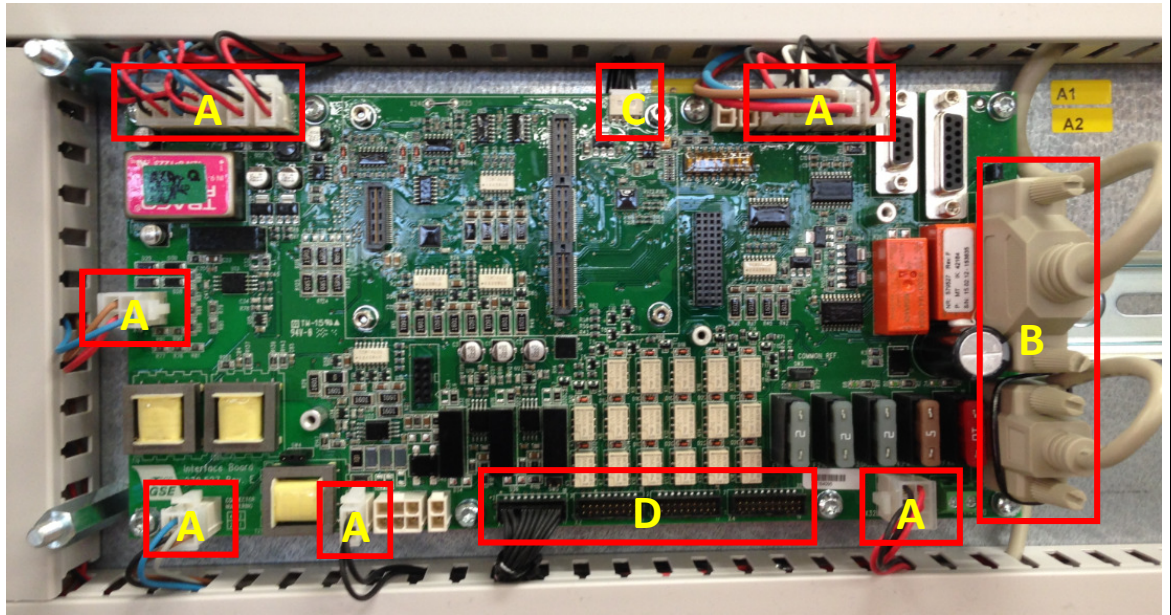
B. Disconnect Display & Inverter Module plugs marked **B**




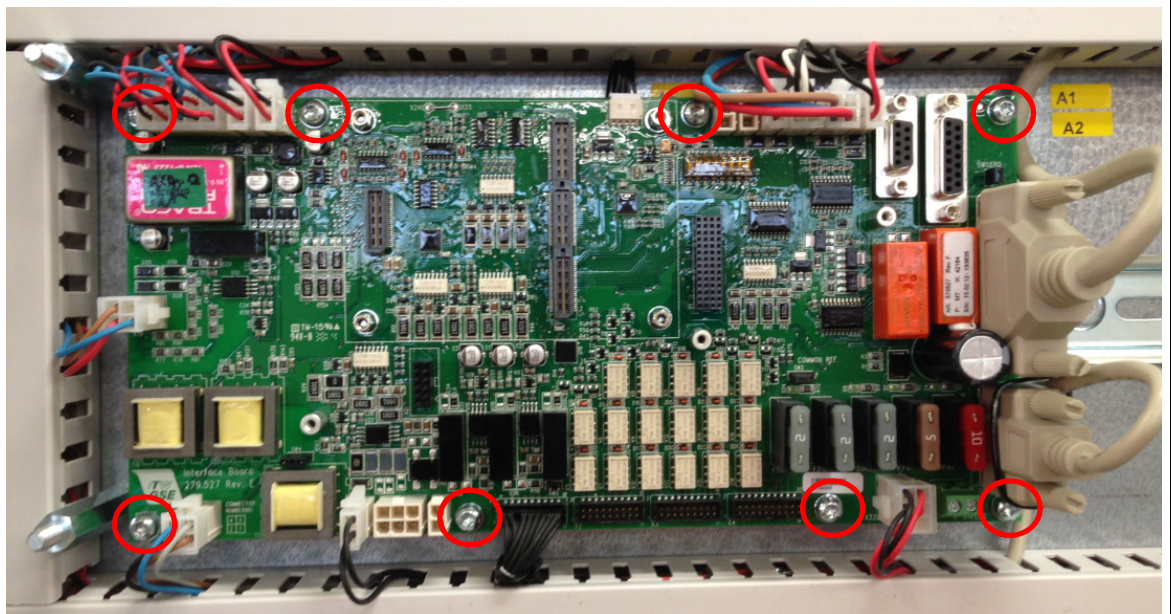
C. Disconnect ID Chip plug marked **C**



D. Disconnect I/O connection plugs marked **D**



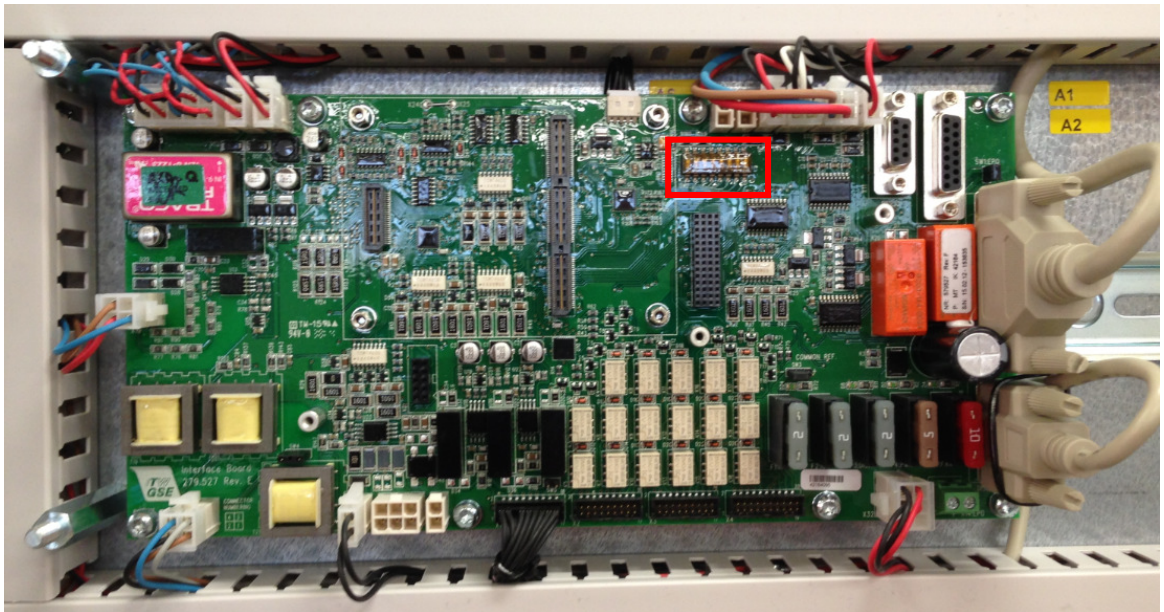
E. Remove the 8 screws on the Inverter Module, marked with 
Retain the screws for reinstallation.



5 Remove the Interface Board from the unit and install the replacement Interface Board.

Reverse the procedure.

1. Mount the 8 screws (E)
2. I/O connection plugs (D)
3. ID Chip (C)
4. Display & Inverter Module plugs (B)
5. Mount plugs (A).




Note!

Check DIP switch 2 settings marked  and set the Dip switches to the same position as on the removed Interface Board.

6 Install the Control Board (as in step 2) on the Interface Board.

7 Install the protective cover.

8 Switch on the converter and close front door.

<p>9</p>	<p>Display should now show “Ready to use”</p>  <p>Note! Display screen may vary depending on configuration.</p>
<p>10</p>	<p>Start the unit and it should now be running without error messages.</p>
<p>11</p>	<p>Stop the unit and apply Load Bank to the output cable.</p> <p>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.</p> <p>Stop the unit and remove the load bank.</p> <p>The unit is now ready for operation again.</p>