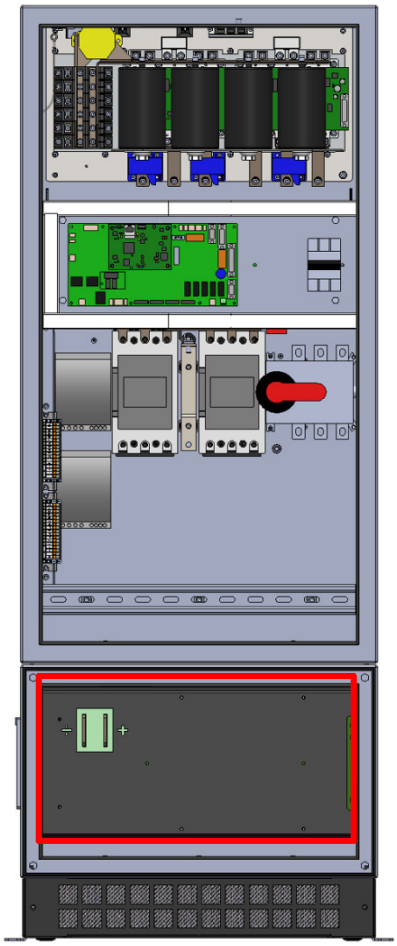
Replacement of 2400 ARU Module - P/N 578108

(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 **Caution!** **Check that DC Voltage on the DC-Busbar, has discharged before proceeding.**
2	To access the 28 V ARU Module, located in the Base Module underneath the converter, the Output cable and the black cover plate marked ▭ has to be removed. 

ITW GSE ApS Smedebakken 31-33 DK-5270 Odense N Denmark
T: +45 6318 6000 F: +45 6318 6049 E: sales@itwgse.com W: www.itwgse.com CVR / VAT No. DK 7421 8814

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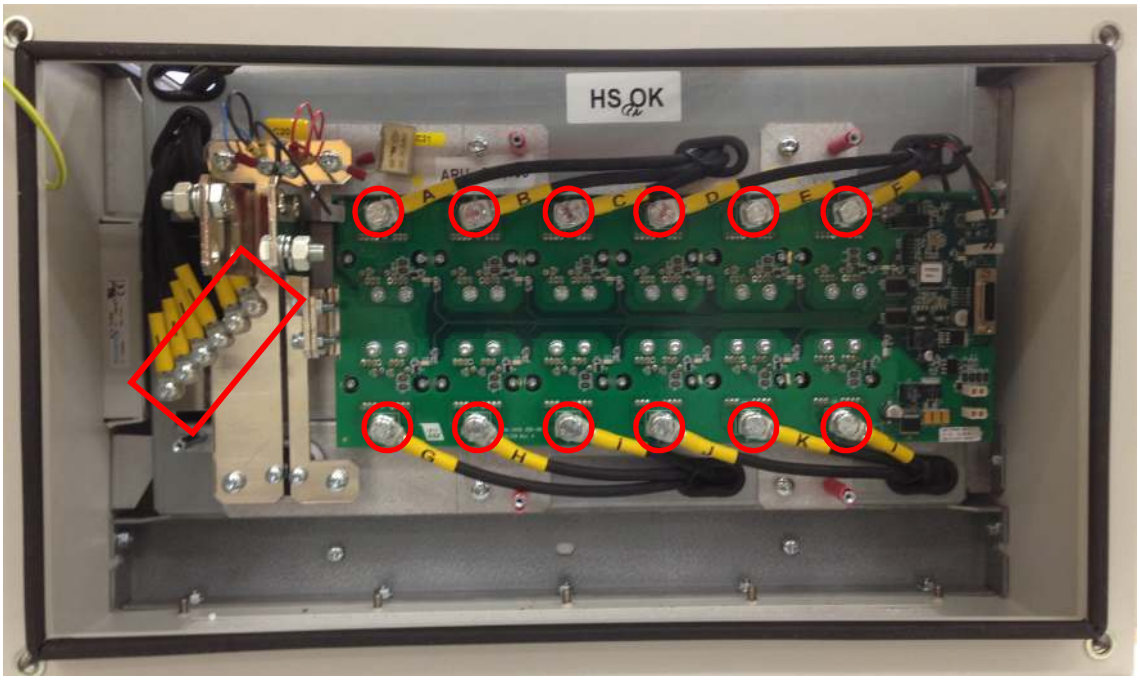
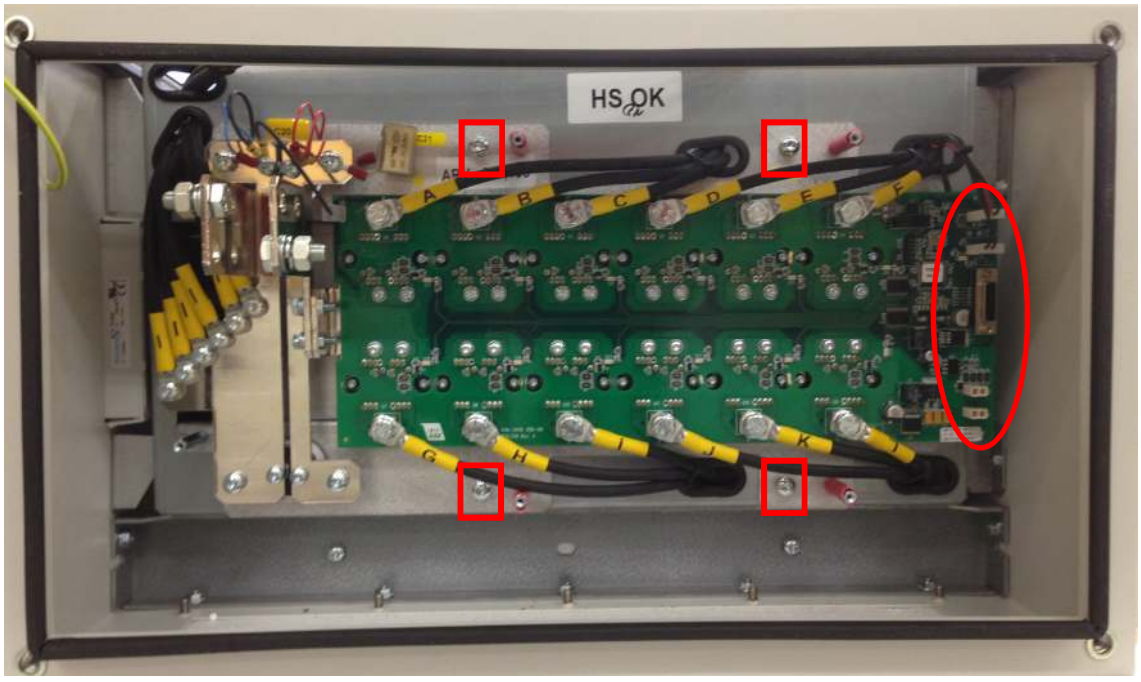
A. Disconnect the 12 cables marked ○ (A-B-C-D-E-F-G-H-I-J-K-L)
Use wrench size 13 mm.

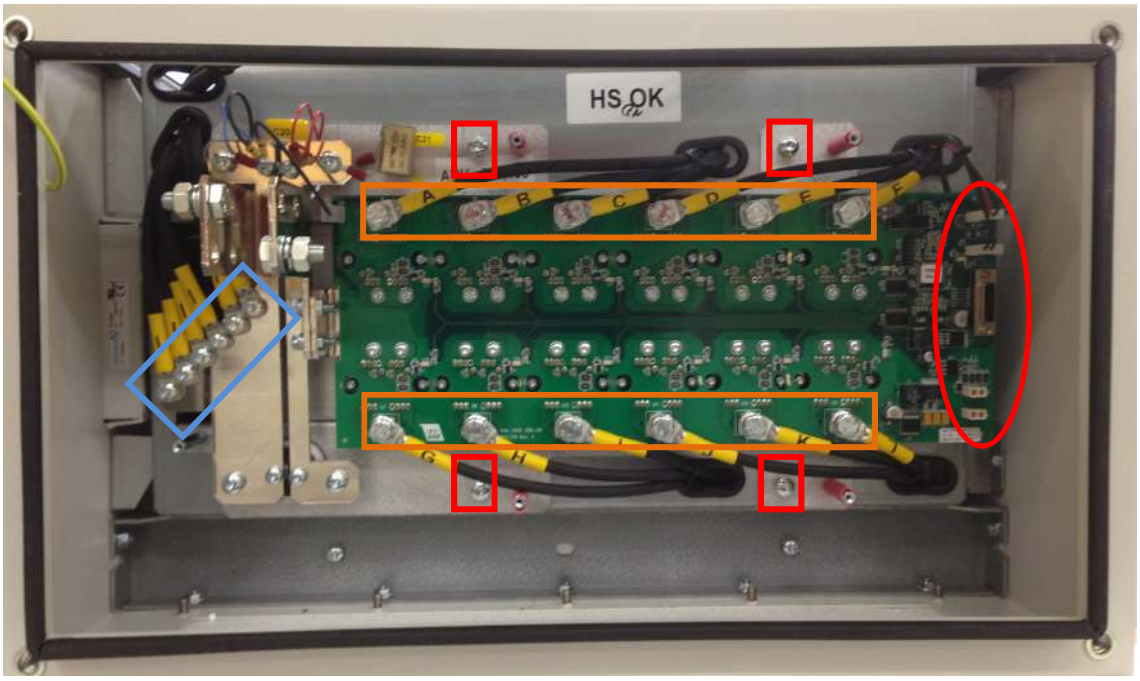
B. Disconnect the 6 cables marked □ (-)
Use Torx size TX30 screw driver.



C. Disconnect the cables marked ○

D. Unscrew the 4 screws marked □



4	Now the ARU Module can be pulled out / removed from the unit.
5	Insert the new ARU Module into the slot and observe that all cables /wires not get jammed, when inserting the module. A. Fasten the 4 screws that secures the ARU Module B. Connect the cables C. Connect and fasten the 6 (-) wires D. Connect and fasten the 12 power cables 
6	Install the protective cover and connect output cable.
7	Switch on the converter and close front door.

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8	Display should now show “Ready for 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 28 VDC output cable. Start the unit and apply 8 - 16 Kw load and let it run for 10 – 15 minutes. During operation check values in display and at output (voltage / current / 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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