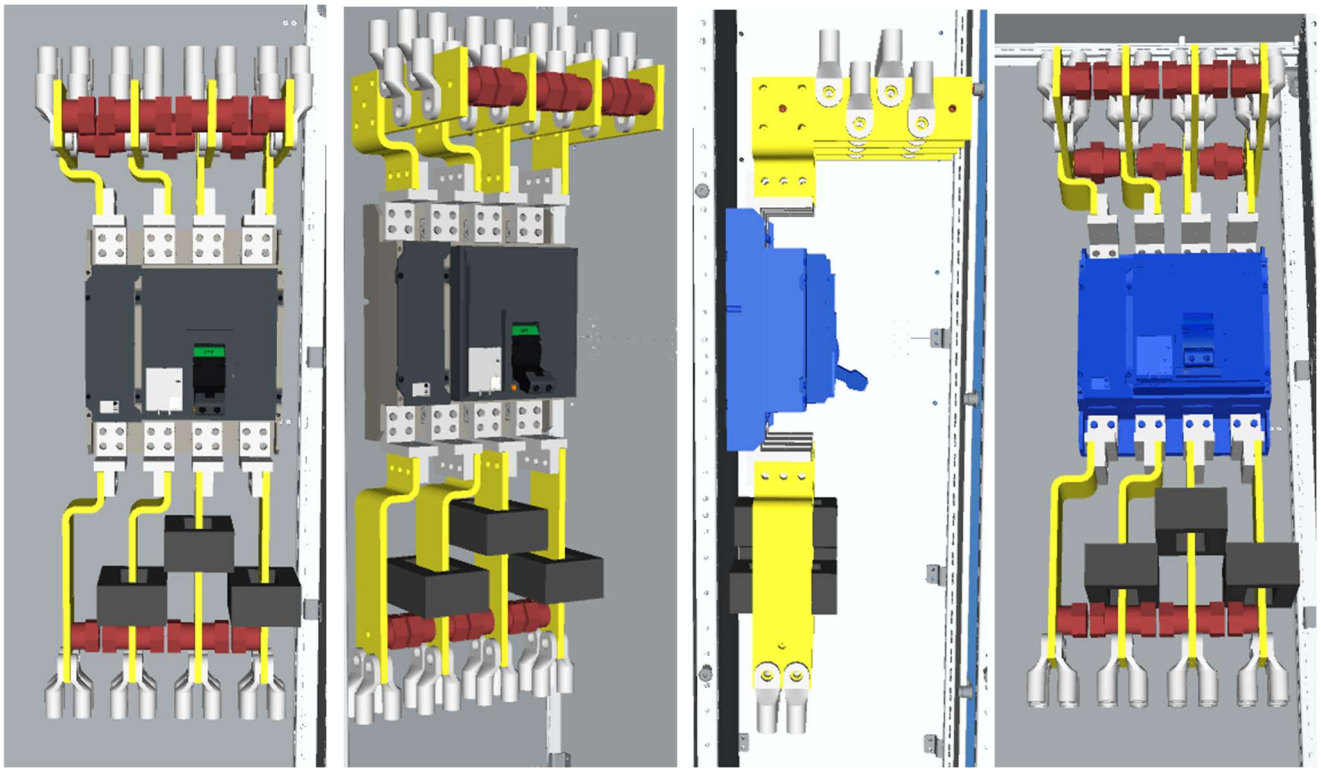
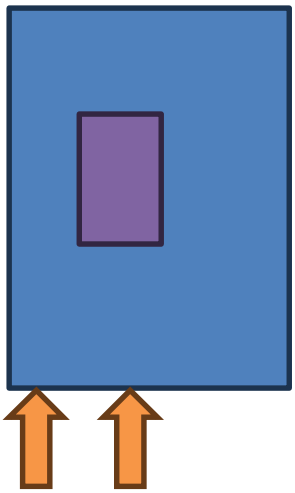
Planning

It is important to plan main cable entries prior to installation. The Grid Connection is at the top of the breaker, the load / microgrid connection is at the bottom. Connections are made with lugs and M10 bolts. There is connection for 6 cables on each connection, 3 on each side of the connection.

In case of more connections, the additional delivered copper bars can be installed.



The grid cable is entering to the left and the load cable is entered to the right.



If needed, the bottom plates can be mounted in the bottom of the panel.

Keep 200-300 mm space free on each side of the panel for air circulation.

Adjustment of the breaker protection

A Micrologic 2.3 protection module is installed in the breaker. It has been adjusted to 1000 A for overload, and this setting should not be exceeded.
For other adjustment on the breaker please download and read the following document:

https://www.se.com/uk/en/product/33504/trip-unit-micrologic-2-0-compact-ns630b-to-ns3200-fixed-and-drawout-basic-protections/

Check if all screws and bolts are still tight. They have been fastened with a torque wrench prior to shipping, but vibrations may loosen them. M10 bolts on the breaker are 50 Nm

The M10 bolts holding the PE-bar is 35 Nm.

After commission and during the first high load situation, it is **strongly recommended** to perform a thermography of the panel.



Maintenace

Keep the panel nice and clean, remember to close it!

Clean the air circulation filter regularly!
Change if necessary. Spare part 18611600183 / 18611600178

If disconnection current measurements from the controller, it is important to short the -X1 terminals. Otherwise extremely high voltage can be generated at the connector. There have been delivered 2 shorting bars with the panel for this purpose.



The thermostat for the cooling fan should be set to 40C.