

Double shell, thermoinsulated outdoor

cabinet STZT 36U 21/19 with two chambers and electric switchboard



Insulated double shell cabinet with external dimensions 2150/1497/803 with 36U 19" RACK rails made of 2mm thick PA 11 aluminium sheet. Equipped with a heating system of up to 1500W and a 80W/K heat exchanger. Equipped with 380/230V AC 50Hz electrical installation with surge, residual current and overcurrent protection. Optional LAN controller for remote reading and configuration of parameters.

Construction of STZT 2150/1497/803 enclosure – double shell, made of aluminium sheet, reinforced with 30x30x2mm closed profiles, the outer surface of the enclosure is bolted, the inner surface is fully laser-welded. Enclosure door mounted on 4 internal hinges, interlocked at 6 points with a proprietary interlocking system.

The solutions used provide Ingress Protection Rating of 66 and Impact Protection Rating of IK 09. The cabinet provides continuity of the electrical circuit for the entire structure and the possibility of earthing the cabinet by attaching a cable from the equipotential bonding strip to the earthing point.

The PA 11 aluminium used in the construction is characterised by:

- high corrosion resistance, even in marine conditions and industrial environments,
- good tensile strength,
- high fatigue strength,

The maximum load with evenly loaded, rack rails is 600kg per rail in each chamber.

Protection of the chamber interior against temperature fluctuations and excessively low temperatures - by:

filling the space between the inner and outer shells with insulating material, which protects the inside of the enclosure from temperature fluctuations. Thermal insulation of the entire chamber - 30 mm thick the use of a temperature sensor-activated heating system. The fans (2x750W) are switched on when the temperature inside the

enclosure falls below 7 °C - switched off when the temperature rises to 15 °C). (temperatures to be adjusted by the user).

Ensuring proper cooling and forced air circulation inside the cabinet by:

the use of a powerful „air-to-air“ exchanger (80W/1K) with a vent to the inside of the cabinet. With isolation of the air circulation inside the cabinet from the external air circulation cooling the exchanger.

the use of 2 fans inside the chamber - which prevents the formation of so-called „heat spots“ and enables effective cooling of the interior of the cabinet and the devices inside.

Rack rail height	36U
Distance between rack rails [inch]	19"
Height [mm]	2150
Width [mm]	1497
Depth [mm]	803
Internal dimensions [mm]	1750 x 1396 x 696
IP rating	66
IK rating	IK10
Sheet thickness [mm]	2
Material	Aluminium PA11
Doors [pcs]	2
Hermetic lock [pcs]	2
Cast polyurethane gasket	✓
Color	RAL7035
Waga [kg]	179
Corrosion warranty [year]	25