

INTEGRATED CABINET SOLUTION ICS 2000



*ICS 2000 with large 2 door storage
add-on cabinet mounted on left side.*

Dantherm ICS 2000 platform is specially designed to accommodate typical site equipment including Radio Base Station.

The basic cabinet comes equipped with cooling system and power distribution panel.

Further the enclosure provides space for:

- Surge arrestors for antenna cables (RF cable routing on upper right side (max. 5 holes for 7-16 equipment and max. 6 holes for N-connector equipment)
- Power, grounding and communication lines routed through bottom/plinth
- Smoke detector
- Cabin light (LED)
- Heater to prevent low temp
- Power supply/charger (Heat exchanger needs 48VDC)
- 12+2 RU for additional 19" mountable equipment

Basic Cabinet design

- Single wall attachable outdoor enclosure
- Very robust welded frame construction with bolt-on panels
- All bolting and connection elements situated inside
- Naturally vented solar protecting roof
- Double-winged door with central bridge
- Both door wings with lock and release lever and triple interlocking system when closed
- Door lock-in, lock-out with opening angles of 135°
- Release for door lock for full opening of 180° of both doors for full service access
- Bolt-on 140 mm plinth in 2 mm zinc passivated sheet steel and separate cover panels
- Secure grounding system

Cooling system

- Passive Cooling system with computer controlled cooling strategy integrated on right door
- Quick installation and maintenance
- Patented Dantherm plastic air to air counter flow exchanger core
- Top efficient and reliable DC-powered EBM-Papst fans
- Active Cooling systems (air conditioner) available upon request

Integrated power backup system

- Left bay with 19" rack (22 RU) and a flexible bottom compartment designed for power backup systems
- Standard power backup system incl. 2 battery shelves, of which one is approved for public transport with 155Ah battery pack installed
- Alternative power backup system features a fully integrated fuel cell powered 1600W backup system
- Storage compartment to protect and store either three or five 50 liter hydrogen tanks are available as add-on side cabinets

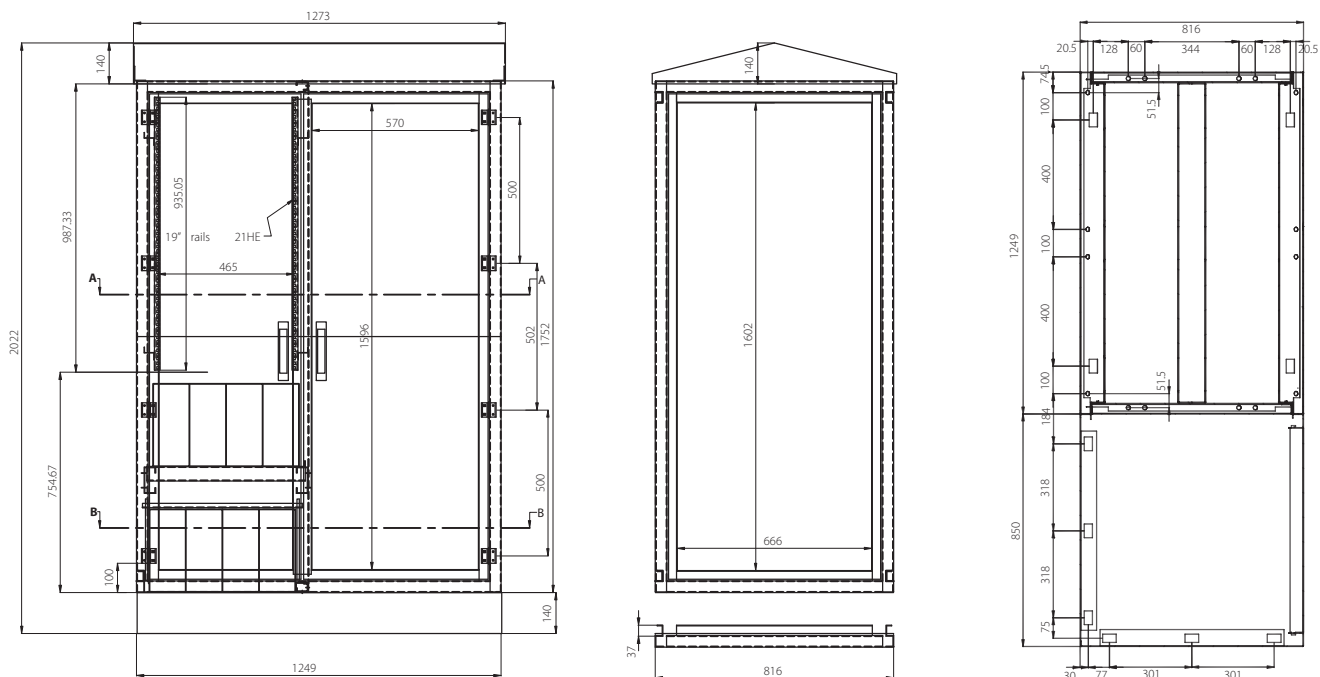
Flexible build up

- Right bay can accommodate non-standard equipment with max. installation size of (hxwxd) 1595x570x600 [mm]
- Other configurations available upon request

TECHNICAL DATA

Dimensions and weight		
Basic cabinet size [HeightxWidthxDepth]	mm	2022x1273x830
Cabinet size with 3 bottle storage cabinet	mm	2022x1775x830
Cabinet size with 5 bottle storage cabinet	mm	2022x2125x830
Basic cabinet incl. heat exchanger, power distribution panel and cabling	kg	300
Environmental protection:		
		IP55 protection class in accordance with EN60529
		Tested against wind-driven rain and high wind according to Telcordia GR-487-CORE requirements
Environmental temperature range (Standard) (Heat exchanger)	°C	Min. -30 to max. 40
Extendend temperature range (Optional) (Air Conditioner)	°C	Min. -30 to max. 55
Relative humidity	%rH	5-100 condensing (exterior)
Cooling capacity:		
Heat exchanger		up to 100 W/K
Air conditioner		2 kW
Internal max. temperature	°C	60 (allows 2000W heat dissipation at max. ambient temperature)
Material properties:		
Frame and plinth		2 mm zinc passivated sheet steel.
Cover panels		1,5 mm aluzink sheet steel.
Surface treatment		2 stage wet coat with a minimum thickness of 150 µm.
Standard colour code		RAL 7035 light grey

DIMENSIONS



Foot print drawing ICS 2000 with 5 bottle storage cabinet installed.

All dimensions are in mm.