Outdoor power cabinet

The Type 2 cabinet platform is designed for a variety of applications and can be tailored to fit your specific needs. The cabinet is well suited for power, batteries and telecom/industrial equipment, all integrated into a robust package.

TYPE 2
OUTDOOR CABINET

Doc 234747.DS3 – rev9

RELIABILITY

Reliability within the outdoor plant depends upon a cool, dry and secure environment for the electronics such as the DC power, Telecom and Industrial equipment. The Type 2 Outdoor Power Cabinet more than accomplishes this with a variety of Thermal Management solutions that will keep sensitive electronics functioning in the most extreme environments.

APPLICATIONS

The Type 2 cabinet is well suited for a wide range of Telecom and Industrial applications such as:

- Radio Access Networks (2G, 3G, 4G / LTE / WiMax)
- Optical Networks
- Cable TV
- DSL
- SCADA
- Rail and Metro
- Power distribution

The cabinet works very well as a stand-alone power / battery backup solution and provides additional space for telecom / Industrial equipment. In addition the outdoor enclosure is suited for Industrial environments.

KEY FEATURES

- 19" EQUIPMENT SPACE
- OPTIONAL THERMAL INSULATION
- DC POWER, TELECOM/INDUSTRIAL EQUIPMENT AND BATTERY BACKUP
- ALUMINUM CONSTRUCTION
- DOOR MOUNTED THERMAL MANAGEMENT OPTIONS:
    - FAN / FILTER
    - AIR-CONDITIONER
- FLOOR, WALL OR POLE MOUNT
- 3U SECTION FOR A DIN RAIL AC DISTRIBUTION
- UL 50
- IP55, NEMA 3R
- CLOGGED FILTER DETECTION
- EASY INSTALLATION
- EASY FILTER CHANGE
- EASY MAINTENANCE

TYPE 2

OUTDOOR CABINET

Model	15U	22U
PHYSICAL SPECIFICATIONS		
Exterior Height	743mm (29,3")	1047,5mm (41,2")
Exterior Width	586mm (23,1")	586mm (23,1")
Exterior Depth *	527mm (20,7")	527mm (20,7")
Net weight *	20kg (44,1lbs)	24kg (52,9lbs)
Usable Mounting Height	12U (533mm / 21,0")	19U (844mm / 33")
* info does not contain thermal management option		

THERMAL MANAGEMENT OPTIONS	
Fan and Filter Solution	
- Cooling capacity (at ΔT=10°C)	700W
- Fan specification	48Vdc / 76W / IP44
- Fan speed control	Temperature regulated
- Filter specification	Progressive dump filter; $0,1m^2$. Filter class F5 (EN 779)
- Physical information	Adds 53mm (2,1") to cabinet depth, adds 8,4kg (18.5lbs) to cabinet weight.
Air Conditioning unit (AC powered)	
- Cooling capacity (at 35C/35C)	570W at 50Hz / 645W at 60Hz
- Heating capacity	500W built-in
- Power input	$230V_{AC}$ +/- 10%, 50/60Hz
- Physical information	Adds 263mm (10,4") to cabinet depth, adds 28,4kg (62,6lbs) to cabinet weight.
Air Conditioning unit (DC powered)	
- Cooling capacity (at 35C/35C)	520W
- Heating capacity	500W built-in
- Power input	$48V_{DC}$ nominal ($46V_{DC} – 56V_{DC}$)
- Physical information	Adds 212mm (8,3") to cabinet depth, adds 23kg (50,7lbs) to cabinet weight.

All Models

CONSTRUCTION SPECIFICATIONS	
Skin material	1,5mm (0,06") thick aluminum (lightweight, corrosion-resistant)
Frame Material	Galvanized Steel
Powder-Coat Paint	Outdoor Polyester light gray RAL 7035 coating
Insulation	Closed Cell Insulation (optional)
Rail mounting Pattern	EIA Standard with holes for Cage nuts
Orientation	19" mount

DOOR SPECIFICATIONS	
Latches	Two point latch, with optional euro lock cylinder
Gasket	UL rated for outdoor use
Door Stop / Door Stay	Wind latch to hold door during maintenance (120°)

MISCELLANEOUS SPECIFICATIONS AND OPTIONS		
Cable Glands	Bottom Cable Access through 1x FL21 cut out	Different options available
Battery trays	19" tray(s) Space (W x D): 448,5mm x 398mm (17,6" x 15,6") Max. 150kg (330 lbs) weight load	Each Tray weighs 2,1kg (4,6lbs)
Ground Bar	4xM6 inserts on 19" rails, left/right	
Heater	Optional 400W	Kit weighs 1,3kg (2,9lbs)
Plinth	Optional 152mm (6") high plinth. Foot Print (W x D): 579mm x 502mm (22,8" x 19,8")	Weighs 7,6kg (16,7lbs)
Mounting Brackets	Stainless Steel wall or pole Pole diameter Ø 60-115mm Max 200Kg (441lbs) weight load	Weighs 11kg (24,2lbs)
Lifting Ears	4 detachable sheet metal ears connected with 4x M8 bolts	
Packaging Information	Shipments made in an upright position on a wooden pallet	Weighs 7kg (15,4lbs)

DESIGN STANDARDS	
Electrical	IEC 60950, UL 60950*, CAN CSA-C22.2 No. 60950-1-03 (Depending on Equipment Installed)
EMC	ETSI EN 300 386 V.1.3.1, EN 61000-6-3, EN 61000-6-2
Environment	ETS 300 019, Ingress Protection: EN 60529 IP55