



Type 2 Power Cabinet

Overview:

Eltek Valere is a world leader in the development of telecom power systems that are designed to meet the rapid growth within the field of telecommunication, as well as the increasingly stringent reliability requirements. A key to this reliability in the outside plant is creating a cool, dry and secure environment for the electronics. With durable construction the Type 2 Power Cabinet incorporates tailored thermal systems (air conditioners, heat exchangers, and heaters) that will keep even the most sensitive electronics functioning in extreme environments. This product has a variety of mounting options; plinth for pad mounting or brackets for attachment to walls, poles, or H-frames.

Applications

Solution of choice

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 equipment, batteries, telecom gear, all integrated into a robust, economical package. The Type 2 cabinet is well suited for areas that require limited equipment installation such as Wireless backhaul, Fiber Rings, Cable TV, DSL, and WLAN applications. The cabinet also works well as a stand-alone power or battery solution for additional growth to existing application. In addition the hardened outdoor enclosure is suited for Industrial environments.

Reliability

Reliability in the outside plant depends upon the creation of a cool, dry and secure environment for the electronics. The Type 2 Power Cabinet more than accomplishes this with a variety of Thermal Management solutions that will keep sensitive electronics functioning in the most extreme environments.

Product Features

- ∞ Hardened outdoor enclosure
- ∞ 19" rack with useable height of 12U (21") (mid mount rails)
- ∞ Single skin construction
- ∞ DC power and battery backup
- ∞ Lightweight and non-corrosive aluminum construction
- ∞ Bottom cable entry
- ∞ Door mounted thermal management options
- ∞ Optional insulation for added thermal performance
- ∞ Fan and Filter (optional Air Conditioner)
- ∞ Optional Heater Kit
- ∞ Optional service light – Both AC and DC versions available
- ∞ 3U section for a Din Rail AC distribution
- ∞ Optional Plinth, Wall, Pole, or H-frame kits
- ∞ UL 50
- ∞ IP55, NEMA 3R

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Additional Technical Specifications

Physical Specifications

PARAMETER	DIMENSIONS	NOTES
Exterior Dimensions	743mm H x 586mm W x 527mm D (29.3" H x 23" W x 20.7" D)	Other sizes available upon request
Weight	Approx 40 Kg (88 Lbs)	Empty Weight

Construction Specifications

PARAMETER	SPECIFICATIONS	NOTES
Skin Material	1.5mm (0.06") thick aluminum (lightweight, corrosion-resistant)	
Frame Material	Galvanized Steel	
Powder-Coat Paint	Polyester based RAL 7035HR	
Insulation	Foil-Backed insulation on interior surfaces	This item is Optional

Door Specifications

PARAMETER	SPECIFICATIONS	NOTES
Latches	Two point latch, with optional euro lock cylinder	
Gasket	UL rated for outdoor use	
Stay	Wind latch to hold door during maintenance (120°)	
Fan and Filter Solution	Filter class F5 (EN 779), adds 52mm (2") to depth	IP55 rating when installed
Air Conditioning Unit	Stülz EVO 07, adds 221 mm (8.7") to depth	IP55 rating when installed

Rails Specifications

PARAMETER	SPECIFICATIONS	NOTES
Construction	Galvanized Steel	
Mounting Pattern	EIA Standard with holes for Gage nuts	
Orientation	19" mount	
Usable Mounting Height	12U (533mm / 21.0")	

Applicable Standards

PARAMETER	SPECIFICATIONS	NOTES
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	

Miscellaneous Specifications and Options

PARAMETER	SPECIFICATIONS	NOTES
Sealed I/O ports	Bottom Cable Access through a Multigland MC 25	
Battery trays	19" tray(s) capable of holding a string of 100 Ah batteries up to 150kg (330 lbs) (optional battery heater)	
Ground Bar	4xM6 inserts on 19" rails, left/right	
Heater	Optional 400W	
Plinth	Optional 152mm high plinth (6")	Foot Print 579mm W x 502mm D
Mounting Brackets	Stainless Steel wall, pole, or H-frame	Pole dims 60-115mm (2.4"-4.5")
Lifting Ears	4 Detachable sheet metal ears connected with 4 x M8 bolts	

Specifications are subject to change without notice

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