Type 3
23" Equipment 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 3 Power Cabinet incorporates tailored thermal systems (fan/filters, air conditioners, and heaters) that will keep even the most sensitive electronics functioning in extreme environments. This cost effective solution has a unique cube design that give flexibility to easily have various heights of cabinets.

Applications

Solution of choice

The Type 3 cabinet is a cost effective platform that is designed for a variety of applications and can be tailored to fit your specific needs. The durable construction is well suited for power equipment, batteries, telecom gear, all integrated into a robust, economical package. The Type 3 cabinet is well suite for areas that require limited equipment installation such as Wireless Sites, Fixed Line Telecom Sites, Cable TV, DSL, and WLAN applications. The cabinet also works well as a stand-alone power for site-power applications or a 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 3 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" adjustable rack for equipment with total height of 29U (1,5m), 35U (1,8m)
 Note: If airflow or access space is required above equipment, usable height is 28U (1,5m), 34U (1,8m)
∞ Single skin construction
∞ DC power and battery backup
∞ Non-corrosive galvanized steel construction
∞ Bottom cable entry
∞ Door mounted thermal management options
  ○ Fan and Filter (with quick change system)
  ○ Air Conditioner
∞ Insulation for added thermal performance
∞ Optional Heater Kit
∞ Optional service light
∞ UL 50
∞ IP55 rated, NEMA 3R

Type 3 23" Equipment Power Cabinet

Additional Technical Specifications

Physical Specifications

TOTAL HEIGHT	EXTERIOR DIMENSIONS	WEIGHT (empty)	RACK SPACE	NOTES
1.5 M	700mm W x 770mm D (27.5" x 30.3")	94kg (206.8 lbs)	29U (49") **	Info does not contain cooling options
1.8 M	700mm W x 770mm D (27.5" x 30.3")	100kg (220 lbs)	35U (61.25") **	Info does not contain cooling options

** Note: If airflow or access space is required above equipment, usable height is 28U (1,5m), 34U (1,8m)

Construction Specifications

PARAMETER	SPECIFICATIONS	NOTES
Skin Material	1.5mm (0.06") thick electro-galvanized steel (corrosion-resistant)	
Frame Material	Galvanized Steel	
Powder-Coat Paint	Outdoor Polyester Light gray RAL 7035 coating	
Insulation	Closed Cell Insulation	

Door Specifications

PARAMETER	SPECIFICATIONS	NOTES
Latches	Four-point latched, available with an optional lock	
Gasket	UL rated for outdoor use	
Door Stop / Door Stay	Wind latch to hold door during maintenance (120°)	
Fan and Filter Solution	Filter class F5 (EN 779), IP55 rated, adds 53mm (2") to depth	Standard, Pleated, or Gore Membrane filters available. Weights range from 35.3 to 43.4kg
Heat Exchanger (HEX)	DC powered 100W/K, IP55 rated	Weights range from 52.6 to 70.5kg
Air Conditioning Unit	1kW or 1.7kW at 50Hz & 35C35C, IP55 rated, adds 250mm (9.8") to depth	Weights range from 69.8 to 79.1kg
Hybrid Cooling Unit	Active cooling/Free cooling solution	See contact for more information

Rails Specifications

PARAMETER	SPECIFICATIONS	NOTES
Construction	Galvanized Steel	
Mounting Pattern	EIA Standard with holes for Gage nuts	Optional M5 or M6 kits available
Mounting	19" mount - Available kits 5U, 8U, and 12U	23" versions available up on request

Applicable Standards

PARAMETER	SPECIFICATIONS	NOTES
Electrical	IEC 60950, UL 60950*, CAN CSA-C22.2 No. 60950-1-03	*Depends 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
Cable Entry	Bottom Cable Access through a 2x Multigland MC 25	Others available upon request
Battery trays	Optional 23" tray(s) capable of holding a string of batteries up to 260kg (572 lbs)	Each tray weighs 5.6kg (12.3lbs)
Ground Bar	11 position M6 pressnut	
Heater	Optional 400W, can install up to 2 heaters	Each kit weighs 1.3Kg (2.86lbs)
Plinth	1.5m cabinet - 115mm (4.53") or 1.8m cabinet - 150mm (5.9") high plinth (part of cabinet body)	Foot Print 698mm W x 743mm D
Lifting Ears	4 lifting ears located under top cover	
Zone 4	Special Cabinets available to handle Zone 4 Seismic activity	Call for details
Shipping Pallet	Shipments made in an upright position on a wood pallet	Weight of packing 14kg

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