Outdoor telecom power cabinet

The Type 4 telecom power outdoor cabinet is a new generation platform designed to meet customer needs, give configuration flexibility and supports a variety of applications.

The cabinet is well suited for power, batteries and telecom equipment.

Type 4
OUTDOOR CABINET

Doc 368296.DS3 – rev2

RELIABILITY

Reliability within the outdoor plant depends upon a cool, dry and secure environment for the electronics such as the DC power and Telecom equipment.

The Type 4 Outdoor Power Cabinet more than accomplishes this with its Thermal Management that will keep sensitive electronics functioning in extreme environments.

APPLICATIONS

The Type 4 OD cabinet is well suited for a wide range of Telecom applications such as:

- Radio Access Networks (2G, 3G, 4G / LTE / WiMax)
- Optical Networks
- Cable TV
- DSL
- SCADA

The cabinet works very well as a stand-alone power and/or battery backup solution and provides additional space for telecom equipment.

KEY FEATURES

- SINGLE BAY CABINET SUITABLE FOR:
  - DC POWER
  - BATTERY BACKUP
  - TELECOM EQUIPMENT
  or combination of above
- 19" EQUIPMENT SPACE
- GALVANIZED STEEL CONSTRUCTION
- DOOR MOUNTED THERMAL MANAGEMENT SYSTEM
- WIDE RANGE OF OPTIONS
  - THERMAL INSULATION
  - DOOR SWITCH
  - DOCUMENT FOLDER
  - SMOKE DETECTOR
  - AC SERVICE SOCKET
  - SERVICE LIGHT
  and more
- GLOBAL APPROVALS
- IP55

FAN AND FILTER

The fan and filter has the advantage that a large amount of air can be exchanged, giving very high cooling performance with low power consumption.

The cooling is designed with overpressure principle, which provides higher sealing performance and air outlet through the door.

TECHNICAL SPECIFICATION

Single or dual inlet section, field upgradable from single to dual inlet configuration.

Cooling capacity (at typical ΔT=10°C)	1700W with single fan configuration 2500W with dual fan configuration
Fan(s)	Single fan and optional Dual fan Temperature regulated fan speed. Fan specification: 48VDC / 82W / IP55
Inlet filter	Easily changeable filter, M5 [EN779] Pleated filter type Filter media area 1.6m^2 for single filter and 3.2m^2 for dual filter configuration
Outlet filter	Easily changeable filter, G4 [EN779] Progressive dump filter type Filter media area 0.22m^2

PHYSICAL SPECIFICATIONS

Thermal management system is integrated into the cabinet door

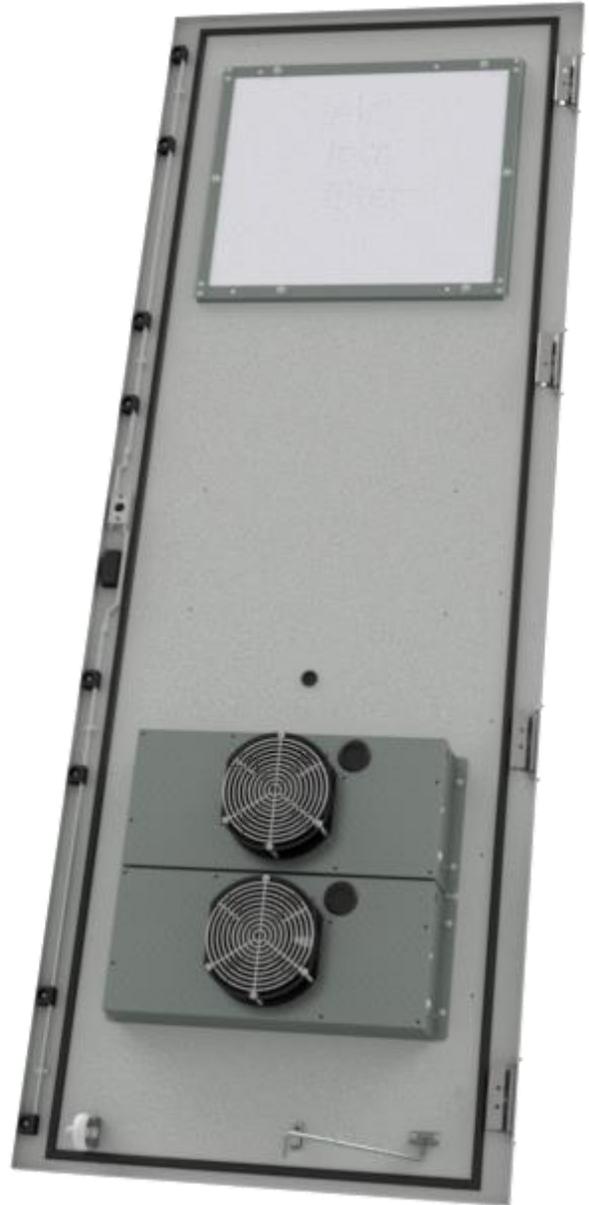|	
Depth	Adds 59mm to the cabinet depth
Weight	Adds to the cabinet weight - 1.5m model: 27kg - 2.0m model: 37kg

CONSTRUCTION SPECIFICATION

Material	Galvanized steel
Splash guard	Aluminium made with large openings to ensure low air speed

OPTIONS

Heater(s)	Up to two (2) 500W heaters, AC or DC powered
Filter detection & Clogged filter	Provides an alarm when filter gets clogged or if filter is removed

Specifications are subject to change without notice

ELTEK
A Delta Group Company

MODEL	1.5m	2.0m
PHYSICAL SPECIFICATIONS		
Exterior Width	705mm	705mm
Exterior Depth *	772mm	772mm
Exterior Height	1456mm	2068mm
Weight *	61kg	67kg
Rack space	27U	39U
* Info does not contain thermal management system options		
THERMAL MANAGEMENT SYSTEM		
Fan and Filter	See page 2 for details	
CONSTRUCTION SPECIFICATION		
Skin Material	1.0mm thick electro-galvanized steel (corrosion-resistant)	
Frame Material	2.0mm galvanized steel	
Powder Coat paint	Outdoor Polyester coating, Light grey RAL 7035	
DOOR SPECIFICATION		
Locking	Multi-point latched, available with an optional euro lock cylinder	
Gasket	Door gasket rated for outdoor use	
Door stop	Wind latch to hold door during maintenance (120°)	
OTHER SPECIFICATIONS		
Thermal insulation	Optional closed cell thermal insulation	
Cable entry	Bottom Front cable access through 2x FL-21 cut-outs Various glands available upon request	
Battery trays	Optional battery tray(s) capable of holding a set of batteries up to 280kg	
Plinth	Footprint (WxD): 692x742mm, Height: 104mm Optional plinth covers (front, rear, sides)	
Shipping	Shipments made in an upright position on pallet	
Other general options	Door switch, Document folder, Smoke detector, AC service socket, Service light (48VDC), PC shelf	
DESIGN STANDARDS		
Electrical safety	IEC 60950 -1 /-22	
EMC	ETSI EN 300 386:V2.1.1 EN 61000-6-1 /-2 /-3 /-4 FCC CFR 47 Part 15	
Environment	ETSI EN 300 019-1-1, Class 1.3 ETSI EN 300 019-1-2, Class 2.3 ETSI EN 300 019-1-4, Class 4.1 Ingress Protection EN 60529, IP55	
ORDERING INFORMATION		

PART NUMBER	DESCRIPTION	MOQ
CTxxxxxx.nnnn	Power system configured with Type 4 cabinet	1 pc