

Outdoor cabinets

OutD V series

Description

The Delta OutD cabinet is the choice from the tropics to the arctics when space is scarce or site density needs to be increased cost-effectively.

The Delta OutD series offers several size options, ensuring right dimensions for telecom equipment. A flexible configuration is the way to tailor solutions for your demand, and our OutD cabinets offer an option to build the whole base station inside. Wall options are with multi- or single-layer, and multi lock mechanism completes the protection of installed equipment.

Advanced thermal cooling enables remarkable savings both in capital and operational expenditures.

Main features

- Resistant outdoor enclosure made from non-corrosive galvanized steel sheets
- IP 54 / 55 protection class
- Different thermal management options: AV, HEX AC, TEC or advanced hybrid solution
- Wide flexibility and scalability, one design concept with 3 different dimensions; modular structure of internal equipment to meet specific customer requirements
- Option for enhanced monitoring and controlling
- Any Delta CellD system built-in; DC or AC, battery back up
- Single or multilayer wall design
- Option thermal insulation of the walls
- Bottom cable entry with flexible configuration of cable glands

Applications

- Network base stations
- Wireless applications
- Fixed line applications, data communications



Delta OutD cabinets are available in alternative designs to protect equipment from different external threats. We offer several cabinet options for various climate conditions. In addition to traditional cooling methods, Delta's hybrid cooling options revolutionize the cost structure of thermal management.



Technical specifications

1. General

Construction	Single- or multi-layer steel cabinet
Dimensions	overall with plinth, without external, cooling units
<ul style="list-style-type: none"> OutD 700 V OutD 1200 V OutD 1800 V 	H800 x W600 x D500 mm ⁽¹⁾ H1200 x W708 x D720 mm H1800 x W708 x D720 mm (1) height excl. plinth 700 mm
Internal rack dimension	
OutD 700 / 1400 / 1800 V	13 / 22 / 35 HU
Weight	without external, cooling units
OutD 700 / 1400 / 1800 V	35 / 70 / 120 kg
Materials:	
Cabinet skins, Internal frames, Plinth	galvanized steel
Thermal insulation	EPS polystyrene foam
Multi-layer Option (insulation + internal skin)	
Finish	Polyester Powder Paint RAL7035
Safety	IEC/EN 60950
EMC	EN 300 386
Maintenance cycle	12 months

2. Environment

Operating temperature	-33 to +50 °C (ETS 300 019-1-4)
Solar radiation	1120 W/m ² (ETS 300 019-1-4)
Protection class	IP 54 (EN 60529) IP 55 (EN 60529) option
Noise (sound pressure 1 m distance, free field)	AV - max. 55 dB(A) AC - 1400W - max. 75 dB(A)
Humidity (relative)	Max. 100 %

3. Thermal management

Air Ventilation (AV)	100 / 250 W/K; 48 Vdc
Heat Exchanger (HEX)	80 / 160 W/K; 48 Vdc
Active Cooling (AC)	750 / 1400 / 2000 W (L35L35); 230 Vac
Thermo Electric	200 W; 48Vdc
Hybrid cooling system	AV + AC HEX + AV AV + TEC
Air Filters (Air ventilation)	G4 / F6 class (EN 779)
Insect Filter	Option
Heaters	Option - 500 W; 230 Vac

4. Equipment

Cable Entry	Configurable: Multigate MC25 / Plastic / Rubber cable glands
Bottom access	Plastic / Rubber cable glands
Supporters	19' or 23' racks Internal cable side supporters
Door locking	2 / 4 points Key and inserts - configurable Door stopper
Battery shelves	19' / 23' for one string front terminals batteries; up to 240 kg
PE grounding bar	10 x screw terminals up to 16 mm ²
Lifting Ears	4 eyes under roof cover
Plinth	Standard for OutD 1200 / 1800 V Option for OutD 700 V
Wall mounting kit	Option
Pole mounting kit	Option
Optional equipment	Smoke detector Service Light 1W / 48 Vdc Box for documentation Open door sensor

Subject to change without notice.



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