

# OutD V Series

## Power System



### Descriptions

The Delta OutD cabinet is the choice from the tropics to the arctic 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



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### Technical specifications

1. General	
Construction	Single- or multi-layer steel cabinet
Dimensions • OutD 700 V • OutD 1200 V • OutD 1800 V	overall with plinth, without external, cooling units H800 x W600 x D500 mm <sup>(1)</sup> H1200 x W708 x D720 mm H1800 x W708 x D720 mm <small>(1) height excl. plinth 700 mm</small>
Internal rack dimension OutD 700 / 1200 / 1800 V	13 / 22 / 35 HU
Weight OutD 700 / 1200 / 1800 V	without external, cooling units 35 / 70 / 120 kg
Materials: Cabinet skins, internal frames, plinth	galvanized steel
Thermal insulation Multi-layer option (insulation + internal skin)	EPS polystyrene foam
Finish	Polyester Powder Paint RAL7035
Maintenance cycle	12 months

2. Others	
Operating temperature	-33 - +50 °C (ETS 300 019-1-4)
Solar radiation	1120 W/m <sup>2</sup> (ETS 300 019-1-4)
Protection class	IP 54 (EN 60529) IP 55 (EN 60529) option
Noise	AV - max. 55 dB(A) AC - 1400W - max. 75 dBA (sound pressure 1 m distance, free field)
Humidity	100 % max. (relative)
Safety standard	IEC/EN 60950
EMC standard	EN 300 386
Packing	Vertical for truck transport Horizontal for shipping / air

3. Thermal management	
Air ventilation (AV)	100 / 250 W/K; 48 V <sub>DC</sub>
Heat exchanger (HEX)	80 / 160 W/K; 48 V <sub>DC</sub>
Active cooling (AC)	750 / 1400 / 2000 W (L35L35); 230 V <sub>AC</sub>
Thermo electric	200 W; 48V <sub>DC</sub>
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 V <sub>AC</sub>

4. Equipment	
Cable entry bottom access	Configurable: Multigate MC25 / 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 <sup>2</sup>
Lifting eye bolts	4 points 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 1 W / 48 V <sub>dc</sub> Box for documentation Open door sensor

5. Ordering information	
System	3791432400

\*All specifications are subject to change without prior notice.

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