

ESOF009-EAA Series

Outdoor cabinet



Descriptions

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

The Delta outdoor 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 outdoor 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 of aluminum IP 55 protection class.

Single battery compartment FAN cooling system – air ventilation (AV) and air filter modular structure of internal equipment to meet specific customer requirements.

Option for enhanced monitoring and controlling .

Bottom cable entry with flexible configuration of cable glands.

Applications

Network base stations

Wireless applications

Fixed line application, data communications



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Technical specifications

1. Cabinet structure		
1.1	Dimension	Max. H2060 x W850 x D850 mm (overall with plinth, without external, cooling units)
1.2	Construction	IP55 double layers high strength AL5 series aluminum cabinet
1.3	Materials: - Cabinet outer skin - Cabinet inner skin - Internal frames - Plinth - Gasket - Thermal insulation	2mm aluminum steel with painting galvanized steel (SGLCC) 3mm aluminum Continues Form-in-Place (FIP) gasket 20 mm EPS
1.4	Internal rack dimension - Battery space	up to 600AH 48V REX or OPzV battery rack x 1
1.5	Door locking	4 points Key and inserts – configurable door stopper
1.6	Lifting Ears	4 hangers under roof cover
1.7	Plinth	Standard (90 mm height) with 16x snap plugs (EPDM material)
1.8	Ground bar	Plinth ground bar x 1
1.9	PE earthing stud	M8 2 holes lock, pitch 25.4mm (in plinth rear left side)
1.1	Cable Entry Bottom access Cabinet floor	Left side: 1xPG11, 1xPG16, 3x FGA33 Right side: 3x FGA33
1.10	Weight	Approx. 170Kg (W/O battery, external, cooling unit)
1.11	Finish	Polyester Powder Paint, RAL7035
1.12	Standard accessories	1 battery rack (600AH 48V REX or OPzV) Battery cables: 1Mx1 70mm ² for battery negative point, with M10 ring terminal AUX cables: 3Mx1 5.5mm ² for AUX positive bus, with M10 ring terminal Open door sensor Service light 1W / 48V

2. Controller		
2.1	Controller	SSM module
2.2	Measurement function	TB temperature sensor (IC type)
2.3	Detection	Door alarm
2.4	Control	Fan speed control

3. Thermal system		
3.1	Fan cooling (Air Ventilation)	302 CFM axial fan x 2
3.2	DC I/P -Normal -Range	54Vdc, 48W 36-60Vdc
3.3	Cooling capacity	150W/K
3.4	Air Filters - Class - Dimension - Media area - Dust holding capacity - Q'ty	F6 (EN779); Wet/Dry cleanable 300x500x46mm 1.14m ² (each) 60%-80% holding rate (by 0.4 μm dust) 1 pcs

4. Environment		
4.1	Operating temperature	-10 to 55°C
4.2	Protection class	IP 55 (EN 60529); for cabinet
4.3	Noise (sound pressure @1m)	Max. 65dB(A) for fan cooling
4.4	Humidity	95 % max, non cond.
4.5	Safety	IEC/EN60950
4.6	EMC	EN 300 386 Conduction: class A Radiation: class B
4.7	Earthquake (NEBS GR-63 Core)	Standard: Zone 2 Optional: Zone 4

5. DC PDU		
5.1	DC PDU-Breaker	Battery breaker 1 x 250A 1x 16A (Fan), 2x16(Others)
5.2	DC I/P - Normal - Range	54Vdc 40-59Vdc

subject to change without notice

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