

Power system

DPS 2700C-48-12

Description

DPS 2700 C - 48 – 12 belongs to Delta MidD product series. This high density system is optimal for space critical applications. Integrated modular system allows flexible adaptations.

The system includes up to twelve rectifiers, AC and DC connections, battery connection and New smart control & supervisory unit. In addition to advanced supervision, short depth and easy installation are the success factors of the system.

Delta is known for quality and product reliability – in this solution that has been combined to cost-effectiveness.

Main features

- Power up to 34 kW, high power density
- Inbuilt Green Energy mode feature
- Option for enhanced monitoring and controlling
- True integrated modular design , saves valuable floor space
- 4 channel DC energy metering for measuring energy consumed by individual operators

Applications

- Wireless applications, network base stations
- Fixed line applications, data communications
- Multi operator sharing base station applications



Building on extensive R&D, effective modular production and fully customized solutions, Delta offers both InD – indoor – and OutD – outdoor - power systems. The products fall in categories of CellD, MidD and CabD based on size of the systems.

MidD systems are medium cabinet type systems and fit into various medium power requirement applications. The products in this series are specially designed for multi operator share BTS applications where space is limited. The power range of MidD series is typically 2 - 34 kW.



Technical specifications

1. Input

Mains connection	3L + N + PE
Voltage range	85 – 310 VAC 184 – 276 VAC (nominal)
Frequency	45 – 66 Hz
Main switch	MCB 125 A , 3 P
Transient protection	External

2. Output

Nominal system voltage	54 VDC
Maximum current	672@ 48V
Maximum power	34 kW

3. Load distribution

MCB for critical	19 x C40 (upto 63)
MCB for Non critical	8 x C40 (upto 63)
HRC fuses for Non critical	4 x 160 A (Max)
LVD	1 LVBD x 400 A 4 LVLD x 400 A (max)
Relay Output (PFC)	Total 8 (6 Configurable)

4. General

Efficiency	92 %
Number of rectifiers	12 (max)
Control and monitoring	NSCSU
Battery connection	3 HRC fuses x 400 A (max) 1 LVD x 400 A
Battery	external
Dimensions (H x W x D)	600x 600 x 500
System weight (w/o rectifiers)	55kg
Rectifier weight	1.75 kg
Standards	
• Safety	EN 60950, class I UL 60950 CAN / CSA – 22.2
• EMC	EN 55022
• Environment	RoHS compliant
Operating temperature	-25 °C - +75 °C

Subject to change without notice.



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