

Power system

DPS 2400B-48-30

Description

The DPS 2400B-48-30 belongs to the Delta CabD product series. This high power-density system is ideal for space critical applications. An integrated modular system allows flexible and adaptable installations.

The system includes up to twenty four rectifiers, AC and DC connections, battery connection and the Delta PSC 3 controller. In addition, easy installation and expandability add to the success of the system.

Delta is known for quality and product reliability, and to this solution has been added cost-effectiveness.

Main features

- Up to 72 kW (in one cabinet)
- Expandable with a 2nd cabinet
- Fan cooled rectifiers DPR 2400B-48
- Rectifier efficiency 94 %
- Power system controller PSC 3

Applications

- Core network components
- Telecommunications and data networks



Our product portfolio includes both indoor and outdoor power systems building on extensive R&D, modular production and customization. InD and OutD categories with CellD, MidD and CabD series can meet any of your size and location requirements.

CabD series can secure up to hundreds of kW of premium-quality electricity. The modularity and scalability of the systems enable fast roll-out and ease of expansion when needed. CabD offers the option of parallel installation for maximum capacity. The entire system can be controlled by a single unit.



Technical specifications

1. Input	
AC connection	(3L + N + PE) x 5
Nominal voltage	3 x 230 V _{RMS} (L-N)
Voltage range	88 - 300 V _{RMS}
Frequency range	45 - 66 Hz
Current nominal	5 x (3 x 27 A _{RMS}) @ 72kW
Mains terminal	Terminal blocks (5 x 3~)
Input protection, recom.	5 x 3 x 32 A (5 x 3~)
Transient OVP	Option

2. Output	
Voltage range	42 - 58 V _{DC} ; 53.5 V _{DC nom}
Power, nominal	72 kW
Three rows (See for distribution units)	DFU 30 x MCB DFU 20 x MCB DFU 14 x 00 DFU 8 x EFEN00 DFU 7 x 01 DFU 7 x 02 DFU 4 x EFEN02 DFU 5 x 03 DFU 4 x EFEN03
PLD	Option
Battery fuse	2 - 4 x 630 A 1 - 2 x 1600 A
LVD	Option

Ordering information	
Product line number	D0121414
Description	DPS 2400B-48-30

3. General	
Height, overall	1800, 2000, 2200 mm
Width, body	600 mm
Depth, overall	600 mm
Weight, system	~ 220 kg
Efficiency	≥ 94 %
Ambient temperature	-5 to +45 °C
Relative humidity	95 % max, non cond.
Safety	IEC/EN 60950
EMC	EN 300 386
Protection	IP 20
Controller	PSC 3
Rectifier	DPR 2400B-48

Subject to change without notice.



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