

Power system

DPS 1600B-48-12

Description

The DPS 1600B-48-12 is based on Delta DPR 1600B rectifiers. It belongs to the Delta CabD product series. This energy efficient, high power density system is ideal for space-critical applications. An integrated modular system allows flexible and adaptable installations.

The system includes up to twelve 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

- DPR 1600B-48 rectifiers
- Up to 19,2 kW (in one cabinet)
- Power system controller PSC 3
- Inverter option up to 7,5kVA

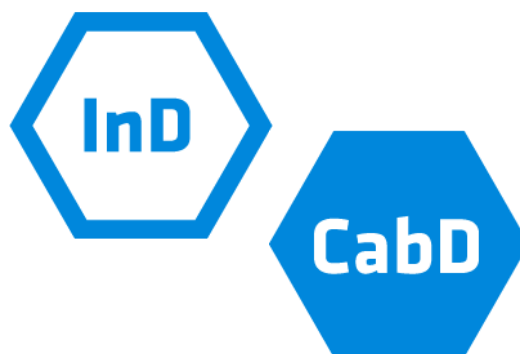
Applications

- 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's 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, 2 x (3L + N + PE) or 2 x (L + N + PE)
Nominal voltage	3 x 230 V _{RMS} (L-N), 2 x (3 x 230 V _{RMS}) (L-N) or 2 x (1 x 230 V _{RMS}) (L-N)
Voltage range	88 - 300 V _{RMS}
Frequency range	45 - 66 Hz
Current nominal	3 x 30.2 A _{RMS} @ 19,2kW 2 x (3 x 15.1 A _{RMS}) @ 19,2kW 2 x (1 x 45.4 A _{RMS}) @ 19,2kW
Mains terminal	Main switch, Terminal block
Input protection, recom.	3 x 40 A (1 x 3~), 2 x 3 x 20 A (2 x 3~) 2 x 63 A (2 x 1~)
Transient OVP	Option

2. Output

Voltage range	42 - 58 V _{DC} ; 53.5 V _{DC nom}
Power, nominal	19,2 kW
Two rows (See for distribution units)	DFU 40 x MCB, DFU 30 x MCB DFU 20 x MCB, DFU 14 x 00 DFU 6 x 00 + 18 x MCB
PLD	Option
Battery fuse	1 - 9 x MCB 80 A - 125 A 1 - 3 x MCB 160 A - 300A 1 - 6 x 00 63 A - 160 A 1 - 3 x 02 100 A - 400 A 1 - 2 x 03 315 A - 630 A
LVD	Option
Optional AC output power	9000 VA
Optional Static switch	7500 VA
Optional AC distribution	MCB's or DPN breakers

Ordering information

Product line number	3791199200
Description	DPS 1600B-48-12

3. General

Height, overall	1800, 2000, 2200 mm
Width, body	600 mm
Depth, overall	600 mm
Weight, system	≤ 220 kg
Efficiency	92 %
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 1600B-48
Inverter	API 1500A-230
Static switch	SSW 7500A-230

Subject to change without notice.



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