

# Power system

## DPS 2900B-48-12

### Description

The DPS 2900B-48-12 is based on Delta DPR 2900B EnergE 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 2900B-48 EnergE rectifiers
  - Efficiency 96,2 %
  - Remarkable cost savings of cooling
- Up to 34,8 kW (in one cabinet)
- 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)
Nominal voltage	3 x 230 V <sub>RMS</sub> (L-N)
Voltage range	88 - 300 V <sub>RMS</sub>
Frequency range	45 - 66 Hz
Current nominal	2 x (3 x 26.2 A <sub>RMS</sub> ) @ 34,8kW
Mains terminal	Main switch (2 x 3~) Terminal block (2 x 3~)
Input protection, recom.	2 x 3 x 40 A (2 x 3~)
Transient OVP	Option

2. Output	
Voltage range	42 - 58 V <sub>DC</sub> ; 53.5 V <sub>DC nom</sub>
Power, nominal	34,8 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

Ordering information	
Product line number	3791199200
Description	DPS 2900B-48-12

3. General	
Height, overall	1800, 2000, 2200 mm
Width, body	600 mm
Depth, overall	600 mm
Weight, system	≤ 220 kg
Efficiency	96,2 %
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 2900B-48

Subject to change without notice.



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