

## DPS 600B – 48 – 4 19" Power System



Illustrative photo

### General Features

- 19" 2U shelf power system up to 2400 W
- High power density
- Very short depth fits into 300 mm deep ETSI cabinets
- Fan cooled rectifiers DPR 600B-48 or DPR 300B-48
- Integrated power distribution
- Easy installation
- Dimensions (h x w x d) 88,9 x 435 x 280 mm

### Application

- Digital subscriber line (DSL)
- Transmission
- PBX
- Wireless base stations, Telecommunications, GSM networks
- Network components

### Description

The DPS 600B-48-4 19" power supply system is designed for various applications such as digital access, wireless base stations, microwave links as well as PABX. Numerous options provide solutions for global applications in different environments. The integrated modular power system allows flexible adaptations. It contains up to 4 rectifiers DPR 600B-48 or DPR 300B-48, AC- and DC-connections, battery connection and power system controller. These features together with the very short depth are the key factors for the success of this power system, offering cost-effective and reliable solutions.

This compact and high density power supply system is the perfect choice for space-critical locations

## Technical data

General	
Efficiency	> 92 % (DPR 600B-48) > 91,5 % (DPR 300B-48)
EMI, radiated	EN 55022, class B
Safety	EN 60 950, class I
Cooling	Fan cooled rectifiers
Protection	IP 20

Input	
AC connection	1 x L/N/PE
Nominal voltage	230 V <sub>RMS</sub>
Voltage range	88 to. 300 V <sub>RMS</sub>
Voltage range, reduced power	88 to 130 V <sub>RMS</sub> (DPR 600B-48)
Frequency range	50 / 60 Hz
Nominal current / phase	11,6A <sub>RMS</sub> (DPR 600B-48) 5,8A <sub>RMS</sub> (DPR 300B-48)
Maximum current	24A <sub>RMS</sub> (DPR 600B-48) 12A <sub>RMS</sub> (DPR 300B-48)
Line current	Meets IEC 1000-3-2
Mains terminal	Screw terminal 6mm <sup>2</sup>
Transient OVP	Optional / external

Output	DPR 600B-48	DPR 300B-48
Nominal voltage	53.5 V <sub>DC</sub>	
Voltage range	42 ÷ 58 V <sub>DC</sub>	
Output current	44,8 A <sub>DC</sub>	22,4 A <sub>DC</sub>
Current limitation	56 A <sub>DC</sub>	28 A <sub>DC</sub>
Power limitation	4 x 600 W	4 x 300 W
Nominal power	2400 W	1200 W
Redundant power	1800 W	900 W
Power @ 88 V <sub>RMS</sub>	1600 W	1200 W

Load Distribution	
Fuses (DIN 72581-3)	12 pieces / 1 ... 30 A
PLD	No
Battery Connection	
Fuses (DIN 72581-3)	2 x 40 A
LVD	Optional

Mechanics	
Construction	Steel rack
Cabinet standard	19 "
Width, body	430 mm
Depth, overall	280 mm
Height, overall	88,9 mm (2U)
Weight, system	5 kg (w/out rect.)
Weight, rectifiers	0,9 kg

Environment	
Operating temperature	-25 to +65 °C
Relative humidity	Max. 95% non cond.

Control and monitoring	
Power system controller	PSC 1 / PSC 3
See leaflet for power system controller.	

Options	
Number of rectifiers	1 to 4
LVD	60 A
Alt. AC selectivity fuses	4A (5 x 20mm) / module
Transient OVP	Option / External

Accessories	
Rectifier front cover	D0117507

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