

## DPS 600B – 48 – 2 19" Power System



Illustrative photo

### General Features

- 19" / 1U shelf power system up to 1200 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): 44.45 x 430 x 280 mm

### Applications

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

### Descriptions

The DPS 600B – 48 – 2 19" power supply system is designed for various applications. It contains up to 2 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	IP20

Input	
AC connection	1 x L/N/PE
Nominal voltage	230 V <sub>RMS</sub>
Voltage range	80 to 300 V <sub>RMS</sub>
Voltage range, reduced power	80 to 130 V <sub>RMS</sub> (DPR 600B-48)
Frequency range	50 / 60 Hz
Nominal current	5,8 A <sub>RMS</sub> (DPR 600B-48) 2,9 A <sub>RMS</sub> (DPR 300B-48)
Maximum current	12 A <sub>RMS</sub> (DPR 600B-48) 6 A <sub>RMS</sub> (DPR 300B-48)
Line current	Meets IEC 1000-3-2
Mains terminal	Screw terminal
Transient OVP	Option / 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	22,4 A <sub>DC</sub>	11,2 A <sub>DC</sub>
Current limitation	28 A <sub>DC</sub>	14 A <sub>DC</sub>
Power limitation	2 x 600 W	2 x 300 W
Nominal power	1200 W	600 W
Redundant power	600 W	300 W
Power @ 88 V <sub>RMS</sub>	800 W	600 W

Load distribution	
Fuses (DIN 72581-3)	4 pcs / 1 to 30 A
PLD	No

Battery Connection	
Fuses (DIN 72581-3)	2 x 40 A max.
LVD	Optional

Mechanics	
Construction	Steel rack
Cabinet standard	19"
Width, body	430 mm
Depth, overall	280 mm (including handles)
Height, overall	44,45 mm
Weight, system	5 kg (excluding rectifiers)
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 2
LVD	60 A
Alt. AC selectivity fuses	4 A (5 x 20 mm) / module
Transient OVP	For external installation

Accessories	
Rectifier front cover	D0117507

\* on request

A2B, s.r.o. reserves the right to change any specifications without prior notice.