

DC Power System DPS 300B/600B-48-2 19IN

The Power behind.



Main 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)
- Fiber in the loop
- Transmission
- PBX
- Network components

Description

The DPS 600B-48-2 19IN 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 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.

DC Power System DPS 300B/600B-48-2 19IN

Technical Specifications

General	
Efficiency	≥ 92 % (DPR 600B-48) ≥ 91.5 % (DPR 300B-48)
EMI, radiated	EN 55 022, class B
Safety	EN 60 950, class I
Cooling	Fan cooled
Protection	IP 20

Input	
AC connection	1 x L/N/PE
Nominal voltage	230 V _{rms}
Voltage range	80 ... 300 V _{rms}
Range, reduced power	80 ... 130 V _{rms} (DPR 600B-48)
Frequency range	50 / 60 Hz
Current nominal	5.8 A _{rms} (DPR 600B-48) 2.9 A _{rms} (DPR 300B-48)
Current maximum	12 A _{rms} (DPR 600B-48) 6 A _{rms} (DPR 300B-48)
Line current	Meets IEC 1000-3-2
Mains terminal	common terminal
Transient OVP	Option / external

Output	DPR 600B-48	DPR 300B-48
Voltage, nominal	53.5 V _{dc}	
Voltage range	42 ... 58 V _{dc}	
Output current	22.4 A _{dc}	11.2 A _{dc}
Current limitation	28 A _{dc}	14 A _{dc}
Power, limitation	2 x 600 W	2 x 300 W
Power, nominal	1200 W	600 W
Power, redundant	600 W	300 W
Power, at 88V _{rms}	800 W	600 W

Load distribution	
Fuses (DIN 72581-3)	4 pieces / 1 ... 30 A
PLD	None

Battery connection	
Fuses (DIN 72581-3)	2 pieces / 40 A
LVD	Option

Mechanics	
Construction	Steel rack
Cabinet standard	19 IN
Width, body	430 mm
Depth, overall	280 mm (including handles)
Height, overall	44.45 mm (1 U)
Weight, system	5 kg / 11 lb (excluding rectifier)
Weight, rectifier	0.9 kg / 2.0 lb

Environment	
Operation temperature	-25 ... +65 °C
Relative humidity	95 % max, non condensing

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

Options	
Number of rectifiers	1 ... 2
LVD	60 A
AC selectivity fuse	4 A (5 x 20 mm) per module
Transient OVP	For external installation

Accessories	
Rectifier front cover	D0117507

Subject to change due to technical progress.