

DPS 1200B – 48 – 4 19" / DPS 1600B – 48 – 4 19" Power System



Illustrative photo

General Features

- 19" 3 U rectifier shelf power up to 4800 W / 6400W
- Fan cooled DPR 1200B-48 / DPR 1600B - 48 Rectifiers
- Integrated power distribution
- Dimensions (h x w x d) 133 x 450.5 x 272 mm

Applications

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

Description

The DPS 1200B – 48 – 4 19" / DPS 1600B – 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 1200B – 48 / DPR 1600B – 48, AC- and DC connections, battery connection and power system controlled. These features together with the very compact depth are the key factor for the success of this power system and it offers cost-effective and reliable solutions.

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

Technical data

General	DPS 1200B – 48 – 4 19IN	DPS 1600B – 48 – 4 19IN
Efficiency	> 91 %	> 92 %
EMI, radiated	EN 55022, class B	
Safety	EN 60 950, class I	
Compliant with	EN 300 386-2	
Cooling	Fan cooled	

Input	DPS 1200B – 48 – 4 19IN	DPS 1600B – 48 – 4 19IN
AC connection	3L + N + PE	
Nominal voltage	3 x 230/400 V _{RMS}	
Voltage range	88 ÷ 300 V _{RMS}	85 ÷ 300 V _{RMS}
Voltage range, reduced power	88 ÷ 184 V _{RMS}	85 ÷ 184 V _{RMS}
Frequency range	50 / 60 Hz	
Nominal current / phase	15 A (4 rectifiers)	19 A (4 rectifiers)
Maximum current	< 22 A _{PEAK} (4 rectifiers)	< 30 A _{PEAK} (4 rectifiers)
Line current	Meets IEC 1000-3-2	
EMI, conducted	EN 55 022, class B	
Mains terminal	Terminal block	

Output	DPS 1200B – 48 – 4 19IN	DPS 1600B – 48 – 4 19IN
Nominal voltage	53.5 V _{DC}	
Voltage range	42 ÷ 58 V _{DC}	
Voltage error, static	± 250 m V _{DC}	
Overvoltage protection	59 V ± 1 V	
Ripples + spikes	≤ 200 mVp-p	
Psophometric noise	≤ 1.0 mV _{RMS}	
EMI, conducted	EN 55 022, class A	
Nominal power	4800 W (4 rectifiers)	6400 W (4 rectifiers)
Redundant power	3600 W (4 rectifiers)	4800 W (4 rectifiers)

Load distribution	
MCB	9 pcs / 1 to 63 A
LVL D	No

Battery connection	
MCB	2 x 125 A max.
LVD	Optional

Mechanics	
Construction	Steel rack
Cabinet standard	19 IN
Width, body	450,5 mm
Depth, overall	272 mm
Height, overall	133 mm
Weight, system	9 kg
Weight, rectifiers	4 x 1,25 kg

Environment	
Temperature	
- Operation	-25 to +75 °C
- Reduced Power	65 to +75°C
Relative humidity	Max. 95% non cond.
Protection	IP20

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

Options	
Number of rectifiers	1 to 4
AC connection	3L + PE (220/240 V _{RMS} L-L) L + N + PE
Display	System voltage, current
Transient OVP	For 3L + N + PE (external)

Accessories	
Rectifier front cover	D0112127

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