

The power advantage ...

Power System DPS 1200B-48-6 19IN



Features

- 19" 3 U rectifier shelf power up to 7200 W
- Fan cooled DPR 1200B-48 Rectifiers
- Integrated power distribution
- Dimensions (h x w x d) 133 x 482 x 270 mm (19", 3 U)

Applications

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

Description

The DPS 1200B-48-6 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 6 rectifiers, AC- and DC-connections, battery connection and power system controller PSC 3. 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.

DPS 1200B-48-6 19IN: Technical specifications

General

Efficiency	>91 %
Safety	EN 60 950, class I UL 60 950 CAN / CSA - 22.2
EMI, radiated	EN 55 022, class B
Compliant with	EN 300 386-2
Cooling	Fan cooled

Input

AC connection	3L + N + PE
Nominal voltage	3 x 230/400 V _{rms}
Voltage range	88 .. 300 V _{rms}
Volt. range, red. power	88 ... 184 V _{rms}
Volt. range, no PFC	276... 300 V _{rms}
Current max. / phase	15 A (6 rect.)
Inrush current / phase	< 22 A _{peak} (6 rect.)
Line current	Meets IEC 1000-3-2
EMI, conducted	EN 55 022, class B
Mains terminal	Terminal block

Output

Voltage, nominal	53.5 V _{dc}
Voltage adjust range	42 ... 58 V _{dc}
Voltage error, static	± 250 mV _{dc}
Overvoltage protection	59 V ± 1V
Ripple + spikes	£ 200 mV _{p-p}
Psophometric noise	£ 1.0 mV _{rms} (weighted)
EMI, conducted	EN 55 022, class A
Output power (nominal)	7200 W (6 rect.)

Load distribution

Load breakers	4 MCBs, 1 ... 63 A
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Battery connection

Battery strings	2
LVD	Option
Battery breaker	max. 125 A

Mechanics

Construction	Steel rack
Width, overall	482 mm (19")
Depth, overall	270 mm
Height, overall	133 mm (3 U)
Weight (w/o rectifiers)	8.5 kg
Weight rectifier	1.25 kg each
Protection	IP 20

Environment

Ambient temperature	-25... + 75 °C
Reduced power	65 ... + 75 °C
Relative humidity	95 % max, non cond.

Control & alarms

Power system controller	PSC 3 PSC 200*
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Options

No. of rectifiers	1 ... 6
Transient OVP (external)	for 3L + N + PE
AC connection	3L+PE (220/240V _{rms} L-L)*
Display	System voltage, current

Accessories

Rectifier front cover	D0112127
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* on request

Subject to change due to technical progress