

Rectifier DPR 1600

Description

The DPR 1600 Series is a single phase rectifier with outstanding power density. This rectifier is optimal for 1U or 3U shelf solutions. Its short depth and extended operating temperature range make it most suitable for space-critical and pole-mount applications.

Installation is simplified as all Delta rectifiers have their connectors at rear and are hot-pluggable. Fan cooling with speed control ensures near silent operation.

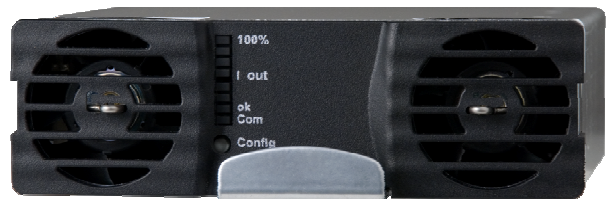
Main features

- Energy saving – high efficiency
- Advanced energy saving functionality
- Space savings – leading edge power density
- Protection against loss of Neutral and AC overvoltage
- Up to 100 A capacity in a 19-inch shelf system
- Extended operating temperature range
- Very low audible noise

Applications

DPR 1600 is used in Delta CellID, MidD and OutD systems for:

- Network base stations
- Wireless applications
- Fixed line applications, data communications



Delta rectifiers are market leaders in power density offering solutions for compact space and weight requirements. In addition to that, the highest efficiency ensures lower total energy consumption and leads to smaller environmental footprint.

With a focus on continuous improvement of total cost of ownership, Delta rectifiers combined with advanced controlling and monitoring units help reducing both CAPEX and OPEX.

Rectifier DPR 1600

Technical specifications

1. Input

Mains voltage	85 - 300 Vrms
Mains frequency	50 / 60 Hz
Harmonic distortion (THD)	5 %
EMI (conducted)	EN 55022, class B
Protection	Internal fuse 2 x 15 A
AC over voltage protection	Incl. loss of neutral

2. Output

Nominal system voltage	53.5 V
Operating voltage range	42 - 58 V
Power limitation	1600 W
Current limitation	33.4 A
Overvoltage protection	59 V
EMI (conducted)	EN 55022, class A
Load sharing	yes
Protection	Internal fuse

3. General

Efficiency	92 %
Power density	24 W / in ³
Control and monitoring	PSC 1 / PSC 1000 PSC 3
User interface	Output current display Status indication
Dimensions (W x H x D)	40.8 x 132 x 232.5 mm 1.6 x 5.2 x 9.15 in
Weight	1.25 kg 2.75 lb
Standards	
• Safety	EN / IEC 60950 UL 60950 CAN / CSA - C22.2
• EMI (radiated)	EN 55022, class B
• Environment	RoHS compliant
Cooling	Fan cooled
Acoustics	48 dB (A)
Operating temperature	-45 to +75 °C -49 to +167 °F

Ordering information

Description	DPR 1600B-48
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Subject to change without notice.



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