

Rectifier DPR 2000

Description

The DPR 2000 rectifier is a new 96 %, high efficiency product, and part of Delta's new EnergE Series. Combined with market's leading power density of this product family is ensuring cutting edge total energy efficiency. This rectifier is optimal for 1U solutions and provides up to 8 kW in one shelf. Compact, CAPEX effective solutions for a higher demand can be provided with the DPR 2900 product series.

Installation is simplified as all Delta rectifiers have their connectors at rear and are hot-pluggable. Retrofit is easy ensuring new level efficiency.

Main features

- OPEX & energy saving – leading efficiency 96 %
- Space saving – world's leading packaging of high efficiency technology – up to 8 kW in 1U shelf
- Power density 23.5 W / in³
- Easy retrofit to existing DPR 2700 Series installations
- Integrated AC overvoltage protection

Applications

DPR 2000 is used in Delta InD 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's total cost of ownership concept covers the highest energy efficiency and power density rectifiers, advanced controlling and monitoring. Leading system level efficiency is unconditional way to reduce environmental footprint and help reducing both CAPEX and OPEX. The EnergE rectifiers meet the new standard of energy efficiency.

EnergE

Rectifier DPR 2000

Technical specifications

1. Input	
Mains voltage	80 - 300 Vrms
Mains frequency	50 / 60 Hz
Harmonic distortion (THD)	5 %
EMI (conducted)	EN 55022, class B
Protection	Internal fuse 16 A
AC over voltage protection	Incl. loss of neutral

2. Output	
Nominal system voltage	54 V
Operating voltage range	40 - 59.5 V
Power limitation	2000 W
Current limitation	42 A
Overvoltage protection	59 V
EMI (conducted)	EN 55022, class A
Load sharing	Yes
Protection	Internal fuse

Ordering information	
Description	DPR 2000B-48 ESR 48/40B F

3. General	
Efficiency	96.2 %
Power density	23.5 W / in ³
Control and monitoring	PSC 3
User interface	Status indication
Dimensions (W x H x D)	125.5 x 41.0 x 269.9 mm 4.9 x 1.6 x 10.6 in
Weight	2.0 kg / 4.4 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	50 dB (A)
Operating temperature	-40 to +75 °C -40 to +167 °F

Subject to change without notice.



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