

Rectifier DPR 850B

Description

DPR 850B Series is a single phase rectifier with outstanding efficiency and power density. This rectifier is optimal for 1U shelf solutions, and the short depth and extended operating temperature range make it most suitable for space-critical wired and wireless broadband applications.

Easy installation is secured as all Delta rectifiers are hot-pluggable and have connectors at rear. The fan cooling with speed control ensures silent operations.

Main features

- Energy saving – leading edge efficiency
- Advanced energy saving functionality
- Space savings – leading edge power density
- Space saving – 1U height and very short depth
- Silent operation – very low audible noise
- High reliability – protection against loss of Neutral and AC overvoltage

Applications

Typically Delta CellID and OutD systems used in:

- Wireless applications, network base stations and transmission
- Fixed line broadband applications



Delta rectifiers have market's leading power density bringing along diminutive space requirements. The highest energy efficiency enables lower energy consumption and leads to smaller environmental footprint.

We are focusing on continuous improvement of total cost of ownership. Delta rectifiers combined with advanced controlling and monitoring units enable not only squeezing CAPEX but also OPEX. The EnergyE rectifiers meet the new standard of energy efficiency.

EnergyE

Rectifier DPR 850B

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 2 x 8 A (L,N)
AC over voltage protection	Incl. loss of neutral

2. Output	
Nominal system voltage	53.5 V
Operating voltage range	42 - 58 V
Power limitation	850 W
Current limitation	17.7 A
Overvoltage protection	59 V
EMI (conducted)	EN 55022, class A
Load sharing	yes
Protection	Internal fuse

Ordering information	
Description	DPR 850-48

3. General	
Efficiency	95.2 %
Power density	30 W / in ³
Control and monitoring	PSC 3 / CSU 502
User interface	Status indication
Dimensions (W x H x D)	51.8 x 40 x 247.2 mm 2.04 x 1.57 x 9.73 in
Weight	0.6 kg 1.32 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	44 dB (A)
Operating temperature	-40 - +75 °C -40 - +167 °F

Subject to change without notice.



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