

## Rectifier DPR 850B-48 EnergE



Illustration photo

### General 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

### Application

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

### 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 ensured silent operations.

## Technical specifications

General	
Efficiency	95.2%
Safety	EN / IEC 60 950 UL 60 950 CAN / CSA – C22.2
EMI (radiated)	EN 55022, class B
Cooling	Fan cooled
Power density	30 W / In <sup>3</sup>
Operating temperature	- 40 to + 75°C (-40 to + 167°F)
Noise	44 dB(A)

Input	
Voltage range	80 až 300 V <sub>RMS</sub>
Frequency	50/60 Hz
Harmonic distortion (THD)	5%
Power factor	~ 1,0
EMI (conducted)	EN 55022, class B
AC supply connection	From the back
Input protection	Internal fuse 2 x 8 A
AC over-voltage protection	Incl. loss of neutral

Output	
Nominal voltage	53.5 V <sub>DC</sub>
Output voltage range	42 to 58 V <sub>DC</sub>
Overvolt. protection	59 V <sub>DC</sub>
EMI (conducted)	EN 55022, class A
Current limitation	17.7 A <sub>DC</sub>
Power limitation	850 W
Output connector	back
Output protection	Internal fuse
Load sharing	Yes

Other parameters	
Width	51,8 mm (2,04 in)
Height	40 mm (1,57 in)
Depth	247,2 mm (9,73 in)
Weight	0.6 kg (1.32 lb)

**EnergE**

Illustration photo CellID 40



Illustration photo CellID100



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