

DPR 3000 EnergE

Single Phase Rectifier



Descriptions

Delta's new telecom rectifier DPR 3000 EnergE provides the industrial leading efficiency of 97.5%. The single phase, hot pluggable fan cooled rectifier provide the 56.8W/in³ outstanding power density. Integrated with the high efficiency rectifier DPR 3000-EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.

Main features

- 3000 Watt 97.5% high efficiency rectifier
- High power density 56.8 W/in³
- Space saving – world's leading packaging of high efficiency technology – up to 15 kW in 19" x 1U shelf
- OPEX saving
- Backwards Compatible with Delta Slimline series
- Hot pluggable
- Wide input voltage range
- Wide temperature operating
- High reliability
- TUV, UL and CE certificate

Applications

- LTE/4G/5G
- Fixed line
- Datacom



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Technical specifications

Model **DPR 3000B-48 ID:B1**

1. Input	
Mains voltage	90 - 300 V _{RMS}
Mains frequency	50 / 60 Hz
Power factor	>0.99
Harmonic distortion (THD)	5 %
EMI (conducted)	EN 55022, class B
Protection	Internal fuse 2 x20A
AC over voltage protection	Incl. loss of neutral

2. Output	
Nominal system voltage	54.0 V _{DC}
Operating voltage range	43.0 – 58.0 V _{DC}
Power limitation	3000W
Current limitation	60 A
Over voltage protection	59.0 V
EMI (conducted)	EN 55022, class A
Load sharing	Yes
Protection	Internal fuse

3. General	
Peak efficiency	97.5%
Power density	56.8 W/in ³
Communication Interface	CAN bus
User interface	Status indication
Cooling	Fan cooled
Acoustics	55 dB (A)
Dimensions (W x H x D)	84.0 x 41.0 x 265.0 mm (3.3 x 1.6 x 10.3 inch)
Weight	1.5 kg (3.3 lb)
Operating temperature	-40 to +75 °C (-40 to +167 °F)
Relative humidity	95%, non-condensing (Max.)

4. Standards	
Safety	EN / IEC 60950 UL 60950 CAN / CSA - C22.2
EMI (radiated)	EN 55022, class B
Environment	RoHS compliant
Protection class	IP20 (EN 60529)

5. Ordering Information	
Part number	ESR-48/60B A

*All specifications are subject to change without prior notice.

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<http://www.deltapowersolutions.com/en/tps/index.php>

