

DPR 4000 EnergE 97%

Single phase rectifier

Description

Delta's technology leading telecom rectifier DPR 4000B EnergE provides the industrial leading efficiency of 97%. The single phase, hot pluggable fan cooled rectifier provides the 27.3W/in³ outstanding power density. Using the high efficiency rectifier DPR 4000 EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.

Main features

- Energy saving – ultra high efficiency 97%
- Advanced energy saving functionality
- Space saving – up to 24 kW / 500 A per 23" x 2U shelf
- Wide AC input voltage range
- Protection against loss of Neutral and AC over voltages
- Extended operating temperature range
- Fully backwards compatible to DPR 4000B-48 ID:A2 and ID:A3

Applications

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



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Input

Mains voltage	80 - 305 _{VRMS}
Mains frequency	50 / 60 Hz
Touch current @ 50/60Hz	<3mA
Harmonic distortion (THD)	5%
EMI (conducted)	EN 55022, class B
Protection	Internal fuse 2 x 30 A
AC over voltage protection	Incl. loss of neutral

Output

Nominal system voltage	53.5 V
Operating voltage range	42 – 58 V
Power limitation	4100 W
Current limitation	85 A
Over voltage protection	59 V
EMI (conducted)	EN 55022, class A
Load sharing	Yes
Protection	Internal fuse

General

Efficiency	97 %
Power density	27.3 W/in ³
Communication Interface	CAN bus
Control and monitoring	ORION
User interface	Status indication
Dimensions (W x H x D)	82.0 x 85.4 x 378.4 mm
Weight	3.5 kg (7.7 lb)

Standards

Safety	IEC/EN/UL 62368-1 CAN/CSA C22.2 No. 62368-1
EMI (radiated)	EN 55022, class B
Environment	RoHS compliant
Cooling	Fan cooled
Acoustics	50 dB (A)
Operating temperature	-45 to +75 °C (-49 to +167 °F)

Ordering information

DPR 4000B-48 ID:G10	TPS1010040A (Global)
DPR 4000B-48 ID:A10	TPS1010034A (India)

Delta Group Website:

www.deltaww.com

Product Website:

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*All specifications are subject to change without prior notice.

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