

Rectifier DPR 2400

Description

The DPR 2400 Series is a single phase rectifier with outstanding power density. Hosting up to six rectifiers, a single 1U shelf can support an optimum AC feed architecture with a capacity up to 14.4 kW, lowering installation costs. An extended operating temperature range makes it most suitable for indoor and outdoor applications.

Installation is simplified as all Delta rectifiers have their connectors at rear and are hot-pluggable. Fan cooling with speed control ensures near silent operation.

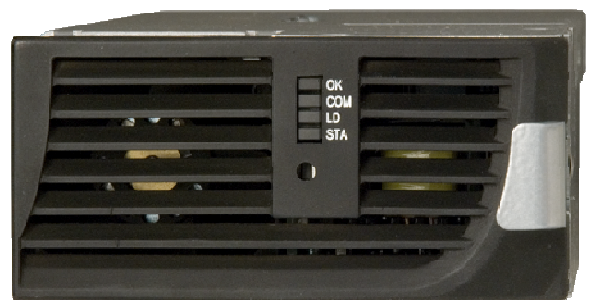
Main features

- Space savings – leading edge shelf power density
- Energy saving – high efficiency
- Advanced energy saving functionality
- Protection against loss of Neutral and AC overvoltage
- Extended operating temperature range
- Low audible noise

Applications

DPR 2400 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 rectifiers combined with advanced controlling and monitoring units help reducing both CAPEX and OPEX.

Rectifier DPR 2400

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 20A
AC over voltage protection	Incl. loss of neutral

2. Output

Nominal system voltage	53.5 V
Operating voltage range	42 - 58 V
Power limitation	2450 W
Current limitation	53 A
Overvoltage protection	59 V
EMI (conducted)	EN 55022, class A
Load sharing	yes
Protection	Internal fuse

3. General

Efficiency	94.3 %
Power density	35 W / in ³
Control and monitoring	PSC 3
User interface	Status indication
Dimensions (W x H x D)	83 x 40.5 x 361.4 mm 3.23 x 1.60 x 14.23 in
Weight	1.5 kg 3.30 lb
Standards • Safety • EMI (radiated) • Environment	EN / IEC 60950 UL 60950 CAN / CSA - C22.2 EN 55022, class B RoHS compliant
Cooling	Fan cooled
Acoustics	46 dB (A)
Operating temperature	-45 to +75 °C -49 to +167 °F

Subject to change without notice.

Ordering information

Description	DPR 2400B-48
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Delta Energy Systems (Switzerland) AG
Freiburgstrasse 251, CH-3018 Bern - Bümpliz
Phone: +41 31 998 5311, Fax: +41 31 998 5353

www.deltapowersolutions.com