



DPR 3000B EnergyE

Single Phase Rectifier

Product Feature

- 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

Specifications

Model DPR 3000B-48 ID:B1

1. Input

Mains voltage 90 - 300 V_{AC}

Mains frequency 50 / 60 Hz

Harmonic distortion (THD) 5 %

EMI (conducted) EN 55022, class B

Protection Internal fuse 20 A x 2

2. Output

Nominal system voltage 54.0 V_{DC}

Operating voltage range 43 – 58V_{DC}

Output power 3000 W

Current limitation 60 A

Over voltage protection 59.0 V

EMI (conducted) EN 55022, class A

Load sharing Yes

Protection Internal fuse

3. General

Efficiency 97.5%

Power density 56.8 W/in³

Communication Interface CAN bus

Control and monitoring ORION / CSU502 controller

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)

Protection class IP20 (EN 60529)

Relative humidity 95%, non-condensing (Max.)

4. Standards

Safety EN / IEC 60950
UL / cUL 60950
CAN / CSA - C22.2

EMI (radiated) EN 55022, class B

Environment RoHS compliant

5. Ordering information

-48V Rectifier ESR-48/60B A

*All specifications are subject to change without prior notice.



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