DPR 850 EnergE

Single Phase Rectifier

Description

DPR 850B Series is a single phase rectifier with out-standing 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 ensures silent opera-tions.

Main 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 over voltage

Applications

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



DPR 850 EnergE

Single Phase Rectifier

Technical specifications

Model	DPR 850B-48 ID:A1
1. Input	
Mains voltage	80 - 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 x8A
AC over voltage protection	Incl. loss of neutral

2. Output	
Nominal system voltage	53.5 V_{DC}
Operating voltage range	42.0 – 58.0 V_{DC}
Power limitation	850W
Current limitation	17.7 A
Over voltage protection	59.0 V
EMI (conducted)	EN 55022, class A
Load sharing	Yes
Protection	Internal fuse

3. General	
Peak efficiency	95.2%
Power density	30 W/in3
Communication Interface	CAN bus
User interface	Status indication
Cooling	Fan cooled
Control & Monitoring	ORION Controller
Acoustics	44 dB (A)
Dimensions (W x H x D)	51.8 x 40.0 x 247.2 mm (2.04 x 1.57 x 9.73 in)
Weight	0.6 kg (1.32 lb)
Operating temperature	-40 to +75 °C (-40 to +167 °F)
Relative humidity	95%, non-condensing (Max.)

4. Standards	
Safety	IEC/EN/UL 62368-1 CAN/CSA C22.2 No. 62368-1
EMI (radiated)	EN 55022, class B
Environment	RoHS compliant
Protection class	IP20 (EN 60529)

5. Ordering Information	
Part number	TPS1010004C (Global) TPS1010022A (US)

DELTA ELECTRONICS, INC.
J3 Tungyuan Road, Chungli Industrial Zone,
Taoyuan City 32063, Taiwan.
TEL : +886-3-452-6107 FAX : +886-3-452-7314

http://www.deltaww.com

powerbox
Powering Progress

Authorised, valued-added distributor

Australia & New Zealand



Powerbox Australia Pty Ltd
Sydney Head Office
4 Beaumont Road,
Mt Kuring-Gai, NSW 2080
Australia

1800 251 380

sales@powerbox.com.au

powerbox.com.au

Powerbox Pacific Ltd
New Zealand Sales Office
1a Henry Rose Place,
Albany, Auckland
New Zealand 0632

09 4158 320

sales@powerbox.co.nz

powerbox.co.nz