



DPR 3000 EnergE

Single Phase Rectifier

Product Feature

- Energy saving – leading edge efficiency 98%
- Advanced energy saving functionality
- Outstanding power density 56.8W/in³
- Low carbon emissions
- Space saving – leading edge power density
up to 15kW in 19" x 1U shelf
- Space saving – leading edge power density
up to 18kW in 23" x 1U shelf
- Wide AC input voltage range
- Protection against loss of Neutral and AC over voltage



Smarter. Greener. Together.

Specifications

Model	DPR 3000E-48 ID:D1
1. Input	
Mains voltage	80 - 300 V _{RMS}
Mains frequency	50 / 60 Hz
Harmonic distortion (THD)	≤ 5 % @ loads ≥ 50 %
EMI (conducted)	EN 55022, class B
Protection	Internal fuse 2 x 20 A
AC over voltage protection	Incl. loss of neutral
2. Output	
Nominal system voltage	54.0 V _{DC}
Operating voltage range	40.0 – 58.0 V _{DC}
Power limitation	3000W
Current limitation	63.5 A
Over voltage protection	58.5 V
EMI (conducted)	EN 55022, class A
Load sharing	Yes
Protection	Internal fuse
3. General	
Efficiency	98%
Power density	56.8 W/in ³
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 x 41 x 270mm (3.3 x 1.6 x 10.6 in)
Weight	1.4 kg (3.0 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	TPS1010027A

*All specifications are subject to change without prior notice.

Delta Group Website:

www.deltaww.com

Product Website:

www.deltapowersolutions.com

United States of America & Canada

Delta Greentech (USA) Corp.
2925 E. Plano Parkway,
Plano, TX (Texas) 75074 U.S.A.

Central America

Delta Electronics International Mexico
S.A. de C.V.
Vía Dr. Gustavo Baz No., 2160,
Colonia La Loma, 54060 Tlalnepantla
Estado de Mexico

South America

Delta Greentech (Brasil) S.A
Rua Itapeva, 26 - 3º, andar Edifício
Itapeva, One - Bela Vista 01332-000 -
São Paulo - SP - Brazil

Asia Pacific

Delta Electronics, Inc.
3 Tungyuan Rd., Chungli Industrial
Zone, Taoyuan City 32063, Taiwan,
R.O.C.

China

Delta Electronics (Shanghai) Co., Ltd.
No.182 Minyu Road, Pudong Shanghai,
P.R.C. 201209

Japan

Delta Electronics (Japan), Inc.
2-1-14 Shibadaimon, Minato-ku,
Tokyo 105-0012, Japan

Russia

Delta Energy Systems (Russia)
Vereyskaya Plaza II, office 112
121357 Moscow, Russia

Europe

Delta Energy Systems (Switzerland) AG
Freiburgstrasse 251,
3018 Bern-Bümpliz, Switzerland