

DPR 2900 EnergE

Single Phase Rectifier



Descriptions

Delta's new telecom rectifier DPR 2900 EnergE provides the industrial leading efficiency of 97.2%. The single phase, hot pluggable fan cooled rectifier provide the 36.5W/in³ outstanding power density. Integrated with the high efficiency rectifier DPR 2900-EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.

Main features

- OPEX & energy saving – leading efficiency 97.2%
- OPEX saving – extended temperature range
- Space saving – world's leading packaging of high efficiency technology – up to 11.6 kW in 1U shelf
- Power density 36.5 W/in³
- Easy retrofit to existing DPR 2700 Series installations
- Integrated AC over voltage protection

Applications

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

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Technical specifications

Model **DPR 2900B-48 ID:A3**

1. Input	
Mains voltage	90 - 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 x20A
AC over voltage protection	Incl. loss of neutral

2. Output	
Nominal system voltage	54.0 V _{DC}
Operating voltage range	43.0 – 58.0 V _{DC}
Power limitation	2900W
Current limitation	56.25 A
Over voltage protection	59.0 V
EMI (conducted)	EN 55022, class A
Load sharing	Yes
Protection	Internal fuse

3. General	
Peak efficiency	97.2%
Power density	36.5 W/in ³
Communication Interface	CAN bus
User interface	Status indication
Cooling	Fan cooled
Acoustics	55 dB (A)
Dimensions (W x H x D)	125.5 x 41.0 x 269.9 mm (4.9 x 1.6 x 10.6 in)
Weight	2.0 kg (4.4 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	ESR-48/56D A

*All specifications are subject to change without prior notice.

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<http://www.deltapowersolutions.com/en/tps/index.php>

