

DPR 2900 EnergE

Single Phase Rectifier



Descriptions

Optimal for compact 1U shelf solutions, the DPR 2900 rectifier series provides up to 11.6 kW in CellID shelf systems. The small size makes it a good choice for embedded power in wireless base stations or in broadband access points. The DPR 2900 series rectifiers have an energy efficiency of over 96%, making them EnergE models.

Main features

- OPEX & energy saving – leading efficiency 96.4 %
- 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:A4**

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	42.0 – 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	96.4%
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-48/56C F

*All specifications are subject to change without prior notice.

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

