

# DPR 2900 EnergE

## Single Phase Rectifier

### Product Feature

- 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/in<sup>3</sup>
- Integrated AC over voltage protection



# Specifications

Model	DPR 2900B-48
<b>1. Input</b>	
Mains voltage	80 - 310 VRMS
Mains frequency	50 / 60 Hz
Harmonic distortion (THD)	5 %
EMI (conducted)	EN 55022, class B
Protection	Internal fuse 20 A
AC over voltage protection	Incl. loss of neutral
Power factor	0.99
<b>2. Output</b>	
Nominal system voltage	54.0 V
Operating voltage range	40 – 58 V
Power limitation	2900 W
Current limitation	56.25 A
Over voltage protection	59.0 V
EMI (conducted)	EN 55022, class A
Load sharing	Yes
Protection	Internal fuse
<b>3. General</b>	
Efficiency	96.4 %
Power density	36.5 W/in <sup>3</sup>
Communication Interface	CAN bus
Control and monitoring	ORION
User interface	Status indication
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	1.95 kg (4.4 lb)
<b>4. Standards</b>	
Safety	IEC/EN/UL 62368-1 CAN/CSA C22.2 No. 62368-1
EMI (radiated)	EN 55022, class B
Environment	RoHS compliant
Cooling	Fan cooled
Acoustics	55 dB (A)
Operating temperature	-40 to +75 °C (-40 to +167 °F)
<b>5. Ordering information</b>	
Part number	ESR-48/56C F-A

\*All specifications are subject to change without prior notice.

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**Product Website:**

[www.deltapowersolutions.com](http://www.deltapowersolutions.com)

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