



DPR 2900 EnergeE > Single Phase Rectifier

Product Feature

- 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

Specifications

Model DPR 2900B-48 ID:A3

1. Input

Mains voltage	90 - 300 V _{RMS}
Mains frequency	50 / 60 Hz
Harmonic distortion (THD)	5 %
EMI (conducted)	EN 55022, class B
Protection	Internal fuse 20 A x 2
AC over voltage protection	Incl. loss of neutral

2. Output

Nominal system voltage	54.0 V
Operating voltage range	43 – 58V
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

3. General

Efficiency	97.2 %
Power density	36.5 W/in ³
Communication Interface	CAN bus
Control and monitoring	ORION / CSU502 controller
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	2.0 kg (4.4 lb)

4. Standards

Safety	EN / IEC 60950 UL/cUL 60950 CAN / CSA - C22.2
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)

5. Ordering information

Part number	ESR-48/56D A
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*All specifications are subject to change without prior notice.

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