

DPR 2900B EnergE

Single Phase Rectifier



Delta's technology leading telecom rectifier DPR 2900B EnergE provides the industrial leading efficiency of 96.4%. The single phase, hot pluggable fan cooled rectifier provides the 36.5W/in³ outstanding power density. Integrated with the high efficiency rectifier DPR 2900B EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.



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EAAGEG-08-ZL

INPUT

Voltage (nominal)	230V _{AC}
Voltage (range)	90 - 300V _{AC} ; De-rating ≤ 176V _{AC}
Frequency	45 - 66Hz
Power Factor	> 0.99
Total Harmonic Distortion	< 5%
Lightening Protection	EN 61000-4-5

OUTPUT

Voltage (default)	-54.0V _{DC}
Voltage (adjustable range)	-42 to -58V _{DC}
Maximum Output Current	56.25A
Maximum Power @ nominal Input	2900W
Power Density	36.5W/in ³
Peak Efficiency	96.4%
Load Regulation	≤ ± 250mV
Ripple	≤ 150mV
Current Sharing	≤ ± 5%
Lightening Protection	EN 61000-4-5

USER INTERFACE

Alarm and Signaling	CANbus to System Controller		
Indications	OK	Green	Normal Operation
	NL	Yellow	Output current < 5%
	COM	Green	Communication Status

MECHANICAL

Dimensions (W x H x D)	125.5 x 41.0 x 272.9mm (4.94 x 1.61 x 10.74in)
Weight	1.8kg (3.96lb)

ENVIRONMENTAL

Operating Temperature	-40 to +75 °C (-40 to +167 °F) ; De-rating above 45°C (+113 °F)
Storage Temperature	-40 to +80 °C (-40 to +176 °F)
Altitude	0 to +4000m
Related Humidity	0 – 95 % RH non-condensing
Acoustic Noise	≤ 55dBA

STANDARDS

Safety	Passes TUV, CE, UL cUL, S-mark certifications; Catch the CB certificate; Complies with IEC/EN/UL60950-1
EMC	EN 55032 AC Class B & DC output Class A EN 300 386
Environment	RoHS
MTBF	300k hours @ 25 °C (+77 °F)

* All specifications are subject to change without prior notice.

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