

DPR 2900F EnergE

Three Phase Rectifier



Delta's technology leading telecom rectifier DPR 2900F EnergE provides the industrial leading efficiency of 95.0%. The three phase, hot pluggable fan cooled rectifier provides the 18W/in³ outstanding power density. Integrated with the high efficiency rectifier DPR 2900F 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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GOACCK-11-ZL

INPUT

Line to Line Voltage (nominal)	220V _{AC}
Line to Line Voltage (range)	176 - 264V _{AC}
Frequency	45 - 65Hz
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}
Output Current	56.25A @ default voltage
Maximum Power @ nominal Input	2900W
Power Density	18W/in ³
Peak Efficiency	95.0%
Load Regulation	≤ ± 270mV
Ripple	≤ 150mV
Current Sharing	≤ ± 5%
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)	83.0 x 83.0 x 379.8mm (3.26 x 3.26 x 14.95in)
Weight	3.5 kg (7lb)

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; Catch the CB certificate; Complies with IEC/EN/UL60950-1
EMC	EN 55022 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.