

DPR 4000B EnergE

Single Phase Rectifier



Delta's technology leading telecom rectifier DPR 4000B EnergE provides the industrial leading efficiency of 95.5%. The single phase, hot pluggable fan cooled rectifier provides the 27.3W/in³ outstanding power density. Integrated with the high efficiency rectifier DPR 4000B EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.



DPR 4000B EnergE



GOAOCO-00-ZL

INPUT

Voltage (nominal)	230V _{AC}
Voltage (range)	80 - 300V _{AC} ; De-rating ≤ 184V _{AC}
Frequency	50 - 60Hz
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	83.3A
Maximum Power @ nominal Input	4000W
Power Density	27.3W/in ³
Peak Efficiency	95.5%
Load Regulation	≤ ± 250mV
Ripple	≤ 100mV
Current Sharing	≤ ± 5%
Lightening Protection	EN 61000-4-5

USER INTERFACE

Alarm and Signaling	CANbus to System Controller		
Indications	OK	Green	Normal Operation
	LED Bar Graph	Yellow	Load Status %
	COM	Green	Communication Status

MECHANICAL

Dimensions (W x H x D)	82.0 x 86.9 x 377.9mm (3.22 x 3.42 x 14.87in)
Weight	3.5kg (1.38lb)

ENVIRONMENTAL

Operating Temperature	-40 to +75 °C (40 to +167 °F) ; De-rating above 55°C (+131 °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	EN 60950; UL, cUL, TUV; CE Compliance
EMC	EN 300 386; EN 55022; CISPR 22
Environment	RoHS
MTBF	1000k hours @ 25 °C (+77 °F)

* All specifications are subject to change without prior notice.