

DPR 2000B EnergE

Single Phase Rectifier



Delta's technology leading telecom rectifier DPR 2000B EnergE provides the industrial leading efficiency of 96%. The single phase, hot pluggable fan cooled rectifier provides the 37.9W/in³ outstanding power density. Integrated with the high efficiency rectifier DPR 2000B EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.



DPR 2000B EnergE



EAAEAG-04-ZL

INPUT

Voltage (nominal)	230V _{AC}
Voltage (range)	90 - 295V _{AC} ; De-rating ≤ 176V _{AC}
Frequency	45 - 66Hz
Power Factor	> 0.99
Total Harmonic Distortion	<3% @ 100% load; <5% @ 50% load; <10% @ 30% load
Lightening Protection	Fuse in Line and Neutral, F 16A Varistor between lines, varistor and gas discharge tube to ground

OUTPUT

Voltage (default)	54.0V _{DC}
Voltage (adjustable range)	43 to 58V _{DC}
Output Current	37A @ default voltage
Maximum Power @ nominal Input	2000W
Power Density	37.9W/in ³
Peak Efficiency	Peak >96% @ 40-50% load
Load Regulation	≤ ± 250mV
Ripple	≤ 150mV
Current Sharing	≤ ± 5%
Protection	Fuse in negative, 50A

USER INTERFACE

Alarm and Signaling	CANbus to System Controller	
Indications	1 LED Light OK/RFA	Green Red Orange

MECHANICAL

Dimensions (W x H x D)	84 x 41 x 265mm (3.30 x 1.61 x 10.43in)
Weight	≈1.04 kg / 2.29 lb

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	CB certificate, CB scheme CE mark/North American IEC 60950-1 UL/cUL 60950-1/ CSA-C22.2
EMC	EN 55022 AC Class B & DC output Class A EN 300 386
Environment	RoHS
MTBF	300K hours@25C (Calculated)

* All specifications are subject to change without prior notice.