

# DPR 6000B EnergE

## Three Phase Rectifier



Delta's technology leading telecom rectifier DPR 6000B EnergE provides the industrial leading efficiency of 96.5%. The three phase, hot pluggable fan cooled rectifier provides the 26.5W/in<sup>3</sup> outstanding power density. Integrated with the high efficiency rectifier DPR 6000B EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.



# DPR 6000B EnergE



GOAQAC-11-ZL

## INPUT

	Standard Voltage	Low Voltage
Line to Line Voltage (nominal)	380V <sub>AC</sub> /400V <sub>AC</sub> /480V <sub>AC</sub>	208V <sub>AC</sub> /220V <sub>AC</sub> /230V <sub>AC</sub>
Line to Line Voltage (range)	250 - 530V <sub>AC</sub> ; De-rating ≤ 320V <sub>AC</sub>	165 - 290V <sub>AC</sub> ; De-rating ≤ 180V <sub>AC</sub>
Frequency	50 - 60Hz	
Power Factor	> 0.99	
Total Harmonic Distortion	< 5%	
Lightening Protection	EN 61000-4-5	

## OUTPUT

Voltage (default)	-53.5V <sub>DC</sub>	
Voltage (adjustable range)	-42 to -58V <sub>DC</sub>	
Maximum Output Current	125A	
Maximum Power @ nominal Input	6000W	
Power Density	26.5W/in <sup>3</sup>	
Peak Efficiency	96.5%	96.2%
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/Red	Normal Operation/Rectifier Shut Down
	COM	Green	Communication Status
	LD	Yellow	Load Status
	STA	Red	OVP; OTP; Fan Failure

## MECHANICAL

Dimensions (W x H x D)	129.0 x 83.0 x 380.6mm (5.07 x 3.26 x 14.98in)
Weight	5.2kg (11.46lb)

## ENVIRONMENTAL

Operating Temperature	-40 to +70 °C (-40 to +158 °F ); De-rating above 55°C
Storage Temperature	-25 to +55 °C (-13 to +131 °F )
Altitude	0 to +4000m
Related Humidity	0 – 95 % RH non-condensing
Acoustic Noise	≤ 55dBA

## STANDARDS

Safety	EN 60950; UL, cUL; 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.