

# DPR 10000B EnergE

## Three Phase Rectifier



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Delta's technology leading telecom rectifier DPR 10000B EnergE provides the industrial leading efficiency of 95.8%. The three phase, hot pluggable fan cooled rectifier provides the 21.4W/in<sup>3</sup> outstanding power density. Integrated with the high efficiency rectifier DPR 10000B EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications



# DPR 10000B EnergE



GOAQAE-08-ZL

## INPUT

Line to Line Voltage (nominal)	220/380/400/480V <sub>AC</sub> , (three phase, 3W+PE)
Line to Line Voltage (range)	185 – 277V <sub>AC</sub> @ Low voltage type 320 – 480V <sub>AC</sub> @ High voltage type
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)	-43 to -58V <sub>DC</sub>
Maximum Output Current	210A
Maximum Power @ nominal Input	10000W
Power Density	21.4W/in <sup>3</sup>
Peak Efficiency	95.8% @ 480V <sub>AC</sub>
Load Regulation	≤ ± 0.5%
Ripple	≤ 100mV
Current Sharing	≤ ± 5%

## USER INTERFACE

Alarm and Signaling	CANbus to System Controller		
Indications	OK	Green	Normal Operation
	RFA	Red	Rectifier Fail
	COM	Green	Communication Status

## MECHANICAL

Dimensions (W x H x D)	210 x 83 x 435mm (8.26 x 3.26 x 17.12in)
Weight	9.3kg (20.5lb)

## ENVIRONMENTAL

Operating Temperature	-25 to +70 °C (-13 to +158 °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 CE, UL cUL certifications; Catch the CB certificate; Complies with IEC/EN/UL60950-1
EMC	EN 55032 Class B EN 300 386
Environment	RoHS
MTBF	300k hours @ 25 °C (+77 °F)

\* All specifications are subject to change without prior notice.