

# DPR 3000E EnergE

## Single Phase Rectifier



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Delta's technology leading telecom rectifier DPR 3000E EnergE provides the industrial leading efficiency of 98.0%. The single phase, hot pluggable fan cooled rectifier provides the 56.8W/in<sup>3</sup> outstanding power density. Integrated with the high efficiency rectifier DPR 3000E EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.



# DPR 3000E EnergE



KOAI09-ZL

## INPUT

Voltage (nominal)	230V <sub>AC</sub>
Voltage (range)	80 - 300V <sub>AC</sub> ; De-rating <180V <sub>AC</sub>
Max. Voltage (non-destructive)	415V <sub>AC</sub> **
Frequency	45 - 66Hz
Power Factor	> 0.99 @ load ≥ 50%
Total Harmonic Distortion	< 5% @ load ≥ 50%
Lightning Protection	EN 61000-4-5

## OUTPUT

Voltage (default)	-54.0V <sub>DC</sub>
Voltage (adjustable range)	-43 to -58V <sub>DC</sub>
Maximum Output Current	63.5A
Maximum Power @ nominal Input	3050W
Power Density	56.8W/in <sup>3</sup>
Peak Efficiency	98.0%
Load Regulation	≤ ± 250mV
Ripple	≤ 200mV @ above 20% load
Current Sharing	≤ ± 5%
Lightening 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)	84 x 41 x 265mm (3.30 x 1.61 x 10.43in)
Weight	1.4kg (3.08lb)

## ENVIRONMENTAL

Operating Temperature	-40 to +75 °C (-40 to +167 °F) ; De-rating above 55°C (+132 °F)
Storage Temperature	-25 to +75 °C (-13 to +167 °F )
Altitude	0 to +4000m
Related Humidity	0 – 95 % RH non-condensing
Acoustic Noise	≤ 50dBA

## STANDARDS

Safety	Passes CE, UL cUL; Catch the CB certificate; Complies with IEC/EN/UL60950-1
EMC	EN 55022 AC Class B and DC output Class A EN 300 386
Environment	RoHS
MTBF	>500k hours @ 25 °C (+77 °F)

\* All specifications are subject to change without prior notice.  
\*\* maximum 10min