

# DPR 1000B EnergE

## Stand-alone Single Phase Rectifier



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With the launch of 5G, mounting the rectifiers along with the telecom system, which is locating at the densely populated area, becomes an inevitable trend as a challenge.

To meet the demand of 5G small cell networks, DPR 1000B is the optimal solution with lightweight structure but heavyweight performance.

As a result of the compact size, DPR 1000B is in varied mounting styles not only for lamppost mount, pole mount but wall mount. Besides of the well flexibility, DPR 1000B has also reached IP65 class and went through the earthquake test (zone4), which makes DPR 1000B well protected and robust enough to against the external force.



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KOAI00-07-ZL

## INPUT

Voltage (nominal)	230V <sub>AC</sub> (single phase, 3 wire)
Voltage (range)	90 - 275V <sub>AC</sub> ; De-rating $\leq$ 200V <sub>AC</sub>
Frequency	45 - 66Hz
Power Factor	> 0.99
Total Harmonic Distortion	< 5% @ 100% load
Lightening Protection	6kV (EN 61000-4-5)
Protection	Internal fuse

## OUTPUT

Voltage (default)	-54.0V <sub>DC</sub>
Voltage (adjustable range)	-42 to -58V <sub>DC</sub>
Output Current	11.10A@100V <sub>AC</sub> ; 12.96A@120V <sub>AC</sub> ; 18.52A@200V <sub>AC</sub>
Maximum Power @ nominal Input	600W@100V <sub>AC</sub> ; 700W@120V <sub>AC</sub> ; 1000W@200V <sub>AC</sub>
Peak Efficiency	96.0% @ 230V <sub>AC</sub>
Load Regulation	$\leq \pm 250$ mV
Ripple	$\leq 250$ mV
Current Sharing	$\leq \pm 5$ %
Over Voltage Protection	59V $\pm 1$
Load Sharing	YES
Protection	Internal fuse

## USER INTERFACE

Alarm and Signaling	CANbus to System Controller		
Indications	OK/RFA	Green Red	Rectifier Normal Rectifier Fault

## MECHANICAL

Dimensions (W x H x D)	209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body)		
Weight	6.4kg (14.1lbs)		
Mount	Pad mount, Wall mount, Pole mount		
Construction	Aluminium		
Finish	Powder coating		
Connector	AC input	Amphenol PWC-03RMMS-LC7002 x1	
	DC output	Amphenol PWC-03RMFS-LC7002 x2	
	Alarm	Amphenol CD-09RMFS-LC7001 x1	

## ENVIRONMENTAL

Operating Temperature	-40 to +60 °C (-40 to +140 °F); De-rating above 46°C (+114 °F); (GR-487)
Storage Temperature	-25 to +70 °C (40 to +158 °F)
Altitude	0 to +3000m
Related Humidity	0 – 95 % RH non-condensing
Acoustic Noise	$\leq 40$ dBA
Protection Class	IP65 (EN 60529)
Cooling	Natural cooling

## STANDARDS

EMC	VCCI, EN55032, CISPR22
Environment	RoHS
MTBF	300k hours @ 25 °C (+77 °F)

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