

# DPR 2000B EnergE

## Stand-alone Single Phase Rectifier



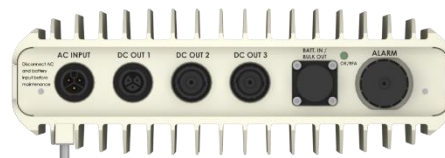
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The stand-alone DC power supply consisted of rectifier, one AC input, three DC outputs, one battery interface, one alarm port and Led indicator. The stand-alone DC power supply has a variety of mount type, includes pad mount, wall mount and pole mount.

The rectifier requires a nominal input of  $100V_{AC}$  -  $240V_{AC}$  and provides an output of  $-54V_{DC}$  to power the load of communication equipment.



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EACCC09-ZL

## INPUT

Voltage (nominal)	240V <sub>AC</sub> (single phase, 3 wire)
Voltage (range)	90 - 275V <sub>AC</sub> ; De-rating $\leq$ 200V <sub>AC</sub>
Frequency	50 - 60Hz
Power Factor	> 0.99
Total Harmonic Distortion	< 5% @ 100% load
Lightening Protection	6kV (EN 61000-4-5)
Protection	Internal fuse x2

## OUTPUT

Voltage (default)	-54.0V <sub>DC</sub>
Voltage (adjustable range)	-43 to -58V <sub>DC</sub>
Output Current	20.37A@100V <sub>AC</sub> ; 22.22A@110V <sub>AC</sub> ; 24.07A@120V <sub>AC</sub> ; 37.03A@200V <sub>AC</sub> ; 37.03A@240V <sub>AC</sub>
Maximum Power @ nominal Input	1100W@100V <sub>AC</sub> ; 1200W@110V <sub>AC</sub> ; 1300W@120V <sub>AC</sub> ; 2000W@200V <sub>AC</sub> ; 2000W@240V <sub>AC</sub>
Peak Efficiency	95.5% @ 120V <sub>AC</sub> ; 97.0% @ 230V <sub>AC</sub>
Load Regulation	$\leq \pm$ 250mV
Ripple	$\leq$ 200mV
Current Sharing	$\leq \pm$ 5%
Over voltage protection	59.5V
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)	286.4 x 393.6 x 94.6mm (11.3 x 15.5 x 3.7in) (body)
Weight	9kg (19.8lbs) (breaker excluded)
Mount	Pad mount, Wall mount, Pole mount
Construction	Aluminium
Finish	Powder coating
Input / Output Connector	AC input, DC output, Battery, Alarm

## ENVIRONMENTAL

Operating Temperature	with solar load: -40 to +65 °C (-40 to +149 °F); De-rating above 46 °C (+115 °F); (GR-487) without solar load: -40 to +65 °C (-40 to +149 °F); De-rating above 55 °C (+131 °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	$\leq$ 40dBA
Protection Class	IP65 (EN 60529)
Cooling	Natural cooling

## STANDARDS

Safety	UL 60950 Listed
EMC	VCCI, EN55032, CISPR22
Environment	RoHS
MTBF	300k hours @ 25 °C

\* The product does not include mounting kit or cable. If you need them, please discuss your application with sale before you order.

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

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