

DPR 2000B EnergE

Stand-alone Single Phase Rectifier

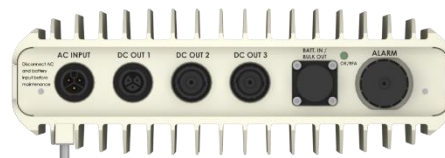


The stand-alone DC power supply consisted of rectifier, one AC cable, three DC cables, one battery cable, one alarm cable and Led indicator. The stand-alone DC power supply has a variety of mount type, includes pad mount, wall mount and pole mount.

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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KOAIAG-07-ZL

INPUT

Voltage (nominal)	240V _{AC} (single phase, 3 wire)
Voltage (range)	90 - 275V _{AC} ; De-rating ≤ 200V _{AC}
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 _{DC}
Voltage (adjustable range)	-42 to -58V _{DC}
Output Current	20.37A@100V _{AC} ; 22.22A@110V _{AC} ; 24.07A@120V _{AC} ; 37.03A@200V _{AC} ; 37.03A@240V _{AC}
Maximum Power @ nominal Input	1100W@100V _{AC} ; 1200W@110V _{AC} ; 1300W@120V _{AC} ; 2000W@200V _{AC} ; 2000W@240V _{AC}
Peak Efficiency	95.5% @ 120V _{AC} ; 97.0% @ 230V _{AC}
Load Regulation	≤ ± 250mV
Ripple	≤ 250mV
Current Sharing	≤ ± 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		
Connector	AC input	PWC-03RMMS-LC7002 x1	82TWC3FMCP0_3 x1
	DC output	PWC-03RMFS-LC7002 x3	82TWC3FMCP0_4 x3
	Battery	TM-11D-02P x1	82TWH2FMCP0_1 x1
	Alarm	TM-11D-DD18P x1	82TWD18FMCP_1 x1

ENVIRONMENTAL

Operating Temperature	-40 to +55 °C (-40 to +131 °F); De-rating above 55°C (+131 °F); (GR-487)
Storage Temperature	with solar load: -40 to +46 °C (-40 to +115 °F); without solar load: -40 to +55 °C (-40 to +131 °F)
Altitude	0 to +3000m
Related Humidity	0 – 95 % RH non-condensing
Acoustic Noise	≤ 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

* All specifications are subject to change without prior notice.