

DPR 1000B EnergE

Stand-alone Single Phase Rectifier



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.



DPR 1000B EnergE



KOASEA-08-ZL

INPUT

| | |
|---------------------------|---|
| Voltage (nominal) | 230V _{AC} (single phase, 3 wire) |
| Voltage (range) | 90 - 275V _{AC} ; De-rating \leq 200V _{AC} |
| 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 _{DC} |
| Voltage (adjustable range) | -42 to -58V _{DC} |
| Output Current | 11.10A@100V _{AC} ; 12.96A@120V _{AC} ; 18.52A@200V _{AC} |
| Maximum Power @ nominal Input | 600W@100V _{AC} ; 700W@120V _{AC} ; 1000W@200V _{AC} |
| Peak Efficiency | 96.0% @ 230V _{AC} |
| Load Regulation | $\leq \pm$ 250mV |
| Ripple | \leq 250mV |
| 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 +65 °C (-40 to +149 °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 40dBA |
| 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.

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