



DPR 3000 EnergyE

Single Phase Rectifier

Product Feature

- Energy saving – leading edge efficiency 98%
- Advanced energy saving functionality
- Outstanding power density 56.8W/in³
- Low carbon emissions
- Space saving – leading edge power density up to 15kW in 19" x 1U shelf
- Space saving – leading edge power density up to 18kW in 23" x 1U shelf
- Wide AC input voltage range
- Protection against loss of Neutral and AC over voltage

Specifications

| Model | DPR 3000E-48 ID:D1 |
|--------------------------------|---|
| 1. Input | |
| Mains voltage | 80 - 300 V _{RMS} |
| Mains frequency | 50 / 60 Hz |
| Harmonic distortion (THD) | ≤ 5 % @ loads ≥ 50 % |
| EMI (conducted) | EN 55022, class B |
| Protection | Internal fuse 2 x 20 A |
| AC over voltage protection | Incl. loss of neutral |
| 2. Output | |
| Nominal system voltage | 54.0 V _{DC} |
| Operating voltage range | 40.0 – 58.0 V _{DC} |
| Power limitation | 3000W |
| Current limitation | 63.5 A |
| Over voltage protection | 58.5 V |
| EMI (conducted) | EN 55022, class A |
| Load sharing | Yes |
| Protection | Internal fuse |
| 3. General | |
| Efficiency | 98% |
| Power density | 56.8 W/in ³ |
| Communication Interface | CAN bus |
| Control and monitoring | ORION / CSU502 controller |
| User interface | Status indication |
| Cooling | Fan cooled |
| Acoustics | 55 dB (A) |
| Dimensions (W x H x D) | 84 x 41 x 270mm (3.3 x 1.6 x 10.6 in) |
| Weight | 1.4 kg (3.0 lb) |
| Operating temperature | -40 to +75 °C (-40 to +167 °F) |
| Relative humidity | 95%, non-condensing (Max.) |
| 4. Standards | |
| Safety | EN / IEC 60950 UL 60950 CAN / CSA - C22.2 |
| EMI (radiated) | EN 55022, class B |
| Environment | RoHS compliant |
| Protection class | IP20 (EN 60529) |
| 5. Ordering information | |
| Part number | TPS1010027A |

*All specifications are subject to change without prior notice.

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