



DPR 2900 EnergE > Single Phase Rectifier

Product Feature

- OPEX & energy saving – leading efficiency 96.4 %
- OPEX saving – extended temperature range
- Space saving – world's leading packaging of high efficiency technology – up to 11.6 kW in 1U shelf
- Power density 36.5 W/in³
- Easy retrofit to existing DPR 2700 Series installations
- Integrated AC over voltage protection

Specifications

| Model | DPR 2900B-48 | DPR 2900C-48 |
|--------------------------------|---|------------------------------|
| 1. Input | | |
| Mains voltage | 80 - 310 V _{RMS} | |
| Mains frequency | 50 / 60 Hz | |
| Harmonic distortion (THD) | 5 % | |
| EMI (conducted) | EN 55022, class B | |
| Protection | Internal fuse 20 A | |
| AC over voltage protection | Incl. loss of neutral | |
| 2. Output | | |
| Nominal system voltage | 54.0 V | |
| Operating voltage range | 40 – 58 V | |
| Power limitation | 2900 W | |
| Current limitation | 56.25 A | |
| Over voltage protection | 59.0 V | |
| EMI (conducted) | EN 55022, class A | |
| Load sharing | Yes | |
| Protection | Internal fuse | |
| 3. General | | |
| Efficiency | 96.4 % | |
| Power density | 36.5 W/in ³ | |
| Communication Interface | CAN bus | RS-485 |
| Control and monitoring | ORION / CSU502 controller | CSU 501 / CSU 502 controller |
| User interface | Status indication | |
| Dimensions (W x H x D) | 125.5 x 41.0 x 269.9 mm (4.9 x 1.6 x 10.6 in) | |
| Weight | 2.0 kg (4.4 lb) | |
| 4. Standards | | |
| Safety | EN / IEC 60950 UL 60950 CAN / CSA - C22.2 | |
| EMI (radiated) | EN 55022, class B | |
| Environment | RoHS compliant | |
| Cooling | Fan cooled | |
| Acoustics | 55 dB (A) | |
| Operating temperature | -40 to +75 °C (-40 to +167 °F) | |
| 5. Ordering information | | |
| Part number | ESR-48/56B F | ESR-48/56B A |

*All specifications are subject to change without prior notice.

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