

MPR2048FP (2000W, 48Vout, 5.1V Std-by)



Features

- Size 368.3 mm x 101.6 mm x 40.64 mm (14.5 in x 4.0 in x 1.6 in)
- Universal AC Input Range (90 – 264VAC)
- Output voltage of 48V (± 50mv tolerance)
- Stand-by voltage of 5.1V @ 2A
- Maximum HL output current of 41.7A/230VAC/2000W
- Maximum LL output current 25.0A/110VAC/1200W
- Rear In/Out: Positronic Connector
- 91% Efficiency at 240VAC Full Load
- Full load: 0°C to 55°C
- Supports Hot swap with internal OR-ing MOSFETs
- Active Current sharing
- Short circuit current protection
- Output over voltage protection
- Input under voltage protection
- 20ms of holdup time
- I2C Communication
- Radiated and Conducted EMI - meets CISPR22 (EN55022) Class A requirements
- Compliant to RoHS EU Directive 2002/95/EC
- UL* approved to UL/CSA60950-1, TUV (EN60950-1), CE Mark and CB Report available
- ISO** 9001 and ISO 14001 certified manufacturing facilities

Applications

- Wireless access points
- Security surveillance
- Telecommunications equipment

Description

CAR2048FP is a 48Vdc dual-output AC-DC front end power supply that delivers greater than 90 percent power efficiency at full load output of 1200W at +55°C. Higher temperature operation is possible at derated output. CAR2048FP supports active current sharing and also hot swap. The design is catered to Telecom applications that require robust operation with good isolation, EMI/ESD immunity, various protection features (over voltage protection, short circuit protection and input under voltage protection) and safety approvals.

* UL is a registered trademark of Underwriters Laboratories, Inc.

† CSA is a registered trademark of Canadian Standards Association.

‡ VDE is a trademark of Verband Deutscher Elektrotechniker e.V.

** ISO is a registered trademark of the International Organization of Standards



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Additional Information

Please contact your GE Critical Power Sales Representative for pricing, availability and optional features.

Table 1. Device Codes

| Device Code | Input Voltage Range | Output Voltage | Output Current | Air flow direction | Temperature Range |
|------------------|---------------------|----------------|----------------|-------------------------------|-------------------|
| CAR2048FPXXXZ01A | 90 – 264Vac | 48Vdc | 41.7 | Front Bezel to Rear Connector | 0C to 55C |

Contact Us

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