

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



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

For more information, call us at

USA/Canada:

+1 877 546 3243

Asia-Pacific:

+86.021.54279977*808

Europe, Middle-East and Africa:

+49.89.878067-280

India:

+91.80.28411633

www.gecriticalpower.com

