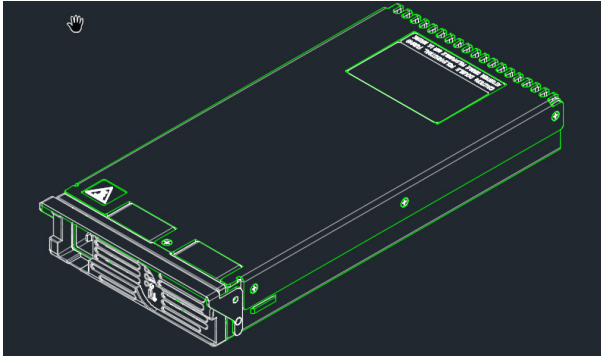


MPR1848FP (1800W, 48V<sub>out</sub>)

### Applications

- Telecommunications equipment
- Wireless access points
- Security surveillance

### Features

- Size 297.43 mm x 141.22 mm x 40.6 mm (11.71 in x 5.56 in x 1.6 in)
- Universal AC Input Range (90 – 264VAC)
- Output voltage of 48V ( $\pm 240$ mv tolerance)
- Output voltage range: 45.5V to 49.9V
- Maximum output current of 37.5A@ 48V<sub>out</sub> (1800W)
- 94% Platinum Efficiency at 220VAC
- Supports Forced air cooling with external blower
- Full load: 0°C to 50°C
- AC Input Connection: IEC connector
- DC Output connection: FCI Connector
- Air flow: From Front AC input side to Rear Connector
- Remote ON/OFF, Ishare Current Sharing
- Output over voltage protection
- Input under voltage protection
- Over Temperature protection
- 20ms of holdup time
- Hi-Pot Isolation: Input to Output: 3KV
- Surge protection: Diff mode +-1KV, Common: +-2KV
- AC Leakage Current < 3.5ma at 264Vac
- 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 available
- ISO\*\* 9001 and ISO 14001 certified manufacturing facilities

\* 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

### Description

MPR1848FP is a 48Vdc single-output AC-DC front end power supply that delivers 94 percent power efficiency output of 1800W at 50°C. Higher temperature operation is possible at derated output. MPR1848FP supports forced air cooling with internal fans for effective cooling of the power supply. The design is catered to Telecom 48V applications that require robust operation with good isolation, EMI/ESD immunity, various protection features (over voltage protection and over temperature protection) and safety approvals.



## 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
MPR1848FPXXXZ01A	90 – 264Vac	48.0Vdc	37.5A	From Bezel to Rear	0C to 50C

## Contact Us

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