



12V 1200W 1U AC-DC FRONT END POWER SUPPLY

Model FE1200SP

Product Feature

- ◆ 1U Side Mount
- ◆ Hot Swap N+1 Redundancy
- ◆ Active Current Sharing (Single Wire)
- ◆ I²C Serial Bus and PSMI Compliant
- ◆ LED Indicators on Front Panel
- ◆ Over Voltage, Over current and Under Voltage Protection
- ◆ Over Temperature Protection
- ◆ Remote Sense
- ◆ Power Factor & Harmonic Corrected
- ◆ UL60950-1, CSA60950-1, IEC60950-1 and EN60950-2
- ◆ RoHS Compliant
- ◆ Front Panel AC Access via IEC60320 C14 Inlet
- ◆ MTBF 500,000 hours



Key Market Segments & Applications

Networking Equipment

Input Characteristics

Input Voltage Range	90 - 264VAC
Input Frequency	47 - 63Hz
Inrush Current limitation	Inrush current < 30A
Efficiency	92% typical at 230 VAC at 50% load
Power Factor	More than 99% typical at 230 VAC at 100% load
Input leakage current	Input leakage current < 0.75mA (measured at 240VAC)
Hold up time	20ms at 100% Load

Output Characteristics

Output Channel	V1	V2 (12VSB)
Output Configuration	12.0V	12.0V
Output current	100A	0.5A
Ripple & Noise	250mVp-p	120mVp-p
Current Limit Protection	110% - 150% of rated current	100% - 150% of rated current
Over Voltage Protection	14.4 - 16.8V	120% - 150% of rated voltage
Under Voltage Protection	3.6 - 9.6V	-
Output Power	1200W	

Environmental

Operating Temperature	0°C to 50°C
Relative humidity	5 to 95%

Safety

Safety Approvals	IEC60950-1, UL 60950-1, CSA 60950-1, EN60950-2
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EMC

EMI	VCCI CLASS B
Harmonic Distortion	EN61000-3-2

Physical Specifications

Dimension	101.2mm (3.98") x 435.9mm (17.16") x 40.8mm (1.61")
Weight	2.6kg
Input Connector	Power Inlet IEC60320 C-14
Output Connector	Power Blade 51730-111 (Non-RoHS)/51730-111LF (RoHS)