



48V 2200W 1U AC-DC FRONT END POWER SUPPLY

Model FH2200UAD

Product Feature

- ◆ Up to 24.4W/Inch³ Power Density
- ◆ 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 ON/OFF, Remote Sense
- ◆ Power Factor & Harmonic Corrected
- ◆ UL60950-1, CSA60950-1, IEC60950-1 and EN60950-1 2nd
- ◆ 6-RoHS Compliant
- ◆ MTBF 500,000 hours



Input Characteristics

Input Voltage Range	Low line: 90-132VAC: High line: 180 - 264VAC
Input Frequency	47 - 63Hz
Inrush Current limitation	Inrush current < 35A
Efficiency	94% typical at 230 VAC at 50% load
Power Factor	More than 95% typical at 230 VAC at 100% load
Input leakage current	Input leakage current < 0.75mA (measured at 240VAC)
Hold up time	20ms at 67% Load
Input Protection	Single fused (Line) 20A/250VAC

Output Characteristics

Output Channel	V1(+48VDC)	V2(+12V AUX)
Output Configuration	48V	12.50V
Output current	90V-132V	25A
	180V-264V	2A
Voltage Regulation	-3/+3%	-5/+5%
Ripple & Noise	480mVp-p	240mVp-p
Current Limit Protection	110%-150%	100-150%
Over Voltage Protection	56 - 63V	-
Under Voltage Protection	14.4 - 38.4V	7.0V
Output Power	100-120V	1200W
	200-240V	2200W

Environmental

Operating Temperature	48V @ 2200W : 0 to 35°C degree
	48V @ 2000W : 0 to 50°C degree
Relative humidity	20 to 85%

Safety

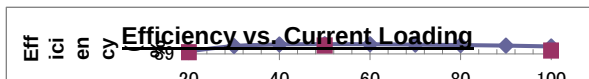
Safety Approvals	IEC60950-1, UL 60950-1, CSA 60950-1, EN60950-1
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EMC

EMI	VCCI CLASS A, Margin 6db
Harmonic Distortion	EN61000-3-2

Physical Specifications

Dimension	14" x 4" x 1.61" (355.6mm x 101.6mm x 41mm)
Weight	3.5kg /7.7lb
Input/Output Connector	Power Blade (FCI) 51939-030 or equivalent



Current Loading (%)	Efficiency (%)	80 Plus Platinum (%)
0	0.00	