

750 WATT SINGLE OUTPUT ENCLOSED TYPE AC-DC POWER SUPPLY WITH PFC



Features

- 1U Low Profile, High Power Density
- Universal Input: 90~264Vac
- Active PFC Meets EN61000-3-2
- Meets CISPR/FCC Class B
- High Efficiency at 91% Typical
- Remote Voltage Sense
- PS ON/OFF Remote Control
- +5V Stand-by Output Power
- Fan Speed Control with Temperature
- Active Current Sharing
- I²C bus Interface

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT (A)		RIPPLE & NOISE	VOLTAGE ADJ. RANGE	VOLTAGE ACCURACY	LINE REG. ³	LOAD REG. ⁴	EFFICIENCY (TYPICAL)
		RATED	MIN.						
Main Output Voltage									
CFM750E-240	+24V	31.2	0	200mVp-p	22.8 ~ 26.4V	± 2.0%	± 0.5%	± 1%	89%
CFM750E-360	+36V	20.8	0	240mVp-p	34.2 ~ 39.6V	± 2.0%	± 0.5%	± 1%	91%
CFM750E-480	+48V	15.6	0	240mVp-p	45.6 ~ 52.8V	± 2.0%	± 0.5%	± 1%	92%
Standby Output Voltage									
All	+5.0V	1.0	0	100mVp-p		± 2.0%	—	—	

Specifications

INPUT SPECIFICATIONS:

AC Input Voltage.....90 ~ 264Vac
 Frequency47 to 63Hz
 Inrush Current 40A max. @230Vac
 EMI CISPR/FCC Class B
 Isolation Input to output = 4242VDC
 Leakage Current/240Vac3.5mA max.

OUTPUT SPECIFICATIONS:

Total Rated Output Power.....750W
 Remote Voltage Sense.....Compensates for wire Voltage drop
 Adjustment Range on Vout.....+10%, -5%
 Hold-up Time20mS typ.
 Over Voltage ProtectionRecycle AC input to restart
 Over Temperature ProtectionAuto Recovery
 Short Circuit Protection..... Auto Recovery

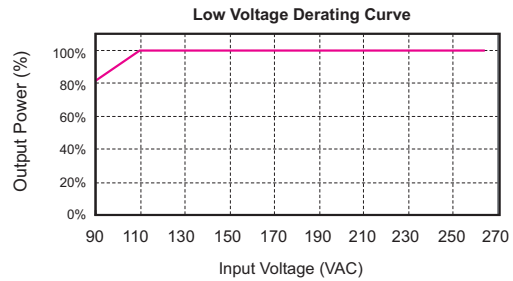
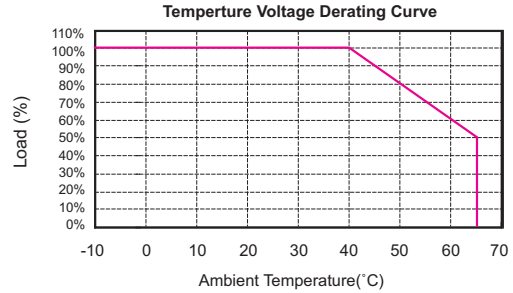
ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature-10 ~ 65°C
 40~65°C with 2.5%/°C Derating
 PSU will be in thermal protection for exceeding the rated power output
 or the operating temperature
 Storage Temperature-40 ~ 85°C

MECHANICAL CHARACTERISTICS:

Dimensions11.02x4.00x1.65Inches (280.0x101.6x41.9mm)

CFM750E Series Derating Curve

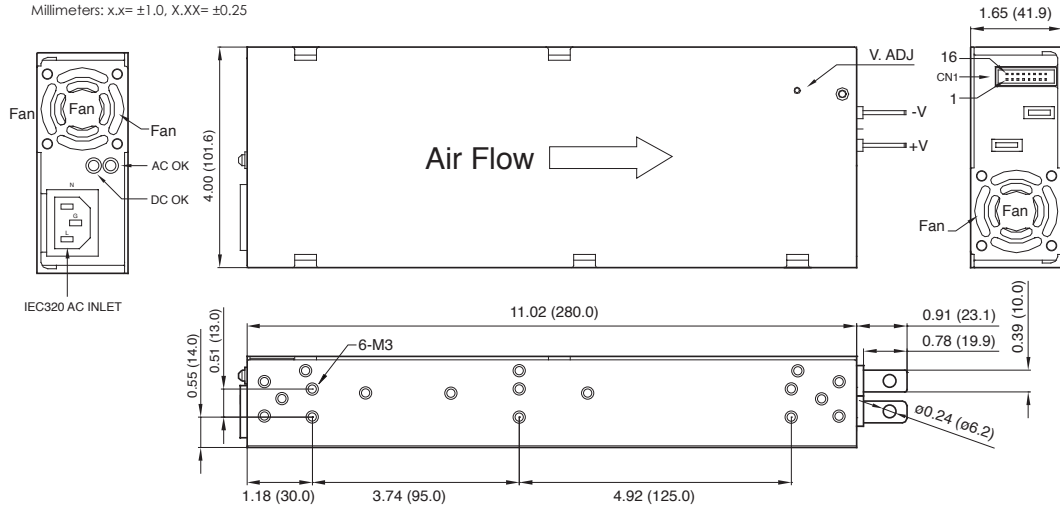


NOTE:

- 1: Add a 0.1uF ceramic capacitor and a 47uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
- 2: Voltage accuracy is set at 60% rated load and 25°C Ta.
- 3: Line regulation is measured from High Line to Low Line with rated load.
- 4: Load regulation is measured at 60% ± 40% rated load.

Mechanical Specification

All Dimensions In Inches(mm)
 Tolerance Inches: x.xx= ±0.04, X.XXX= ±0.010
 Millimeters: x.x= ±1.0, X.XX= ±0.25



CN1: Molex70247-16 or Equivalent
 PIN: CONNECTION

16	+SENSE	15	I_SHARE	14	+5VSB	13	DC_OK	12	V_TRIM	11	GND	10	I ² C-SDA	9	ON/OFF
1	-SENSE	2	AC_OK	3	+5VSB	4	I ² C-A0	5	OTPW	6	GND	7	I ² C-SCL	8	I ² C-A1