

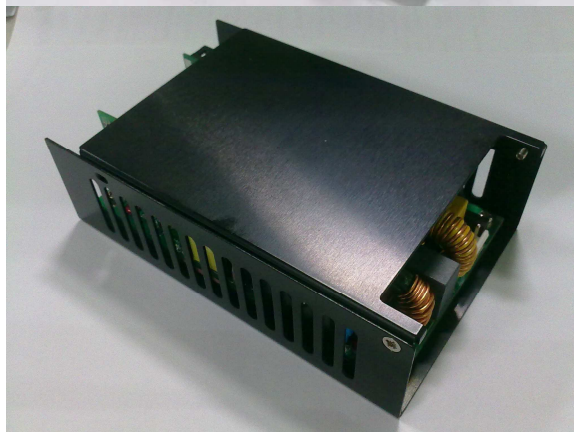


CFM361S SERIES

360 WATT AC-DC POWER SUPPLY WITH PFC

Features

- * Universal Input Range 90~264Vac
- * 3"x 5" Compact Size/CFM361S
- * 300W with natural convection @ 220Vac/CFM361S
- * 360W with natural convection @ 220Vac/CFM361SXXXC
- * 360W with baseplate cooled -20~85°C/CFM361SXXXC
- * Meets EN60950 and EN55022 Class B
- * Active PFC Meets EN61000-3-2 Class D
- * High Efficiency Up to 93.5% Typical
- * High Power Density Up to 15W/Inch³/CFM361S
- * Remote Voltage Sense
- * PS ON/OFF Remote Control
- * +5V Stand-by Output Power
- * 12V fan output



MODEL	VOLTAGE OUTPUT	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE ADJ.RANGE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	%EFF. (Typ.)
Main Output Voltage								
CFM361S120	+12V	29.6A	120mVp-p	11.4~12.6V	±1.0%	±0.5%	±1%	92.5%
CFM361S240	+24V	14.8A	150mVp-p	22.8~25.2V	±1.0%	±0.5%	±1%	93.5%
CFM361S480	+48V	7.4A	150mVp-p	45.6~50.4V	±1.0%	±0.5%	±1%	93.5%
Stand-by Output Voltage								
All	+5.0V	0.5	----		----	----	----	
Fan Output Voltage								
All	+12.0V	0.3	----		----	----	----	

Specifications

INPUT SPECIFICATIONS:

AC Input Voltage 90~264Vac
 Frequency 47 to 63Hz
 Inrush Current 50A max. @240Vac
 Leakage Current @ 264Vac 3.5mA max.

OUTPUT SPECIFICATIONS:

Total Rated Output Power 360W
 Remote Voltage Sense Compensates for wire Voltage drop
 Adjustment Range on Vout $\pm 5\%$
 Hold-up Time 12ms typ.
 Over Voltage Protection Recycle AC input to restart
 Short Circuit Protection Hiccup mode(Auto Recovery)
 Over Temperature Protection Auto Recovery
 Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$

SAFETY AND EMC:

Emission and Immunity EN55022 Class B, FCC Part 15 Class B
 EN61000-6-3, EN61000-3-2, EN61000-3-3
 EN55024, EN61000-6-1, EN61204-3
 Safety IEC60950-1, EN60950-1, UL60950-1

GENERAL SPECIFICATIONS:

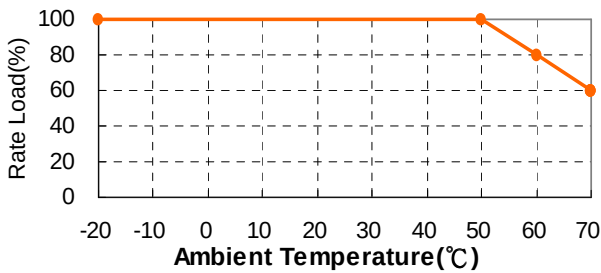
Isolation Input to output = 4242VDC
 Operating Temperature see Derating Curve
 Storage Temperature $-40\sim 85^{\circ}\text{C}$
 Humidity 93% RH max. Non condensing
 Switching Frequency 55~60KHz Typical
 MTBF MIL-HDBK-217F, GB, $25^{\circ}\text{C}/115\text{VAC}$ TBD
 Altitude 2000m
 Dimensions :
 Open frame versions...5.000x3.000x1.598 Inches(127.00x76.20x40.60mm)
 Covered versions5.391x3.425x1.697 Inches(136.94x87.00x43.10mm)
 Weight :
 Open frame versions.....470g(1.04Pounds)
 Covered versions.....550g(1.21Pounds)

NOTE:

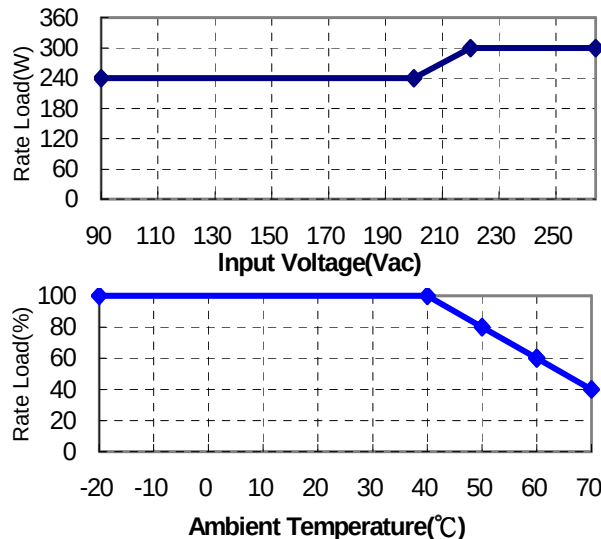
1. Add a 0.1uF ceramic capacitor and a 47uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Voltage accuracy is set at 60% rated load and 25°C .Ta.
3. Line regulation is measured from High Line to Low Line with rated load.
4. Load regulation is measured at 60% $\pm$ 40% rated.
5. Power dissipation (Pd): $P_d = P_i - P_o = P_o(1-\eta)/\eta$

CFM361S Series Derating Curve

360W With 10CFM Air Flow

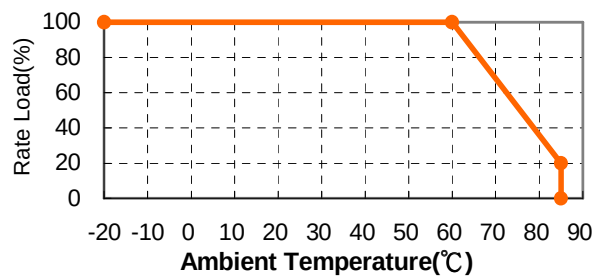


360W With Natural Convection

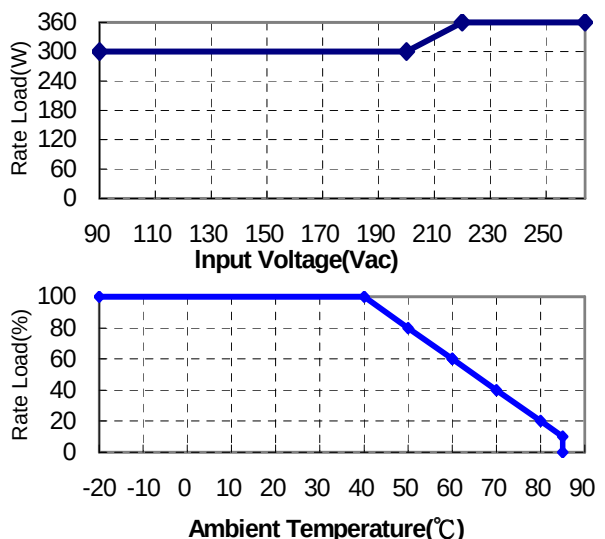


CFM361SXXXC Series Derating Curve

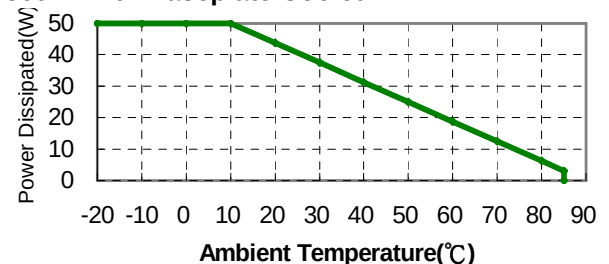
360W With 10CFM Air Flow



360W With Natural Convection



360W With Baseplate Cooled



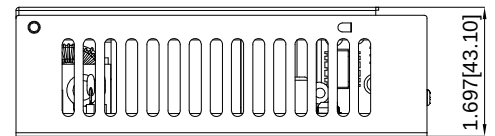
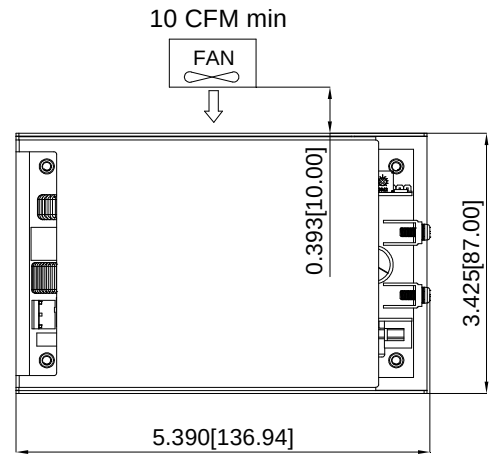
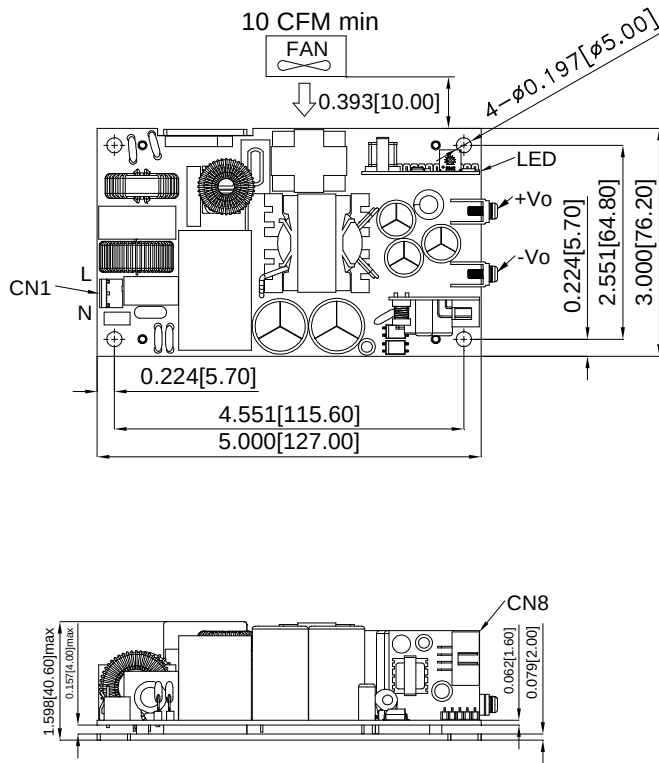
CFM361S Series

CFM361SXXXC Series

All Dimensions in inches[mm]

Tolerances : Inches : x.xxx=±0.02

Millimeters : x.xx=±0.5



CN8:

PINCONNECTION

PIN	FUNCTION	PIN	FUNCTION
1	+SENSE	8	-SENSE
2	GND	7	ENABLE
3	GND	6	+5VBS
4	FAN output-	5	FAN output+

Note: Pull down Enable to activate PSU

Typical at 25 °C, 230Vac and 60% rated load, unless otherwise Specified

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cincon:

[CFM361S120](#) [CFM361S240](#) [CFM361S480](#) [CFM361S120C](#) [CFM361S240C](#) [CFM361S480C](#)