

# CFM100

100 WATT OPEN FRAME  
AC-DC MODULES WITH PFC



MODEL	OUTPUT VOLTAGE	MAX. LOAD	IN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
CFM100S050	5 V	20 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S090	9 V	11.2 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S120	12 V	8.4 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S150	15 V	6.7 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S180	18 V	5.6 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S240	24 V	4.2 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S480	48 V	2.1 A	0A	1%	± 1%	± 0.5%	± 1%

**NOTE:**

1. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Line regulation is measured from High Line to Low Line with full load.
3. Load regulation is measured from Full to 10% load.
4. Dimensions tolerance : +/- 1mm
5. Connectors: AC Input : Molex 5277 or equivalent  
DC output : Molex 5273 or equivalent
6. DC output pin 1,2,3,4 : Vout ( + )  
DC output pin 5,6,7,8 : Vout ( - )

## Features

- Universal Input : 90 ~ 264Vac
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency at 85% Typical

## Specifications

**INPUT CHARACTERISTICS:**

Voltage ..... 90 ~ 264Vac  
 Frequency ..... 47 to 63Hz  
 Inrush Current ..... 50A Max. @ 264Vac  
 Conducted EMI ..... CISPR/FCC Class B  
 Isolation ..... Input to output -4,242Vdc  
 Leakage Current..... 1.5mA max.

**ENVIRONMENTAL CHARACTERISTICS:**

Operating Temperature ..... 0 ~ 40°C  
 Storage Temperature ..... -20 ~ 85°C

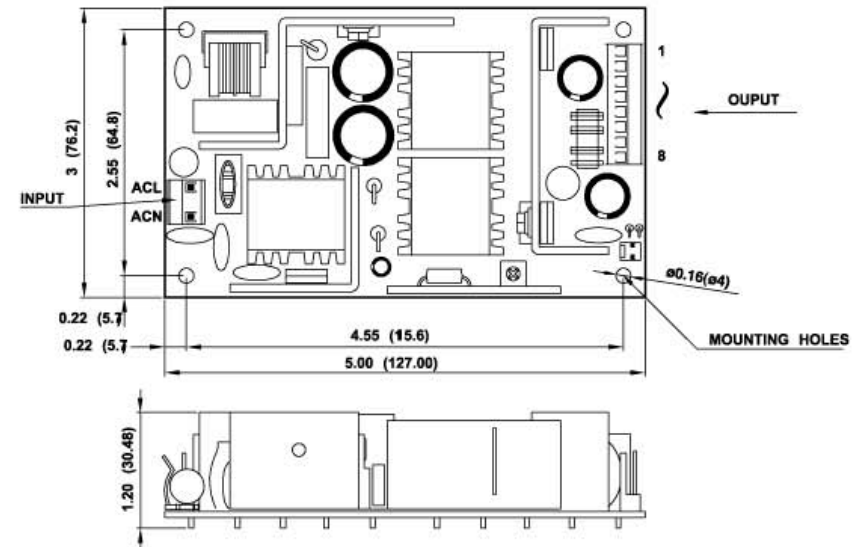
**OUTPUT CHARACTERISTICS:**

Holdup Time ..... 8mS typ. @ 115Vac  
 Short Circuit Protection ..... Continuous  
 Over Voltage Protection ..... Auto Recovery

**MECHANICAL OUTLINE:**

Dimensions ..... 127 x 76.2 x 32.4 mm<sup>3</sup>

## Mechanical Specification



Typical at 25°C, nominal line and 75% load, unless otherwise Specified



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