AC-DC Converters

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CFM100 Series
100 Watt Open Frame
Single Output

Features

- Universal Input 90-264 VAC
- Conductive EMI Meets CISPR/FCC Class B
- High Efficency at 85% Typical
- Active Power Factor Correction Merits EN61000-3-2

Electrical Specification

INPUT	
Input voltage	90 - 264 VAC
Input frequency	47 to 63 Hz
Inrush Current	50A Max. @ 230VAC
Conducted EMI	CISPR/FCC Class B
Isolation	Input to output = 4,242VDC
Leakage Current	3.5mA max.
OUTPUT	
Hold-up Time	20mS typ. @115VAC
Short Circuit Protection	Continuous
Over Voltage Protection	Auto Recovery
ENVIRONMENTAL	
Operating Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 85°C
MECHANICAL	
Dimensions	127 x 76.2 x 34 mm
Safety	UL, cUL, EN60950 Approvals

Typical @ 25°C, nominal line and 75% load, unless otherwise specified

Powersolve Electronics Ltd. Units 8A, Arnhem Road, Newbury, RG14 5RU. England
Tel:01635 521858 Fax: 01635 523771 Email: sales@powersolve.co.uk

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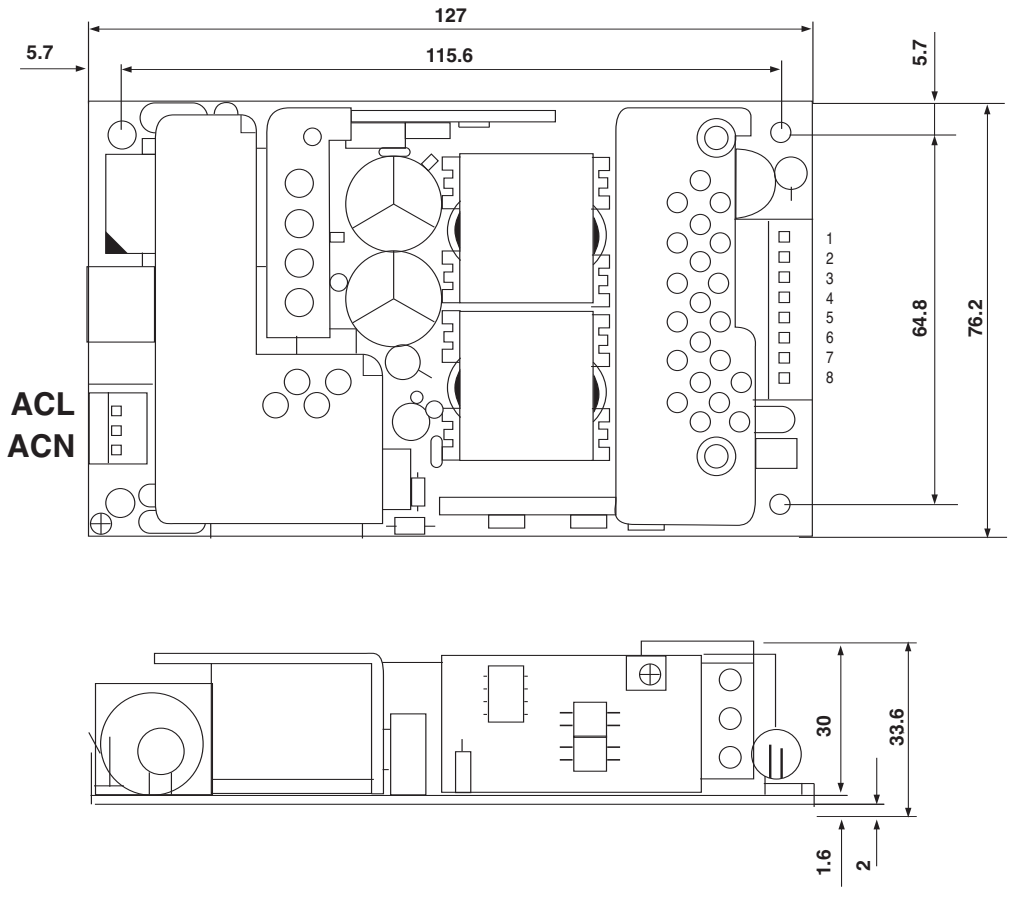
MODEL	OUTPUT VOLTAGE	MAX LOAD	MIN LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
CFM100S050	5V	20 A	0A	1%	±1%	±0.5%	±1%
CFM100S090	9V	11.2 A	0A	1%	±1%	±0.5%	±1%
CFM100S120	12V	8.4 A	0A	1%	±1%	±0.5%	±1%
CFM100S150	15V	6.7 A	0A	1%	±1%	±0.5%	±1%
CFM100S180	18V	5.6 A	0A	1%	±1%	±0.5%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

Note:

1. CFM100S05/090/120: Add a 0.1 µF ceramic capacitor and a 220 µF E.L. capacitor to output for ripple & noise measuring @ 20MHz BW. Other Models: Add a 0.1 µF ceramic capacitor and a 10 µF E.L capacitor 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 (-)



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