

AC-DC Converters

**POWER
SOLVE**

www.powersolve.co.uk

CFM40/60 Series 40/60 Watt Single Output



Features

- Universal Input 90-264 Vac
- High Efficiency at 88% Typical
- Conductive EMI Meets CISPR/FCC Class B



Electrical Specification

INPUT

Input voltage	90 - 264 VAC
Input frequency	47 to 63 Hz
Inrush Current	50A max. @ 264Vac
Conducted EMI	CISPR/FCC Class B
Isolation	Input to output = 4,242Vdc
Leakage Current	3.5mA max.

OUTPUT

Hold-up Time	8mS typ. @115Vac
Short Circuit Protection	Continuous
Temperature Coefficient	$\pm 0.05^{\circ}\text{C}$

ENVIRONMENTAL

Operating Temperature	0 ~ 50°C
Storage Temperature	-20 ~ 85°C
Cooling	Free Air Convection

MECHANICAL CHARACTERISTICS

Dimensions	101.6 x 50.8 x 30.48 mm
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Typical @ 25°C, nominal line and 75% load, unless otherwise specified

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AC-DC Converters

40 Watt Series

MODEL	OUTPUT VOLTAGE	MAX LOAD	MIN LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	EFF %
CFM40S033	3.3V	6A	0A	50mV	±1%	±0.5%	±1%	74
CFM40S050	5V	6A	0A	1%	±1%	±0.5%	±1%	78
CFM40S090	9V	4.45A	0A	1%	±1%	±0.5%	±1%	82
CFM40S120	12V	3.34A	0A	1%	±1%	±0.5%	±1%	84
CFM40S150	15V	2.67A	0A	1%	±1%	±0.5%	±1%	85
CFM40S240	24V	1.67A	0A	1%	±1%	±0.5%	±1%	86
CFM40S300	30V	1.33A	0A	1%	±1%	±0.5%	±1%	86
CFM40S360	36V	1.11A	0A	1%	±1%	±0.5%	±1%	87
CFM40S480	48V	0.834A	0A	1%	±1%	±0.5%	±1%	88

60 Watt Series

MODEL	OUTPUT VOLTAGE	MAX LOAD	MIN LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	EFF %
CFM60S033	3.3V	8A	0A	50mV	±1%	±0.5%	±1%	74
CFM60S050	5V	8A	0A	1%	±1%	±0.5%	±1%	78
CFM60S090	9V	6.67A	0A	1%	±1%	±0.5%	±1%	82
CFM60S120	12V	5A	0A	1%	±1%	±0.5%	±1%	84
CFM60S150	15V	4A	0A	1%	±1%	±0.5%	±1%	85
CFM60S240	24V	2.5A	0A	1%	±1%	±0.5%	±1%	86
CFM60S300	30V	2A	0A	1%	±1%	±0.5%	±1%	86
CFM60S360	36V	1.67A	0A	1%	±1%	±0.5%	±1%	87
CFM60S480	48V	1.25A	0A	1%	±1%	±0.5%	±1%	88

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. Input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
5. Output connector mates with Molex housing 09-50-3041 and Molex 2878 series crimp terminal.

