

60 Watt, CFM60 Series , Open Frame Power Supply



electronic powersolutions

- Universal AC Input 90~264VAC
- All Voltages available 3.3 to 48 Volts
- Open Frame with option of Fully Enclosed
- High Efficiency Up To 88%
- Short Circuit, Over Voltage Protected
- Convection Cooled To Full Power
- Full Approvals: UL/CE (Medical Option)
- Compact Size 4 x 2" foot-print



Specification

Input Voltage.....	90~264 VAC, 47~63 Hz (100-370 VDC)
Inrush Current.....	50 A @ 240 VAC
Output Voltage.....	Single Outputs, See table below (Triple Output option)
Load Regulation.....	+/-1% (10% to Full Load)
Line Regulation.....	+/-0.5% (Low Line to High Line at Full Load)
Over Voltage Protection.....	TVS component to Clamp
Short Circuit Protection.....	Hiccup mode, Auto Recovery
Hold Up Time.....	8 ms, min @ 115 VAC
Ripple50mV (3.3Volt O/P) 1% (all other voltages)
Input to Output Isolation.....	I/P-O/P: 4,242 VDC
Operating Temperature	0 to +70 °C, see derating curves
Storage Temperature.....	-20 to +85 °C
Switching Frequency.....	66 kHz typ
Safety Standards.....	UL60950-1 IEC60950-1, CE, EN60950-1
EMC.....	EN55022 class B, FCC Part 15 Class B EN55024, EN61000-6-3, EN61000-6-1, EN61000-3-2,3 EN61204-3
Mechanical	101.6 x 50.8 x 30.48 mm
Connections Input & Output.....	Molex plug in connectors (PCB mounting option available)

Models and Ratings (Single Output units, Triple Output models also available)

Model	Output Voltage	Output Current	Efficiency
CFM60S033	3.3 V	8 A	72%
CFM60S050	5.0 V	8 A	77%
CFM60S090	9.0 V	6.67 A	84%
CFM60S120	12.0 V	5 A	85%
CFM60S150	15.0 V	4 A	86%
CFM60S240	24.0 V	2.5 A	86%
CFM60S300	30.0 V	2 A	86%
CFM60S360	36.0 V	1.67 A	88%
CFM60S480	48.0 V	1.25 A	86%

Note : Please contact ALL PSU sales for details on all other Output Voltage models, any Voltage available from 3.3 to 48 Volts, plus all units have a minimum of +/-5% Output adjustment.

Please see next page for mechanical drawings and derating.

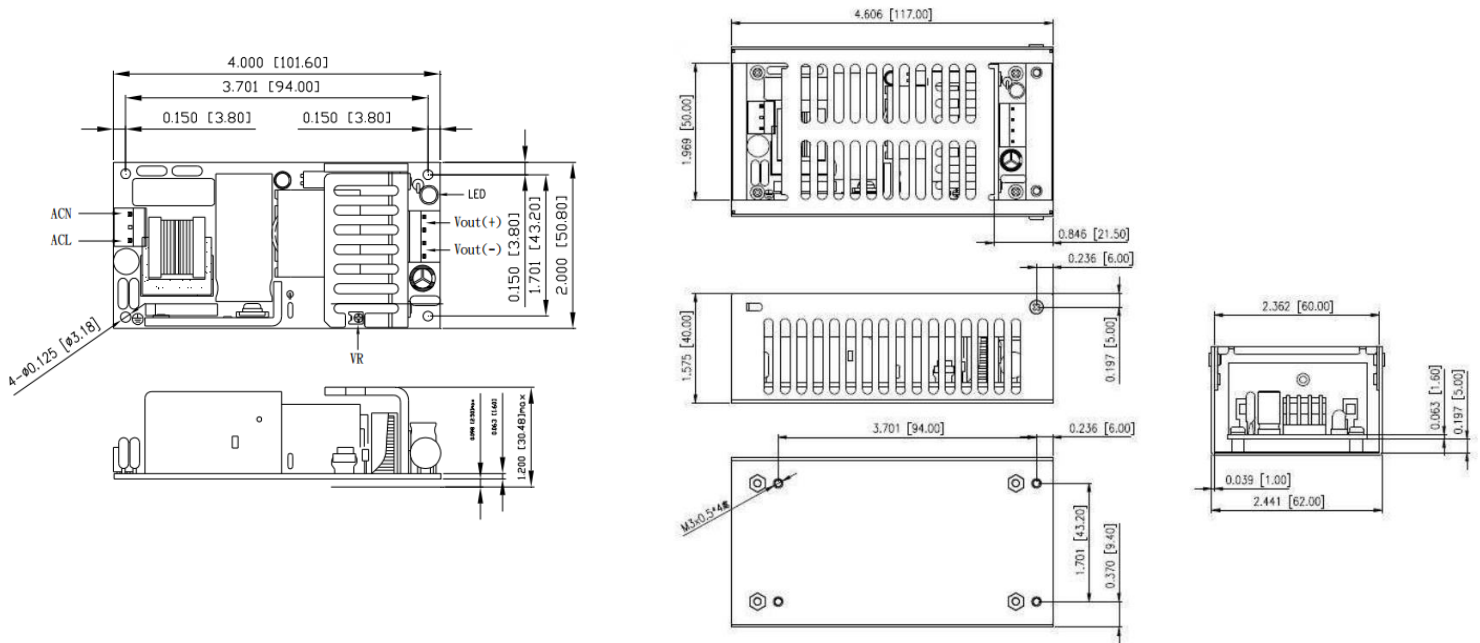
**ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,
Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111
Email : sales@allpsu.co.uk, Web : www.allpsu.co.uk**

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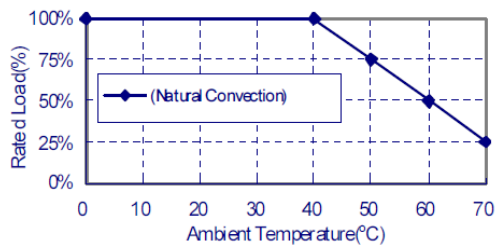
Mechanical Drawings. Open Frame and Fully Cased



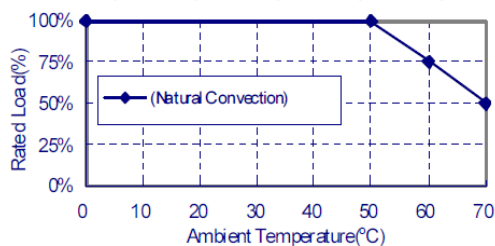
Derating (40 Watt and 60 Watt versions)

Open Frame versions:

CFM40S050, 40S090, 60S033, 60S050, 60S090

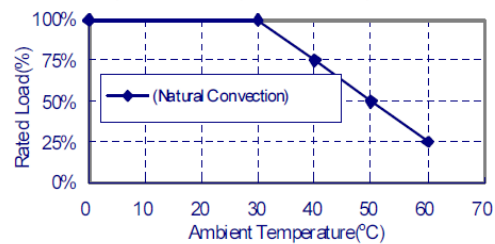


CFM40S120, 40S150, 40S240, 40S300, 40S360, 40S480
CFM60S120, 60S150, 60S240, 60S300, 60S360, 60S480

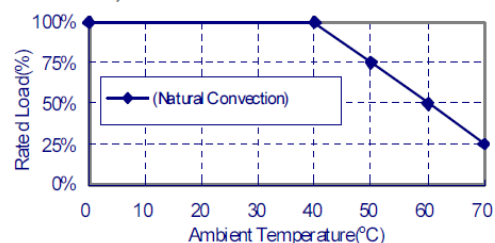


Covered versions: CFM40/60XXX-CA

CFM40S033, CFM40S050, CFM60S033, CFM60S050



CFM40S090, 60S090, 60S120, 60S150, 60S240, 60S300
CFM60S360, 60S480



Specifications may change without notice. E&OE. ALL PSU Terms & Conditions apply.

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