

100 Watt, AQF1000 Series, Open Frame PSU

ALL PSU LTD
Electronic Power Solutions

- Universal AC Input With PFC
- Very Compact Size
- High Efficiency Up To 92%
- Short Circuit, Over Voltage, Over Load Protected
- Convection Cooled To Full Power
- Full Approvals: UL/CE
- Optional Input & Output Connections



Specification

Input Voltage.....	90~264 VAC, 47~63 Hz (120-370 VDC)
Inrush Current.....	<30 A @ 115 VAC, <60 A @ 230 VAC
Output Voltage.....	Single Outputs, See table below, plus adjustment
Load Regulation.....	+/-1%
Line Regulation.....	+/-1%
Over Voltage Protection.....	Zener Diode Clamp
Short Circuit Protection.....	Auto Recovery
Overload Protection.....	Auto Recovery
Hold Up Time.....	Minimum 10 ms,
Ripple & Noise.....	0.1% of nominal output Voltage (maximum)
Input to Output Isolation.....	I/P-O/P: 3 kVAC,
Operating Temperature	-25 to +70 °C, see derating curve
Storage Temperature.....	-25 to +85 °C
Switching Frequency.....	100 kHz
Safety Standards.....	UL60950-1, CE
EMC.....	EN55022 class B, EN55024, EN61000-6-3
Mechanical Size.....	103.9 x 52.1 x 27 mm
Connections Input & Output.....	Screw Terminals standard, Molex option

Models and Ratings

Model	Output Voltage	Output Current Convection Cooled	Efficiency
AQF1000-12S-AP	12.0 V	7.5 A	90 %
AQF1000-15S-AP	15.0 V	6.66 A	90 %
AQF1000-24S-AP	24.0 V	4.16 A	93 %
AQF1000-48S-AP	48.0 V	2.09 A	93 %

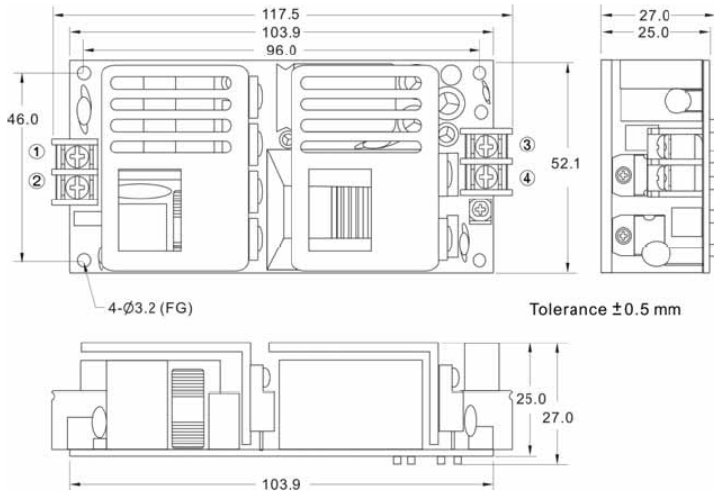
Note : Additional 20% power available with 12 CFM forced air cooling

Please see next page for mechanical drawings.

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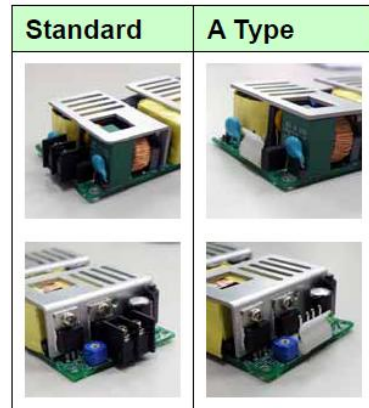
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Mechanical Drawings.



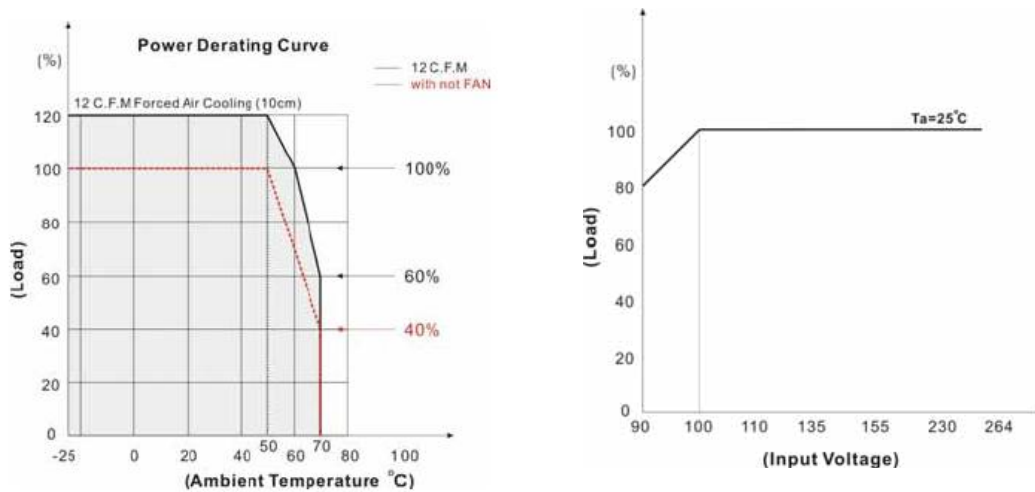
Note : A Type option with Molex Connectors reduces maximum overall length to 107.2mm (117.5 with screw terminals)

Optional Connectors



Connections	
Terminal	Function
1	AC Neutral
2	AC Live
3	+DC Out
4	- DC Out
PCB Fixing	Earth

Derating, (Input AC Supply & Temperature)



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