

## 240 Watt, AQF240U Series, U-Channel Power Supply



electronicpowersolutions

- Universal AC Input
- U-Channel Chassis or option of fully enclosed format.
- High efficiency up to 93%
- Short Circuit, Over Voltage, Over Load protected
- Convection cooled to full power
- Full approvals: UL/CE
- Very compact & low profile case size



### 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
Load Regulation.....	+/-1%
Line Regulation.....	+/-1%
Over Voltage Protection.....	Latch Off
Short Circuit Protection.....	Latch Off
Overload Protection.....	Auto Recovery
Hold Up Time.....	20 ms, min
Ripple & Noise.....	1% max
Input to Output Isolation.....	I/P-O/P: 4 kVAC,
Operating Temperature .....	-10 to +70 °C, see derating curve
Storage Temperature.....	-25 to +85 °C
Switching Frequency.....	100 kHz
Safety Standards.....	UL60950, CE
EMC.....	EN55022 class B, EN55024
Mechanical .....	150 x 106 x 35 mm
Connections Input & Output.....	Screw Terminals

### Models and Ratings

Model	Output Voltage	Output Current	Efficiency
AQF240U-5S-AP**	5.0 Volts	36 Amps	87 %
AQF240U-12S-AP	12.0 Volts	20 Amps	90 %
AQF240U-15S-AP*	15.0 Volts	16 Amps	90 %
AQF240U-24S-AP	24.0 Volts	10 Amps	92 %
AQF240U-28S-AP	28.0 Volts	8.57 Amps	92 %
AQF240U-32S-AP*	32.0 Volts	7.5 Amps	92 %
AQF240U-48S-AP	48.0 Volts	5 Amps	93 %

Note : Models marked with \* may be subject to a minimum order quantity

\*\* 5 Volt Output model does not have UL approval and are 37mm high.

Please see next page for mechanical drawings.

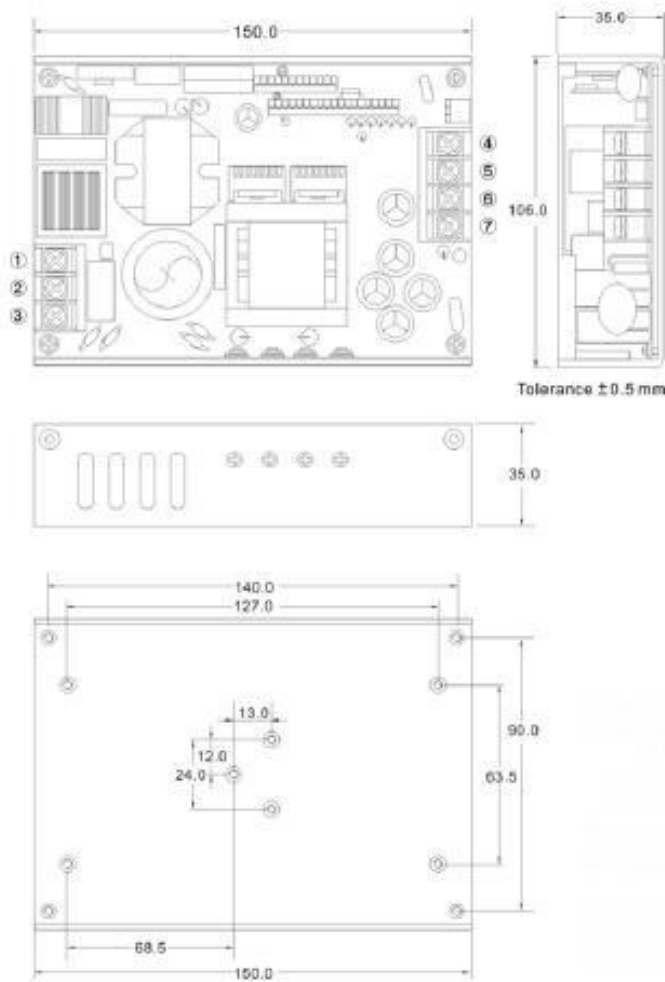
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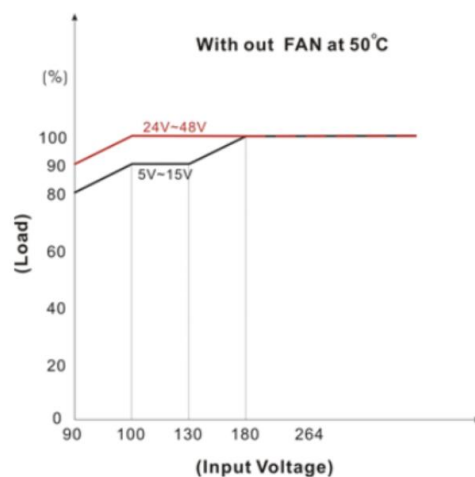
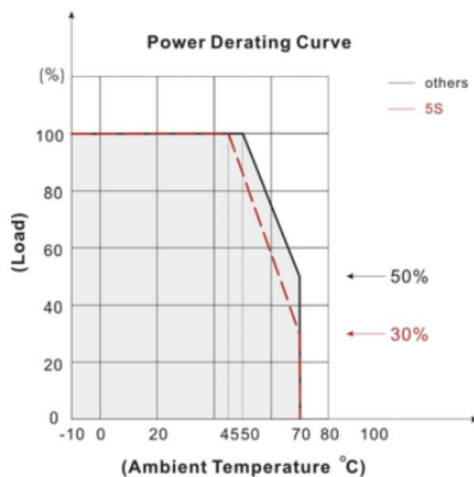
## Mechanical Drawings.



5 Volt Output units have a height of 37mm

Connections	
Terminal	Function
1	AC Live
2	AC Neutral
3	Input Earth
4	+DC Out
5	+DC Out
6	-DC Out
7	-DC Out

## Derating, (Input AC Supply & Temperature)



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

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