

## 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.

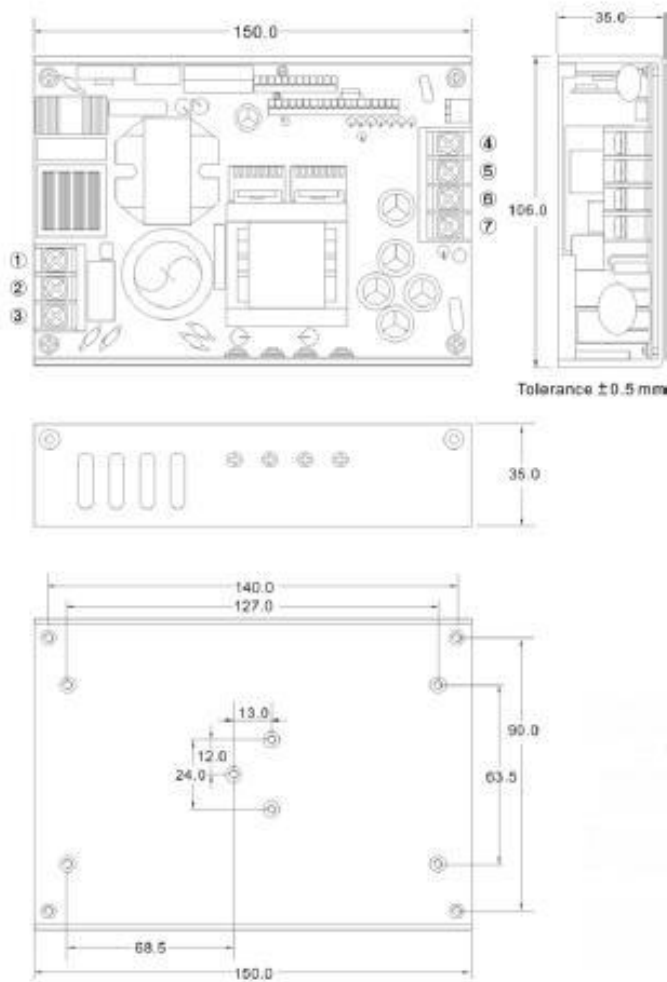
ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,  
 Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111  
 Email : sales@allpsu.co.uk, Web : www.allpsu.co.uk

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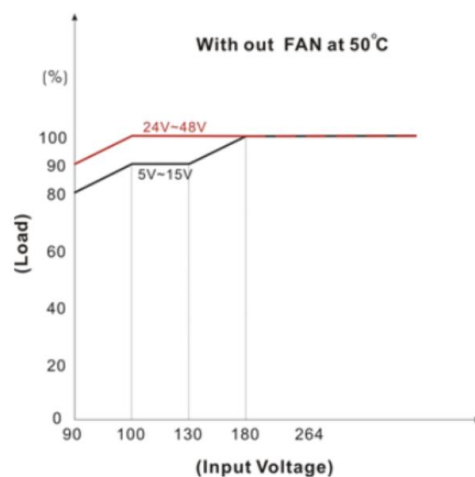
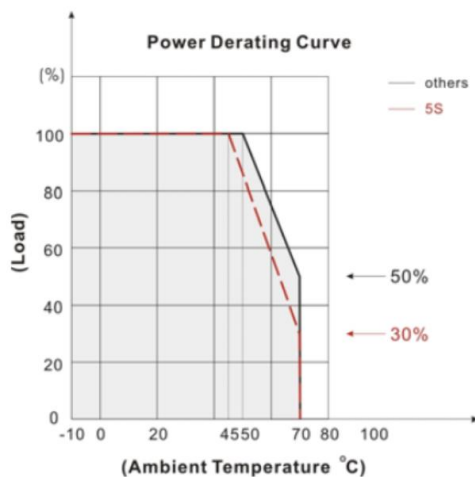
## Mechanical Drawings.



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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