

100 Watt, AQC100 Series, Encapsulated Power Supply



electronicpowersolutions

- Universal AC Input
- Fully Encapsulated, Compact PCB Mounting Plastic Case, Option of Chassis or DIN rail Mounting with Screw Terminals.
- High Efficiency – Up to 93%
- Short Circuit, Over Voltage, Over Load Protected
- Convection Cooled For Full Power
- Full Approvals: UL/CE
- Remote On/Off Function & Output Trim



Specification

Input Voltage.....	90~264 VAC, 47~63 Hz (120-370 VDC)
Active PFC.....	>0.95 (230 VAC), >0.99 (115 VAC)
Inrush Current.....	<30 A @ 115 VAC, <60 A @ 230 VAC (<2ms)
Output Voltage.....	Single Outputs, See table below
Output Voltage Adjustment.....	via Trim PIN, typically +/-5%
Load Regulation.....	+/-1% typical
Line Regulation.....	+/-1% typical
Over Voltage Protection.....	Zener Diode Clamp
Over Load Protection.....	Automatic recovery, hiccup mode
Short Circuit Protection.....	Automatic recovery, hiccup mode
Hold Up Time.....	10 ms (110VAC), min
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, EN61000-6-3, EN55024 EN61000-4-2,3,4,5,6,8,11
Mechanical	Encapsulated, PCB Mounting 109 x 58.5 x 30 mm
Weight.....	310 g
Connections Input & Output.....	PCB mounting: through hole pins Chassis or DIN Rail Mounting with Screw Terminals, 140 x 60 x 37.1mm

Models and Ratings

Model	Output Voltage	Output Current	Efficiency
AQC100-12S-AP	12.0 V	7.08 A	90 %
AQC100-15S-AP	15.0 V	5.66 A	90 %
AQC100-24S-AP	24.0 V	4.20 A	92 %
AQC100-48S-AP	48.0 V	2.10 A	93 %

Please see next page for mechanical drawings.

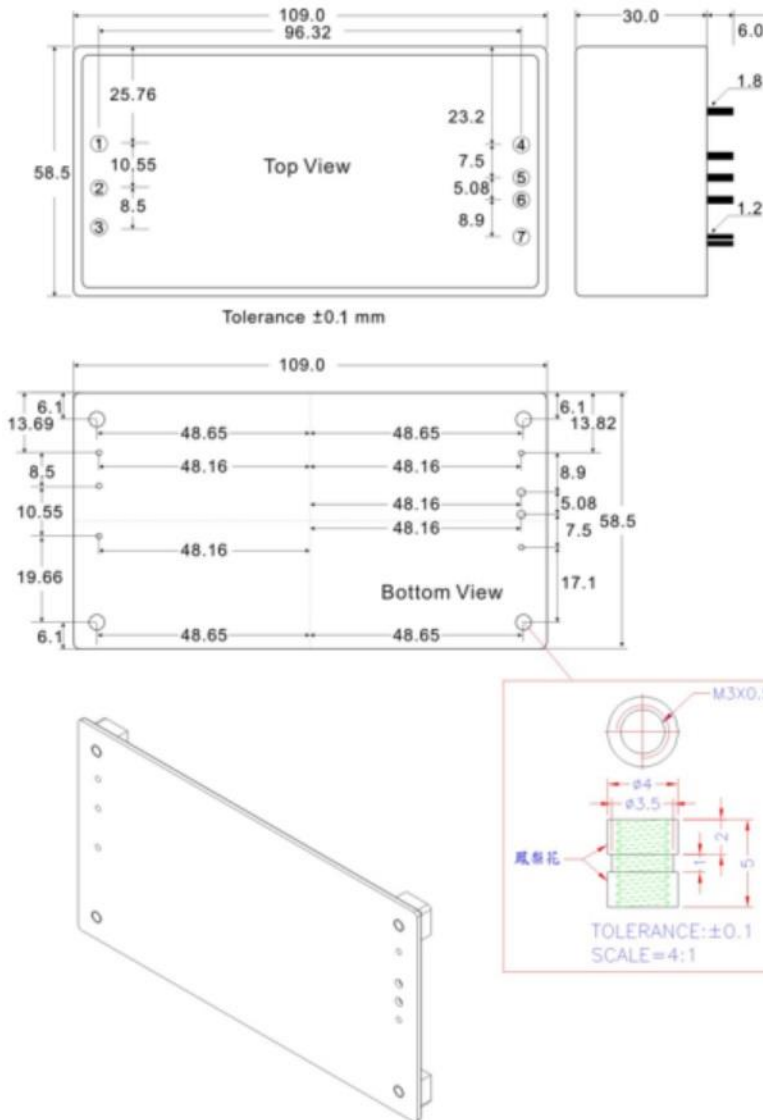
ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,
Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111
Email : sales@allpsu.co.uk, Web : www.allpsu.co.uk

100 Watt, AQC100 Series, Encapsulated Power Supply



electronicpowersolutions

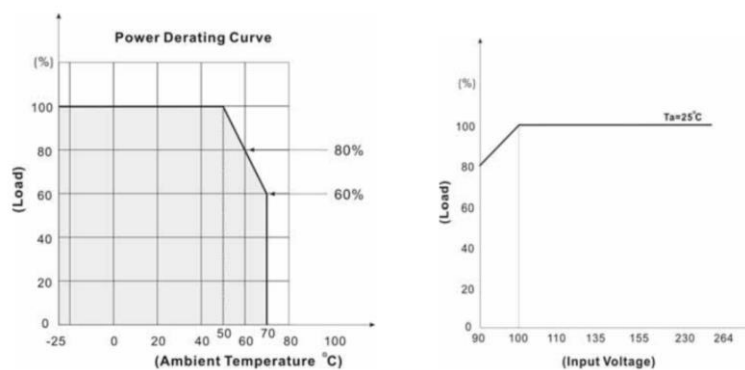
Mechanical Drawing and PIN Out.



PIN	Single
1	AC IN (Neutral)
2	AC IN (Live)
3	Input Earth
4	Remote On/Off
5	+DC OUT
6	-DC OUT
7	Output Voltage Trim

Remote On/Off Function, Pin 4
 Leave open or connected to pin 6 (-DC Out) for normal operation and output on.
 To switch output off apply an externally generated +5 Volts to Pin 4 with Return to Pin 6.
 Output Voltage Trim, Pin 7
 Range +/-5% with resistance between Pin 7 and Pin 5 or 6, contact ALL PSU for details.

4 Corner mounted M3 bushes are fitted to base of unit for mechanical fixing.



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

**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**