

100 Watt, EPP Series, Open Frame (Single Output)



electronicpowersolutions

- Universal AC Input
- High Efficiency up to 92.5%
- Short Circuit, Overload, Over-Volt, Over-Temp Protection
- 75 Watt Convection Cooled, 100 Watts With 20CFM Forced Air Cooling (12 Volt Fan supply included)
- High Reliability, 100% Burn In
- 3 Year Warranty
- Very Competitive Prices
- No Load Power Consumption <0.5 Watts



Size: 101.6 x 50.8 x 29 mm

Specification

Universal Input.....	90~264 VAC / 127~370 VDC
Frequency.....	47~63 Hz
Output Voltage.....	See table below, plus Output Voltage trim range
Output Power.....	75 Watts Convection, 100 Watts Fan Cooled
Over Load Protection.....	105~145%, output hiccup mode, (auto-recovery)
Over Voltage Protection.....	Shuts off o/p voltage, re-power on to recover
Set Up, Rise, Hold Up Time.....	1000 ms, 30 ms, 16 ms (230 VAC Input)
Isolation Voltage.....	I/P-O/P: 3 kVAC
Line Regulation.....	+/-0.5% (all models)
Load Regulation.....	+/-1% (all models)
AC Input Current.....	1.4 A @ 115 VAC, 0.7 A @ 230 VAC
Inrush Current.....	70A @ 230VAC (cold start)
Operating Temperature.....	-30 to +70°C (see derating curve)
Storage Temperature.....	-40 to +85 °C
Safety Standard.....	UL60950-1, TUV EN60950-1
EMC Standard.....	(CISPR22) EN55022 Class B EN61000-4-2, 3, 4, 5, 6, 8, 11 EN61000-3-2,3, Heavy Industrial Level, Criteria A.
Size.....	101.6 x 50.8 x 29 mm
Connection.....	JST input and output connectors, see next page for details

Models and Ratings

Model	Output Voltage	Output Current (Fan Cooled)	Output Current (Convection)	Ripple/Noise	Efficiency
EPP-100-12	12 V	8.5 A	6.3 A	120 mV	91%
EPP-100-15	15 V	6.67 A	5 A	150 mV	91%
EPP-100-24	24 V	4.2 A	3.2 A	240 mV	92%
EPP-100-27	27 V	3.71 A	2.8 A	240 mV	92.5%
EPP-100-48	48 V	2.1 A	1.6 A	300 mV	92.5%

Please see next page for mechanical drawing and connection details.

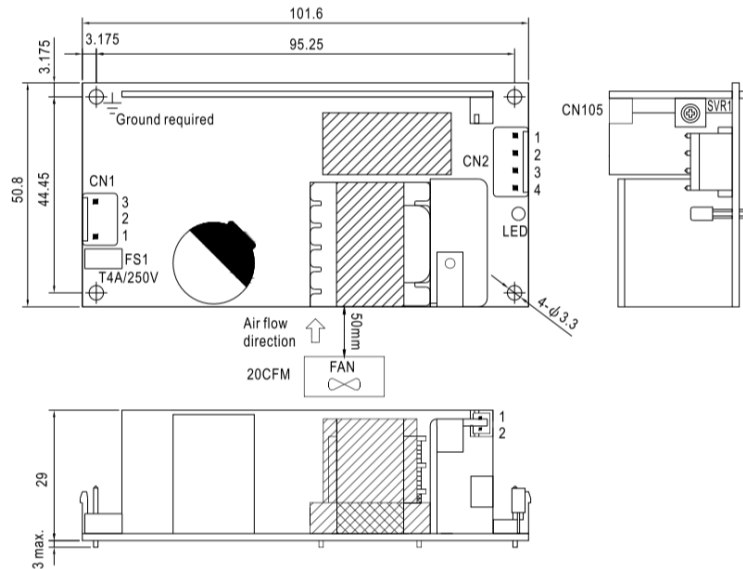
ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,
 Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111
 Email: sales@allpsu.co.uk Web: www.allpsu.co.uk

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Mechanical Details



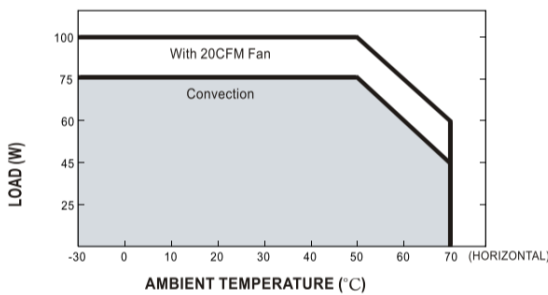
AC Input Connector(CN1):JST B3P-VH or equivalent			
Pin No	Assignment	Mating Housing	Terminal
1	AC Live	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	No Pin		
3	AC Neutral		

DC Output Connector(CN2):JST B4P-VH or equivalent			
Pin No	Assignment	Mating Housing	Terminal
1 and 2	-V Out	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
3 and 4	+V Out		

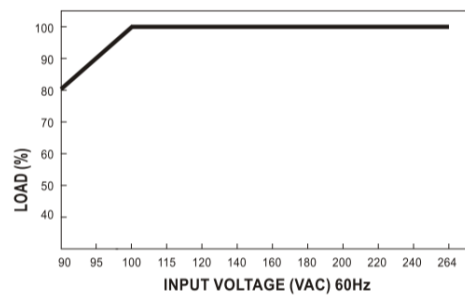
FAN Connector(CN105):JST B2B-PH-K-S or equivalent			
Pin No	Assignment	Mating Housing	Terminal
1	+12 V, 0.3 A	JST PHR-2 or equivalent	JST SPH-002T-P0.5S or equivalent
2	12 Volts Return		

Connector Kits are available from ALL PSU, Order as : EPP-100 Con Kit

■ Output Derating



■ Output Derating VS Input Voltage



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

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