

## 150 Watt, ASP Series, Open Frame, (Single Output)

**ALL PSU LTD**  
Electronic Power Solutions

- Universal Input With PFC
- High Efficiency / Reliability
- No Load Power Consumption <1 Watt
- 100% Full Load Burn In
- Short Circuit, Over Load, Over Voltage, Over Temperature Protection
- Full Approvals: UL/CUL/TUV/CB/CE
- 3 Year Warranty
- Low Profile Compact Size
- Optional Cover (For Volume Applications)



### Specification

Input Voltage.....	90~264 VAC, 47~63 Hz, 127~370 VDC
Power Factor.....	0.98 @ 115 VAC, 0.95 @ 230 VAC
Output Voltage.....	See table below (plus adjustment range +/-10% min)
Over Load Protection.....	105~135% rated output power: hiccup mode (auto-recovery)
Over Voltage Protection.....	110~135% of rated output voltage
Line Regulation.....	+/-0.5%
Load Regulation.....	+/-1% (12 & 15V models), +/-0.5% others
Set Up, Rise Time.....	3000 ms, 80 ms @ full load
Hold Time (typ.).....	50 ms / 230 VAC, 16ms / 115 VAC @ full load
Inrush Current.....	80A (cold start @ 230VAC)
Leakage Current.....	<2mA @ 240VAC
Isolation Voltage.....	I/P-O/P: 4.25 kVAC, I/P-FG:1.5 kVAC, O/P-FG: 0.5 kVAC
Operating Temperature.....	-20 °C~+40 °C full load (to +60 ° C with fan cooling)
Safety Standards.....	UL60950-1, TUV EN60950-1
EMC Standard.....	EN55022 Class B, EN61000-4-2, 3, 4, 5, 6, 8, 11 EN61000-3-2, 3, ENV50204, light industry level, criteria A
Mechanical Size.....	169 x 60 x 28.5 mm
Connections.....	JST plug In for input and output
Dimensions.....	169(L) x 60.7(W) x 28.5(H) mm
MTBF.....	149.3 k hrs (MIL-HDBK-217F) @ 25 °C
Weight.....	0.32 kg

### Models and Ratings

Model	Output	Ripple/Noise	Efficiency
ASP-150-12	12.0 V / 11 A	150 mV p-p	88%
ASP-150-15	15.0 V / 9.5 A	180 mV p-p	88%
ASP-150-20	20.0 V / 7.5 A	200 mV p-p	90%
ASP-150-24	24.0 V / 6.3 A	240 mV p-p	90%
ASP-150-48	48.0 V / 3.2 A	240 mV p-p	89%

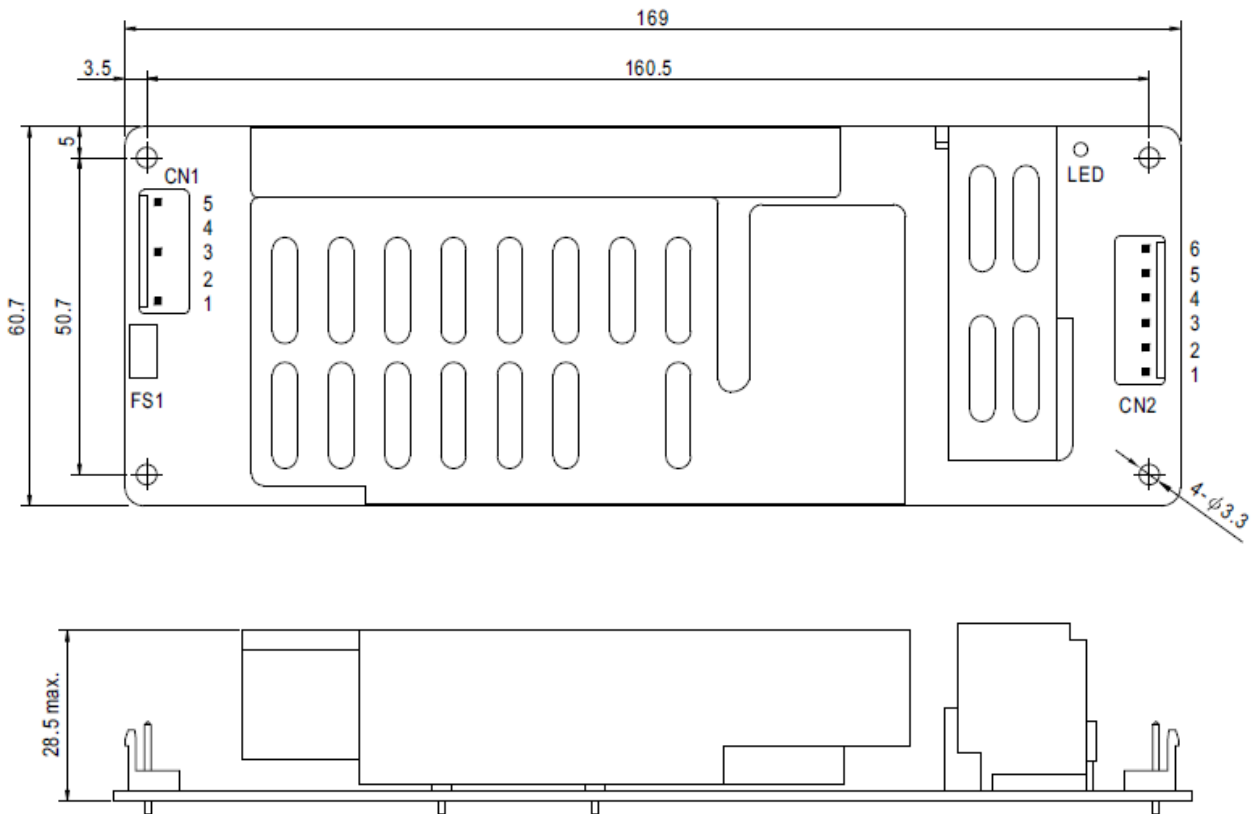
For mechanical details see next page

**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**

# 150 Watt, ASP Series, Open Frame, (Single Output)

**ALL PSU LTD**  
Electronic Power Solutions

## Mechanical Details

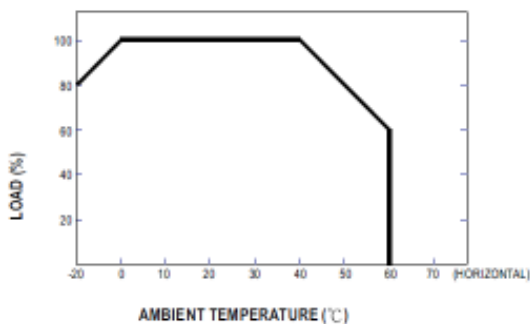


## Pinout Details

AC Input Connector (CN1): JST B5P-VH or equivalent			
Pin	Function	Mating Housing	Terminal
1	AC Live	JST VHR or equivalent	JST SVH-2.1T-P.1 or equivalent
2,4	No Pin		
3	AC Neutral		
5	Gnd		

DC Output Connector (CN2): JST B6P-VH or equivalent			
Pin	Function	Mating Housing	Terminal
1,2,3	-V Out	JST VHR or equivalent	JST SVH-2.1TP1.1 or equivalent
4,5,6	+V Out		

## Derating



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