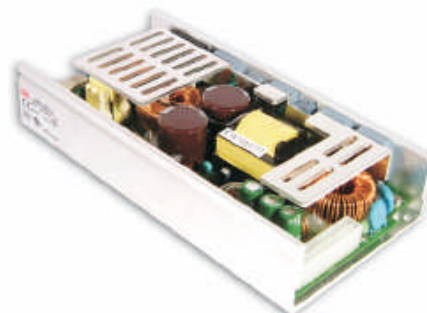


225 Watt, USP Series, U-Channel Mount, (Single Output)

ALL PSU LTD
Electronic Power Solutions

- Universal Input with PFC
- High Efficiency/Reliability
- Low Profile (Fits 1U Systems)
- 100% Full Load Burn In
- Short Circuit, Over Load, Over Voltage, Over Temp Protection
- Full Approvals: UL/CUL/TUV/CB/CE
- 3 Year Warranty
- 150 / 225 Watts, Convection / Fan Cooled



Specification

Input Voltage.....	90~264 VAC, 47~63 Hz, (or 120~370 VDC).
Power Factor.....	0.97 @ 115 VAC, 0.93 @ 230 VAC
Output Voltage.....	See Table Below (plus adjustment range)
Over Load Protection.....	105~150% constant curre (auto-recovery)
Over Voltage Protection.....	110~135% of output voltage
Line Regulation.....	+/-0.5% typical
Load Regulation.....	+/-1.0% typical
Set Up, Rise, Hold Up Time.....	500 ms, 30 ms, @ 230 VAC typical
Isolation Voltage.....	I/P-O/P: 3 kVAC, I/P-FG:1.5 kVAC, O/P-FG: 0.5 kVAC
Operating Temperature.....	-20 °C~+65 °C (see derating curve)
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
Dimensions.....	202(L) x 101.5(W) x 38(H) mm
MTBF.....	220 k hrs (MIL-HDBK-217F) @ 25 °C
Weight.....	0.85 kg

Models and Ratings

Model	Output	Ripple/Noise	Efficiency
USP-225-3.3	3.3 V / 40 A	100 mV	72%
USP-225-5	5 V / 40 A	100 mV	77%
USP-225-12	12 V / 18.7 A	100 mV	83%
USP-225-15	15 V / 15 A	100 mV	84%
USP-225-24	24 V / 9.4 A	150 mV	85%
USP-225-48	48 V / 4.7 A	250 mV	86%

Note: The unit requires 18CFM of forced air cooling for 225W rated output. With free air convection cooling, the unit is 150W total power rated

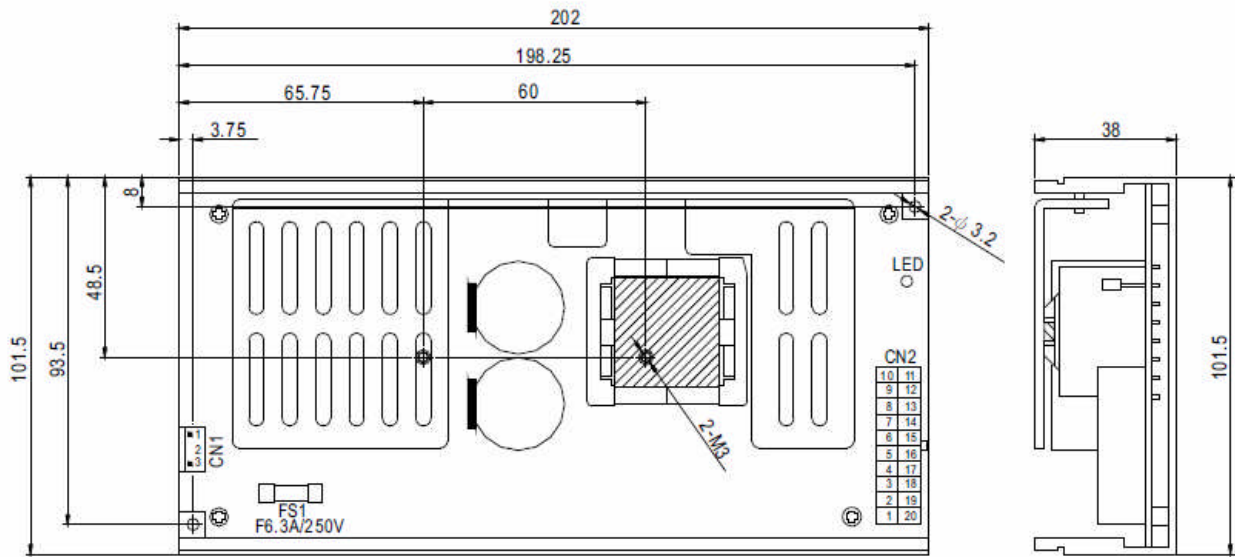
For mechanical details and pinout, see next page

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

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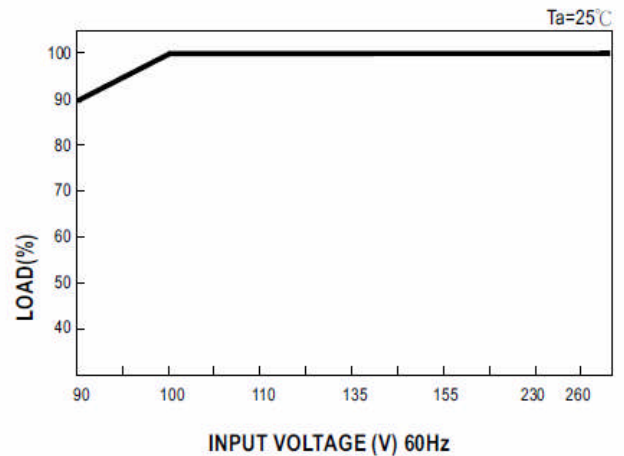
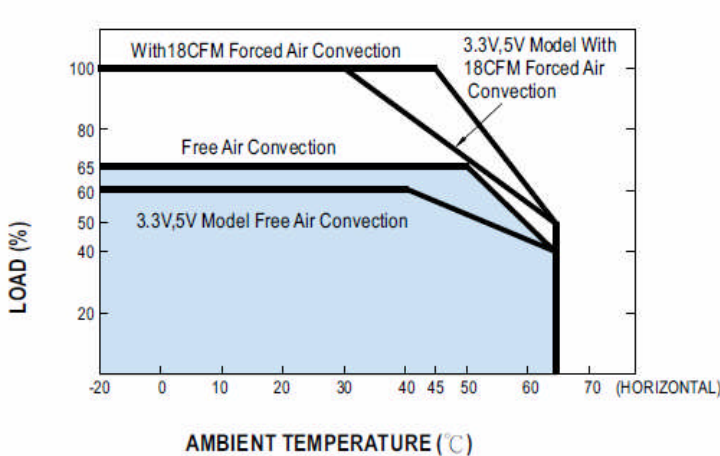
Mechanical Details



Pinout

AC Input Connector (CN1) JST B3P-VH or Equivalent			
Pin	Function	Mating Housing	Mating Terminal
1	AC Neutral	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	N/C		
3	AC Live		

DC Output Connector (CN2) Molex 39-29-9206 or equivalent			
Pin	Function	Mating Housing	Mating Terminal
1~5	+V Out	Molex 5557 or equivalent	Molex 5556 or equivalent
6~15	-V Out		
16~20	+V Out		



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

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