

## 750 Watt, SP-750 Series, Enclosed Power Supply

**ALL PSU LTD**  
Electronic Power Solutions

- Universal AC Input with PFC
- High Efficiency
- High Reliability
- 100% Full Load Burn In
- Short Circuit, Over Load, Over Voltage and Over Temperature Protection
- Full Approvals: UL/CUL/TUV/CB/CE
- 3 Year Warranty
- Long Life Ball Bearing Cooling Fan
- Built In Remote Control, Power Fail & Remote Sense



### Specification

Input Voltage.....	90~264 VAC, 47~63 Hz (120-370 VDC)
Inrush Current.....	27 A @ 115 VAC, 45 A @ 230 VAC
Output Voltage.....	See table below
Load Regulation .....	+/-2% (5 Volts), +/-0.5% (other Voltages)
Line Regulation .....	+/-0.5% ( 5 Volts), +/-3% (12/15 Volts), +/-0.2% (others)
Over Voltage Protection.....	115~140% Output Voltage
Over Load Protection.....	105~125% O/P Constant Current limiting,(hiccup after 3 sec)
Hold Up Time.....	16 ms minimum at full load.
Input to Output Isolation.....	I/P-O/P: 3 kVAC,
Operating Temperature .....	-20 to +60 °C, see derating curve,
Storage Temperature.....	-40 to +85 °C
Safety Standards.....	UL60950-1, EN60950-1, CE
EMC.....	EN55011, EN55022 Class B, EN61000-3-2,-3 EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024 EN61000-6-2, EN61204-3, heavy industrial level, criteria A
Signals and Controls.....	Remote Sense, Remote On/OFF, Power Good/Fail
Size.....	279 x 127 x 63.5mm (plus connections to length)

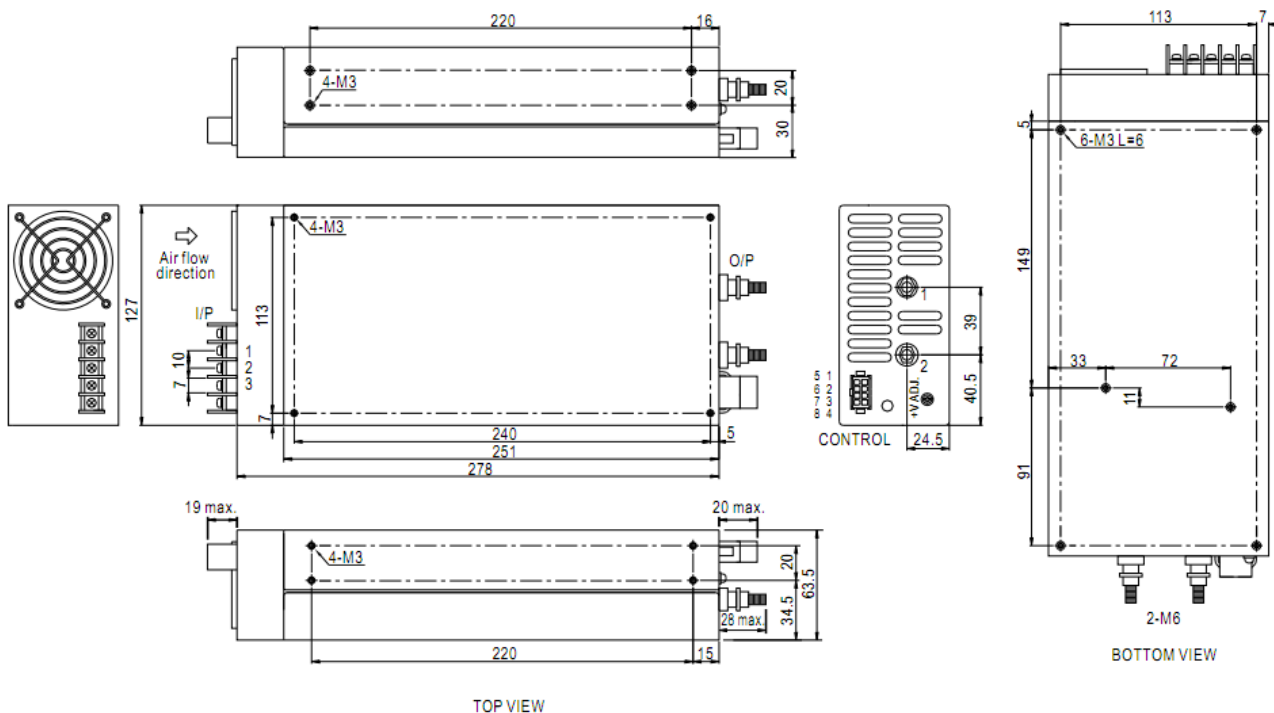
### Models and Ratings (Single Output)

Model	Output Volts DC	Output Current	Efficiency
SP-750-5	5.0 V	120.0 A	80%
SP-750-12	12.0 V	62.5 A	85%
SP-750-15	15.0 V	50.0 A	87%
SP-750-24	24.0 V	31.3 A	89%
SP-750-27	27.0 V	27.8 A	89%
SP-750-48	48.0 V	15.7 A	90%

Please see next page for mechanical drawings.

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## Mechanical Drawings



### AC Input Terminal

Pin	Function
1	AC Live
2	AC Neutral
3	FG

### DC Output Terminal

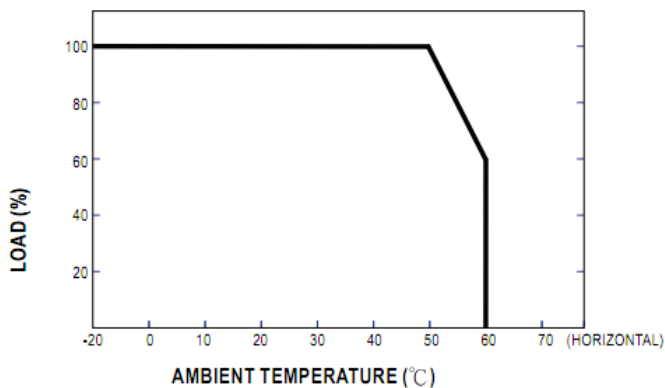
Stud	Function
1	+ DC OUT
2	-DC OUT

### Control PIN No Assignment :

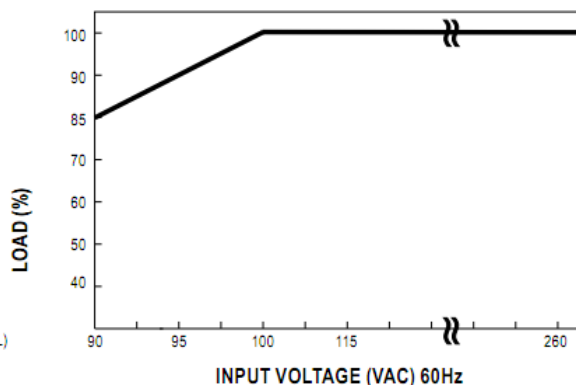
Molex 5559-NP uses 5558 male crimp terminals

Pin	Function	Pin	Function	Mating Connector	Terminal
1	NC	5	NC	Molex 5557-NR	Molex 5556 Female crimp terminal receptacle
2	-Sense	6	PF (power fail signal)		
3	G (PF Return)	7	+Sense		
4	Remote-	8	Remote+		

### Derating Curve



### Static Characteristics



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

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