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# SPS-S150 Series

## 150W, Single Output



198 x 95 x 38 mm  
 7.8 x 3.74 x 1.5 inch

**UL CB CE** (pending)

### Features:

Power ON with LED indicator
Built-in EMI filter, low ripple noise
Over load, over voltage protection
Short circuit shutdown and Auto recovery
Output 10% adjustment
Non min. load requirement
100% 50 burn-in test
UL, cUL, CB, CE pending
3 years warranty

### Specification:

INPUT	Voltage	88 ~ 132 VAC/115 V or 176 ~ 264 VAC/230 V, selected by switch.					
	AC Frequency	47 ~ 63 Hz					
	Current	<3.0A@115V / <2.0A@230V AC input, full load condition.					
	Inrush Current	<40A@115V / <80A@230V AC input, full load condition. Cold start at 25 °C ambient					
	Leakage Current	<1.5mA@264V AC input					
OUTPUT	MODEL	SPS-S150-05	SPS-S150-7.5	SPS-S150-12	SPS-S150-15	SPS-S150-24	SPS-S150-36
	Voltage	5 V	7.5 V	12 V	15 V	24 V	36 V
	Min. Load	0 A					
	Max. Load	26 A	17.4 A	12.5 A	10 A	6.5 A	4.4 A
	Regulation	±2 %	±2 %	±1 %	±1 %	±1 %	±1 %
	Ripple Noise(MAX.)	80 mV	80 mV	120 mV	120 mV	120 mV	200 mV
	OVP	5.8 V ~ 7.0 V	8.6V ~ 10.5V	13.8V ~ 17.5 V	17.3V ~ 21.0V	27.6V ~ 33.6V	41.4V ~ 50.4V
	Efficiency (TYP.)	78 %	79 %	83 %	84 %	86 %	86 %
MAX OUTPUT	130 W	130 W	150 W	150 W	156 W	158.4 W	
PROTECTION	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.					
	Over Load Protection	Shutdown when load over 105% ~ 150% of rating shutdown, recovers automatically after fault condition has been removed.					
	Over Voltage	✓					
OTHERS	Rise time	<50mS					
	Hold up time	>20mS@230V					
	Setup time	<800mS@115VAC, <1000mS@230VAC					
	Cooling	Natural Cooling					
Environment	Temperature	Operating: -10~70 °C De-rating: 45 ~ 70 °C : 2.0%/°C Storage: -20 ~ +75 °C					
	Humidity	Operating: 20% ~ 85% Storage: 10% ~ 95% (non condensing)					
M.T.B.F.	256K hours						
SAFETY	UL 60950-1 <sup>st</sup> , CSA C22.2 No.60950-1-03 1 <sup>st</sup> , TUV EN 60950-1 <sup>st</sup> , IEC 60950-1 <sup>st</sup> , EMKO-TSE(74-SEC)207/94 standard.						
EMC	EMI	EN 55022 CLASS B FCC CFR 47 PART 15 CLASS B CNS 13438 CLASS B.					
	EMS	EN 55024 EN 61000-4-2,3,4,5,6,8,11.					

