



Features:

- AC input voltage range selected by switch
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage/over temp
- Built-in power factor correction, PF> 0.95
- LED indicator for power on
- 100% full load burn-in test
- 2 Years warranty

SPECIFICATION

Dimension: 199 × 99 × 48mm



Model		SP-150-5	SP-150-12	SP-150-15	SP-150-24
Output	DC voltage	5V	12V	15V	24V
	Voltage tolerance	± 1%	± 1%	± 1%	± 1%
	Rated current	30A	12.5A	10A	6.3A
	Current range	0 ~ 30A	0 ~ 12.5A	0 ~ 10A	0 ~ 6.3A
	Rated power	150W	150W	150W	151.2W
	Ripple&noise	150mVp-p	150mVp-p	150mVp-p	180mVp-p
	DC voltage ADJ. range	± 10%	± 10%	± 10%	± 10%
Setup, rise, hold up time		800ms,50ms,20ms/230VAC,1600ms,50ms,20ms/115VAC			
Input	Voltage range	90 ~ 263VAC 47 ~ 63Hz, 125 ~ 370VDC			
	AC current	2.5A/115VAC, 1.2A/230VAC			
	Efficiency	80%	86%	86%	87%
	Inrush current	Cold start 25A/115VAC,40A/230VAC			
	leakage current	< 2mA/240VAC			
Power Factor		PF>0.95/230VAC,PF>0.98/115VAC,Output full load			
Protection	Overload	Rated output power115% ~ 150%Start overload protection Protection type: hiccup mode, auto-recovery after fault condition is removed			
	Over voltage	6.8 ~ 7.8V	15.6 ~ 18.6V	18.8 ~ 21.6V	30.6 ~ 33.8V
	Over temperature	≥95°C ± 5°C(TSW1 detect on heatsink of power transistor) Protection mode: turn off the output, when the temperature returns to 60 °C ± 5 °C can be automatically restored			
Environment	Working temp, humidity	-20°C ~ +60°C;20% ~ 90%RH(Please refer to "derating curve")			
	Storage temp, humidity	-40°C ~ +85°C;10% ~ 95%RH Non-condensing			
Safety	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes			
	Withstand voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
Fit standard	Isolation resistance	I/P-O/P: I/P-FG,O/P-FG: 100M Ohms/500VDC			
	Safety standard	Fit UL1012			
Others	EMC Standard	Fit EN55022, CLASSA			
	Weight	0.70kg 199*99*48mm (L*W*H)			
	Packing	0.70kg/24pcs/17.5kg			

Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 3. Tolerance : includes set up tolerance, line regulation and load regulation.

