



LED POWER SUPPLY DATASHEET

SPA150

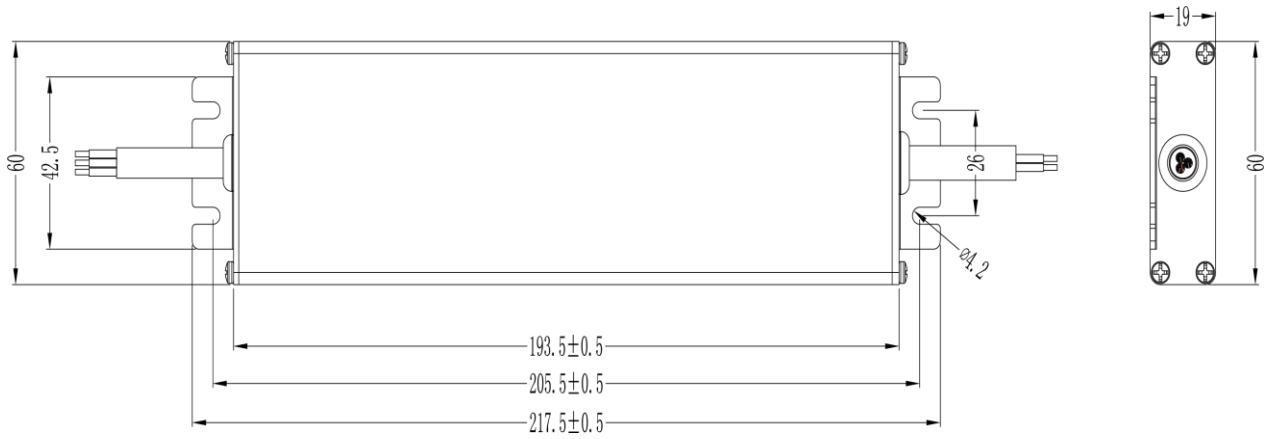
DESCRIPTION

- .Universal AC input / Full range(Max 305VAC)
- .High efficiency up to 92-93%
- .Waterproof IP67
- .Protections: Short circuit / Overload / Over voltage
- .Built-in active PFC function
- .Cooling by free air convection
- .CLASS I
- .Suitable for LED lighting applications
- .Comply with the world lighting equipment safety standards
- .5 years warranty

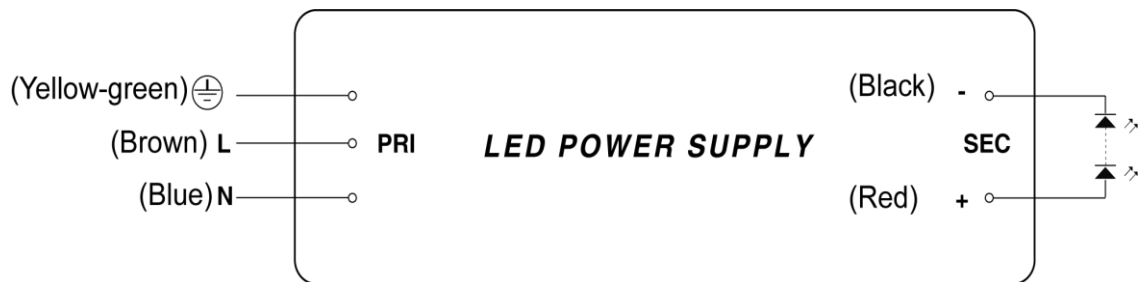


Model		SPA150-12VFP	SPA150-24VFP
Output	OUTPUT VOLTAGE	12V DC	24VDC
	RATED CURRENT	12.5A	6.25A
	MAX OUTPUT POWER	150W max	150W max
	RIPPLE & NOISE	600mV	600mV
	VOLTAGE ACCURANCE Note.2	+/-5%	
	LINE REGULATION	+/-1%	
	LOAD TOLERANCE	+/-2%	
	SETUP, RISE TIME note.3	500mS , 30mS (230V 50Hz)	
HOLD UP TIME (Typ.)	30ms/230V 15ms/120V		
Input	VOLTAGE RANGE	90~305V AC	
	FREQUENCY RANGE	47~63Hz	
	POWER FACTOR (Typ.)	PF>0.95 (230V 50Hz) PF>0.97(115V 50Hz) Full load	
	EFFICIENCY (Typ.)	92.0%	93.0%
	AC CURRENT (Typ.)	0.75A/230V 50Hz 1.5A/115V 60Hz	
	INRUSH CURRENT (Typ.)	70A/230V (25℃)	
	LEAKAGE CURRENT	<0.75mA max (230C 50HZ)	
Protection	OVER CURRENT	2~1.6 times rated load (auto-recovery)	1.3~1.8 times rated load (auto-recovery)
	SHORT CIRCUIT	Hiccup mode auto-recovery	
	OVER VOLTAGE	16V Max	28V Max
		Protection mode: Turn off input voltage and restart	
Environment	WORKING TEMP.	-40~60℃	
	WORKING HUMIDITY	15~95% RH	
	STORAGE TEMP., HUMIDITY	-40~80℃, 10~95% RH	
	TEMP. COEFFICIENT	+/-0.05%/℃ (-10~45℃)	
	IP RATING	IP67	
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 30 min. each along X, Y, Z axes		
Safety&EMC	SAFETY STANDARDS	EN61347-1, EN61347-2-13	
	WITHSTAND VOLTAGE	I/P: 3.75KV DC O/P: 1KV DC 1min	
	ISOLATION RESISTANCE	I/P:-O/P, I/P-FG: 50M Ohm/500VDC/25℃/70%RH	
	EMC EMISSION	EN55015, Fcc par 15 ClassB	
	EMC IMMUNITY	EN61000-4-2、3、4、5、6、8、11; EN61547	
HARMONIC	EN61000-3-2 CLASS C (100%load)		
Others	MTBF	5 years MIL-HDBK-217F (50℃)	
	DIMENSION		
Note	1.All parameters NOT specially mentioned are measured at 230VAC, rated load and 25℃ of ambient temperature. 2.Tolerance : includes set up tolerance, line regulation and load regulation. 3.SETUP, RISE TIME is measured from 10% to 90% voltage 4.Safety and EMC design refer to EN61347-1、EN61347-2-13;TUV;CE Approved		

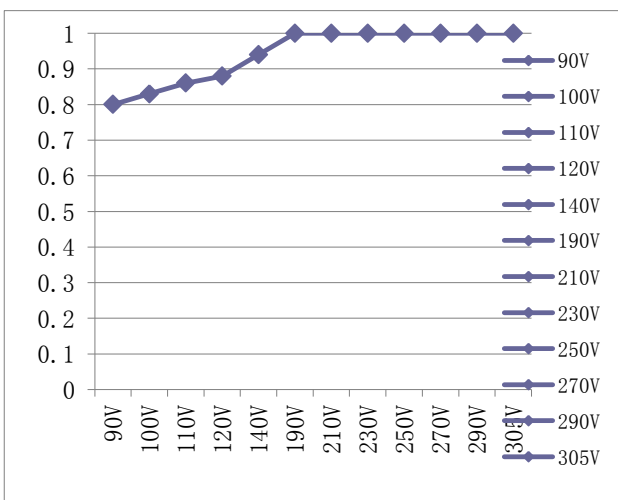
Dimensions(mm)



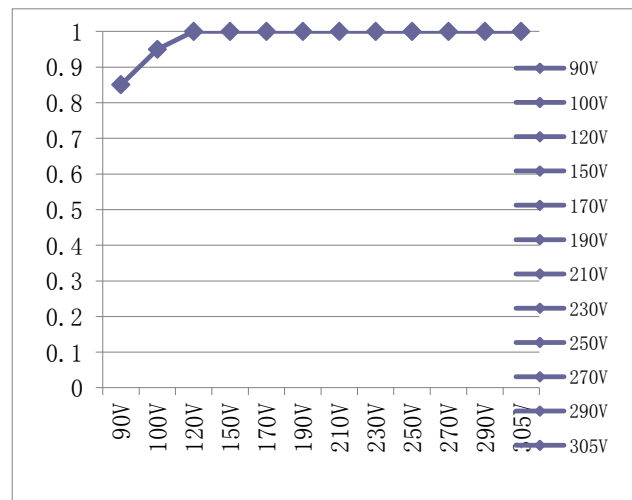
Wiring Diagram



Derating Curve



12V



24V