



LED POWER SUPPLY DATASHEET

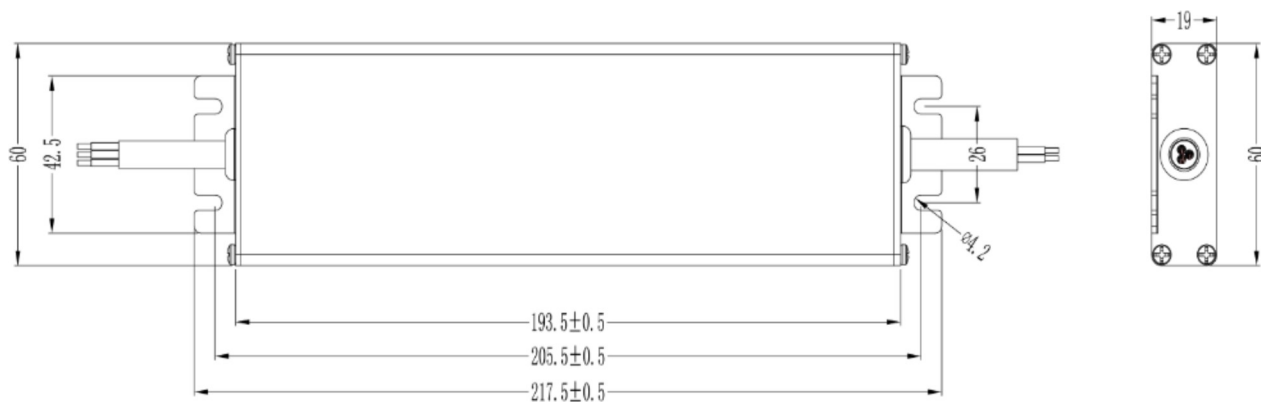
SPA150

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% (230V 50Hz)		93% (230V 50Hz)	
	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)		1.4～1.9 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.Note.5	-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 Note.4	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 ClssB			
	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.5				
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 5.Derating curves				

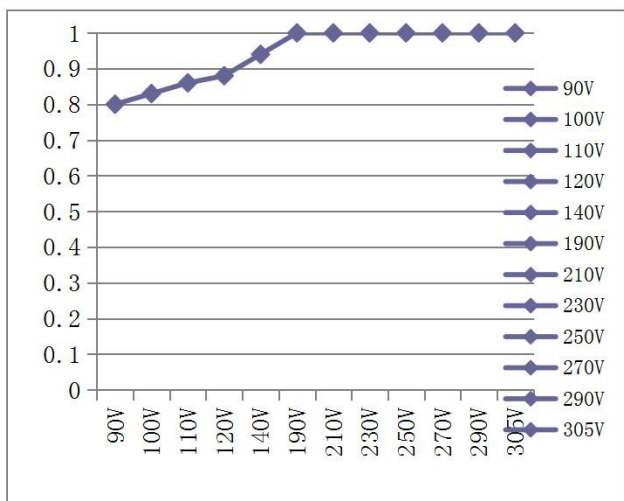
Dimensions(mm)



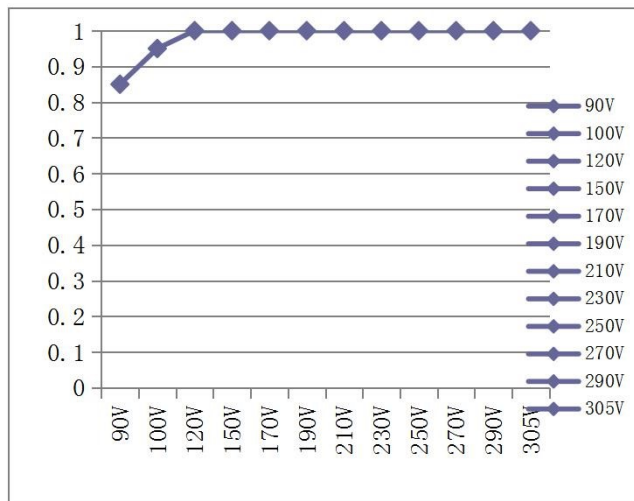
Wiring Diagram



Derating Curve



12V



24V