Constant Voltage LED Power Supply SPF60-12VSP





Standards

EN61347-1:2015 EN 61347-2-13:2014+A1 EN62493:2015 AS/NZS 61347.2.13 EN 61347-2-13:2014 +A1 EN61347-1:2015

consumption, and comprehensive protection functions, It not only greatly



Characteristics

Product description

factor, low standby power

SPF60-12VSP is an indoor constant

voltage LED driver, with an input voltage range of 220-240Vac and a maximum conversion efficiency of up to 87.5%,It operates in the temperature range of -20°C to+50°C natural cooling and

cooling casing, and has ultra-high power

improves product reliability, but also

ensures product life cycle. Comply with global lighting safety regulations, ensuring the safety of both users and lighting systems during installation.

- European AC input (220-240VAC)
- Waterproof Grade IP67
- Suitable for indoor environment
- Protections:

Short circuit Over load Open circuit

- Adopt plastic case and internal glue filling
- Compliance to worldwide safety regulations for lighting

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Specifications

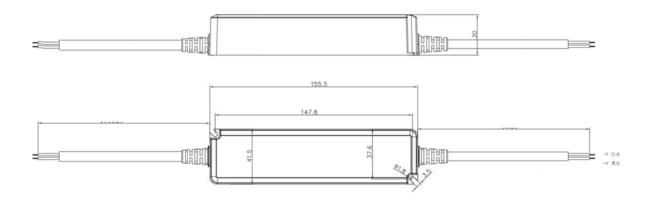
Model		SPF60-12VSP				
	turn on time(S)	<0.5				
	output power(W)	60				
	output voltage(V)	12				
	output voltage tolerance	≤±5%				
	ripple voltage(mV)	240				
	Line Regulation	3%				
	Load Regulation	3%				
	working current range(A)	0-5				
Dutput	SVM	≤0.4				
	Pst	≤1				
	dimming type	N/A				
	dimming range	N/A				
	rated DC supply voltage(Vdc)	-				
	rated supply voltage(Vac)	220-240				
	voltage range(Vac)	198-264				
	line frequency(Hz)	50/60				
	input current(A)	0.3				
	efficiency	87%@full load				
	average efficiency 3	≥87%				
	no load power consumption(W)	≤0.5W				
Input	power factor	0.98@full load				
	THD(typ.)	63-100% Load division harmonic				
	inrush current(lpk)	36A/230uS				
	Leakage current	<0.7mA				
	short circuit protection	hiccup mode, restart automatically after fault correction.				
rotection	over load protection	exceed maximum rated load times 1.2				
rotection	Over voltage protection	-				
	Over temperature protection	-				
	surge capacity	L-N: 1KV				
	Withstand voltage	Input-Output: 3750V/5mA/1min				
	Ta(℃)	-2050				
	Tc max.(℃)	max.85				
	Storage Temperature(°C)	-4080				
Ambient and Life	ambient humidity range	10%95%RH, Not condensing				
and the	nominal life-time(hrs)	50'000				



	dimensions (L×W×H)(mm)	155.5*41.5*30		
	weight(g)	344		
Other	casing material	Plastic		
	housing colour	White		
	type of protection	IP67		
	protection class	class II		
	certificate	CB CE ENEC		
Note	 Tolerance: includes set up tolerance, line regulation and load regulation. Tested at full load under 230Vac. Refer to "Power Factor" and "EFFICIENT" curve graphs. Calculate the model's average efficiency for each test voltage by testing at 100%, 75%, 50%, and 25% of rated current and then computing the simple arithmetic average of these four values. All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. 			



Dimensions (mm)



Wiring Diagram

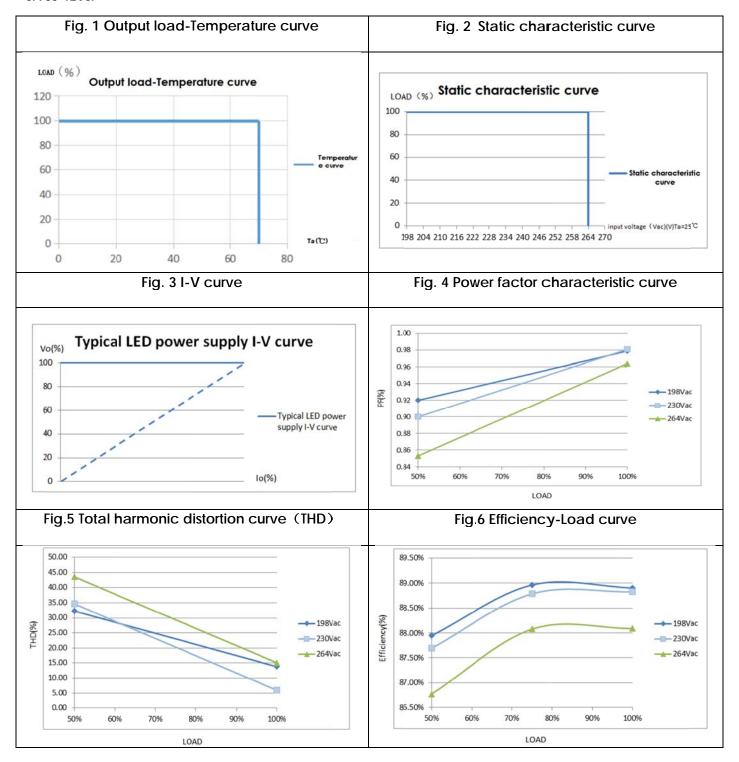


AC	SR AWM1015 18AWG*1 UL brown/blue (Multistrand tin plating) 105°600V L=150mm
DC	SR AWM1007 UL 16AWG*1 80°C 300V Red/Black SNP-023002



Electrical curves

SPF60-12VSP





MCBS

MCBS Model	B10	B13	B16	B20	C10	C13	C16	C20
SPF60-12VSP	8	11	13	17	14	18	23	28

Package

Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
SPF60-12VSP			

Revision history

Date	Rev.	Remark
2023.4.18	A1	Initial release.

