Constant Voltage LED Power Supply SPF35-12VSP





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

Product description

The SPF35-12VSP is a constant voltage IP67 LED driver power supply with an input voltage range of 220-240Vac and up to 86% conversion efficiency. It works in the temperature range of -20° C~+50° C natural cooling casing, has high power factor, low standby power consumption and all-round protection function. This not only greatly increases the reliability of the product, but also guarantees the product life cycle. This series of products is designed for LED lighting and is designed for indoor lighting. It is suitable for a wide range of applications in almost all indoor locations where LED luminaires can be installed. Comply with the world's lighting equipment safety regulations, while ensuring the safety of the user and the luminaire system during installation.

Characteristics

- European input voltage 220-240VAC
- IP67
- Suitable for indoor environment
- Short circuit/over load/open circuit protection
- Plastic case
- Compliance to worldwide safety regulations for lighting
- Warranty: 5 years

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Specifications

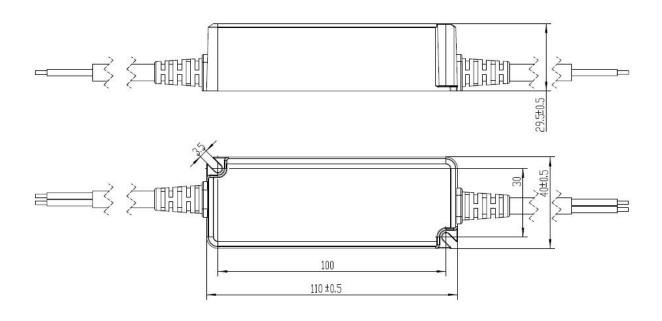
Model		SPF35-12VSP			
	turn on time(S)	<0.5			
	output power(W)	35			
	output voltage(V)	12			
	output voltage tolerance	≤±5%			
	ripple voltage(mV)	240			
	Line Regulation	3%			
	Load Regulation	3%			
Output	working current range(A)	0-2.9			
•	SVM	≤0.4			
	Pst	≤1			
	dimming type	N/A			
	dimming range	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)	0.18			
	efficiency	86%@full load			
	average efficiency 3	≥86%			
	no load power consumption(W)	≤0.5W			
Input	power factor	0.97@full load			
	THD(typ.)	60-100% loaded fractional harmonics			
	inrush current(Ipk)	21A/175∪S			
	Leakage current	<0.7mA			
	short circuit protection	hiccup mode, restart automatically after fault correction.			
Protection	over load protection	exceed maximum rated load times 1.2			
	Over voltage protection	-			
	Over temperature protection	-			
	surge capacity	L-N: 1KV			
	Withstand voltage	Input-Output: 3750V/5mA/1min			
	Ta(C)	-2050 (see fig1)			
	Tc max.(C)	max.80			
Ambient	Storage Temperature(C)	-4080			
and Life	ambient humidity range	10%95%RH, Not condensing			



	nominal life-time(hrs)	50'000			
	dimensions (L×W×H)(mm)	110*40*29.5			
	weight(g)	228			
Other	casing material	Plastic			
UU .	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,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

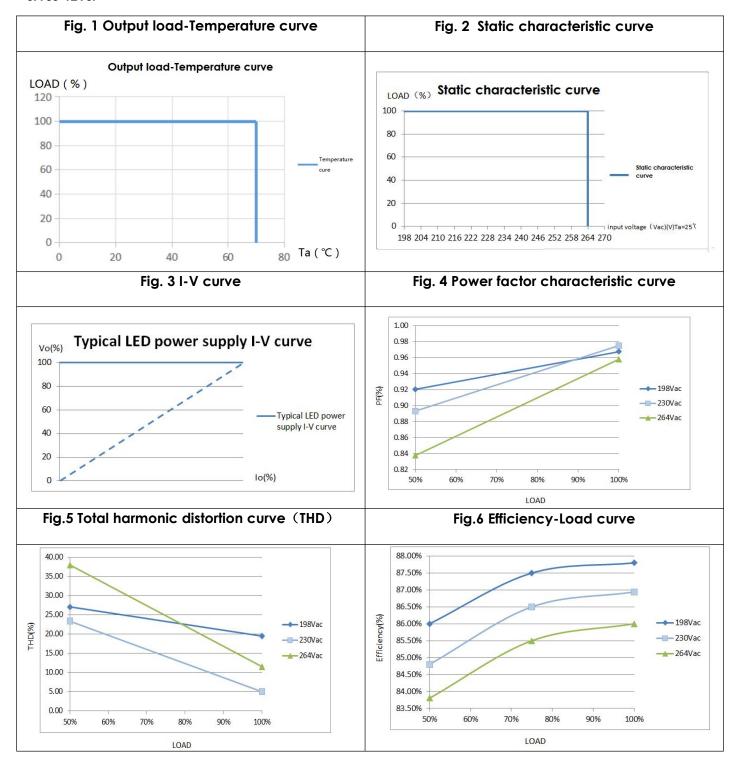


AC	SR AWM1015 18AWG*1 UL brown/blue 105°600V L=150mm	
DC	SR AWM1007 UL 16AWG*1 80°C 300V red/black SNP-023002	



Electrical curves 曲线

SPF35-12VSP



MCBS Model	B10	B13	B16	B20	C10	C13	C16	C20
SPF35-12VSP	10	13	17	21	17	23	29	36

Package

Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
SPF35-12VSP			

Revision history

Date	Rev.	Remark
2023.3	A1	Initial release.

