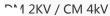


Indoor LED Power Supply

Features



- . European AC input / (220-240VAC)
- . Built-in active PFC function
- . IP20
 - . Suitable for dry environment
- . Protections: Short circuit / Over voltage / Over temperature
- . Adopt plastic shell and internal glue potting
- . Built in lightning protection device can meet the requirements of

















mpliance to worldwide safety regulations for lighting

Description:

SS150 series is an indoor constant voltage power supply. Its input voltage range is 220-264Vac, with the high efficiency up to 90%, fanless design, working in the temperature range of - 20 ° C to + 45 ° C under free air convection. It has ultrahigh power factor, ultra-low total harmonic distortion, low standby power consumption, with all-round protection functions such as lightning protection and waterproof function, which not only greatly improves the reliability of the product, but also ensures the life cycle of product. This series are designed for LED lighting such as road lighting, floodlights, stage lighting and advertising lights etc, suitable in almost all kinds of applications where LED lamps can be installed. The product designed completely in accordance with world's lighting equipment safety regulations to ensure the safety of both user and luminaire system during installation.

Model

Model	kutput voltage	Output current	Max. Output power	Current tolerance	Total harmonic distortion (Typ.)	Power factor (Typ.)	Efficiency (Typ.)
SS150-12VL	12V	0-11A	132W	±5%	4%	0.95	90%
SS150-24VL	24V	0-6.25A	150W	±5%	4%	0.95	92%

Remark: All parameters NOT specially mentioned are measured at 230VAC input, full load and 25 °C of ambient temperature



Indoor LED Power Supply

Input

Parameter	Min. value	Typical	Max.	Note
		value	value	
Rated input voltage	220 Vac		240Vac	
Input voltage	198 Vac		264Vac	The derating curve is shown in the figure
Input frequency	47Hz		63Hz	
Max. Input current			0.5A	230Vac , Full Load
Input inrush current			60A	230Vac/50Hz , Cold Start
Power factor	0.96	0.97		230Vac , Full Load
Total harmonic input		4%	5%	230Vac , Full Load
Leakage current			0.7mA	230Vac/50Hz , Full Load
Stand-by power consumption		0.4W	0.5W	230Vac/50Hz , No Load

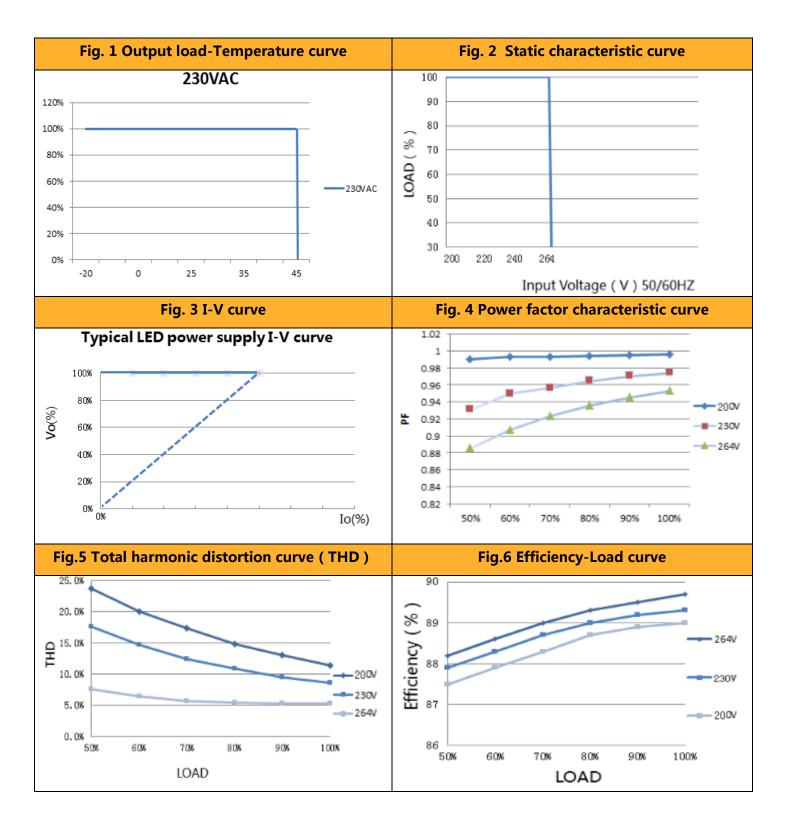
Output

Parameter	SS150-12VL	SS150-24VL	Note
	12VDC	24VDC	
Output voltage			
Rated output current	11A	6.25A	
Output current	0-11A	0-6.25A	
Rated output power	132W	150W	
Rated output efficiency	90%	92%	230Vac
Output current tolerance	±!	5%	
Output voltage ripple (PK-PK)	±3%		Full load (Test under 20M
Output current ripple (PK-PK)			bandwidth)
Rise time	100	OmS	230Vac
Startup time	Startup time 300		230Vac
Line regulation	Line regulation ±1		full load
Load regulation	±1%		



Indoor LED Power Supply

Characteristic curve





Indoor LED Power Supply

Protection

Parameter		Conditions	Note	
Over load			Recover	
		1.1 ~ 1.6 times rated load	automatically	
			when cancel	
			overload	
			Hiccup mode,	
Protection	Short circuit	Short circuit power≤0.5W	auto-recovery	
			after short circuit	
			removed	
	Over voltage	1.5 times of rated output voltage	Turn off input	
			voltage and restart	
Over			Turn off input	
temperature		110℃	voltage and restart	
			when temp drop	
			to normal	

Environment Requirement

Parameter	Min.	Тур.	Max.	Note
Working temp.	-20℃	25°C	+45°C	See Fig.2
Storage temp.	-40°C	25°C	+85°C	
Working humidity	10%RH		90%RH	
Storagehumidity	5%RH		95%RH	
IP grade			IP20	
Cooling mode	Natural cooling			



Indoor LED Power Supply

Safety&EMC standard

Certificate		Safety standards	Certification	Note
UL/CUL		-		
Т	·UV	EN61347-1:2015		
		EN 61347-2-13:2014+A1		
		EN62493:2015		
S	AA	AS/NZS 61347.2.13		
C	CCC			
	C.F.	EN 61347-2-13:2014 +A1		
1	CE	EN61347-1:2015		
Safet	ty test	Technical indexes	Ne	ote
	Input to	3750Vac/5mA	Reinforced in	sulation, no
	output	Max/60s	breakdown, r	no flashover
Dielectric	Primary to		Basic insulati	on, no
strength	ground		breakdown, r	no flashover
	Secondary		Functional in	sulation, no
	to ground		breakdown, r	no flashover
Insulation	Input to	≥10MΩ	Test volta	ige : 500Vdc
resistance	output			
Grounding resis	tance		25A/	′1min
Leakage current		≤0.75mA	264	lVac
EMI/EMS item		Standards	Ва	sis
Conduction CE		EN55015		
Radiation RE		EN55015		
Harmonics		EN IEC 61000-3-2	Cla	ss C

Others

Parameters	Condition	note
Lifetime	30,000 hours	230Vac , full load, TC. 75℃
MTBF	200,000hours	230Vac, full load, 25°C(MIL-HDBK-217F)
TC	90℃	
Warranty	3 years	
Weight	520g	
Dimensions	179.4mm*62.5mm*30.6mm	L x Wx H



Indoor LED Power Supply

Mechanical Specification (Unit:mm)

