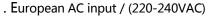
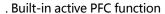


#### **Indoor LED Power Supply**







- . IP20
- . Suitable for dry environment
- . Protections: Short circuit / Over voltage / Over temperature
- . Adopt plastic shell and internal glue potting
- . Compliance to worldwide safety regulations for lighting
- . 5 years warranty





#### **Description**:

SS30 series is an indoor constant voltage power supply. Its input voltage range is 220-240Vac, with the high efficiency up to 88%, 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 , which not only greatly improves the reliability of the product, but also ensures the life cycle of product. This series of products is designed for LED lighting used in indoor applications. 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	Output voltage	Output current	Max. Output power	Current tolerance	Power factor (Typ.)	Efficiency (Typ.)
SS30-12VF	12V	0-2.5A	30W	±5%	0.95	86%
SS30-24VF	24V	0-1.25A	30W	±5%	0.95	87%
SS30-48VF	48V	0-0.625A	30W	±5%	0.95	88%

**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
input voitage				shown in the figure
Input frequency	47Hz		63Hz	
Max. Input current			0.17A	230Vac , Full Load
Input inrush current			30A	230Vac/50Hz , Cold
input infusii current				Start
Power factor	0.96	0.97		230Vac , Full Load
Total harmonic input		8%	10%	230Vac , Full Load
Leakage current			0.7mA	230Vac/50Hz , Full Load
Stand-by power		0.4W	0.5W	230Vac/50Hz , No Load
consumption				

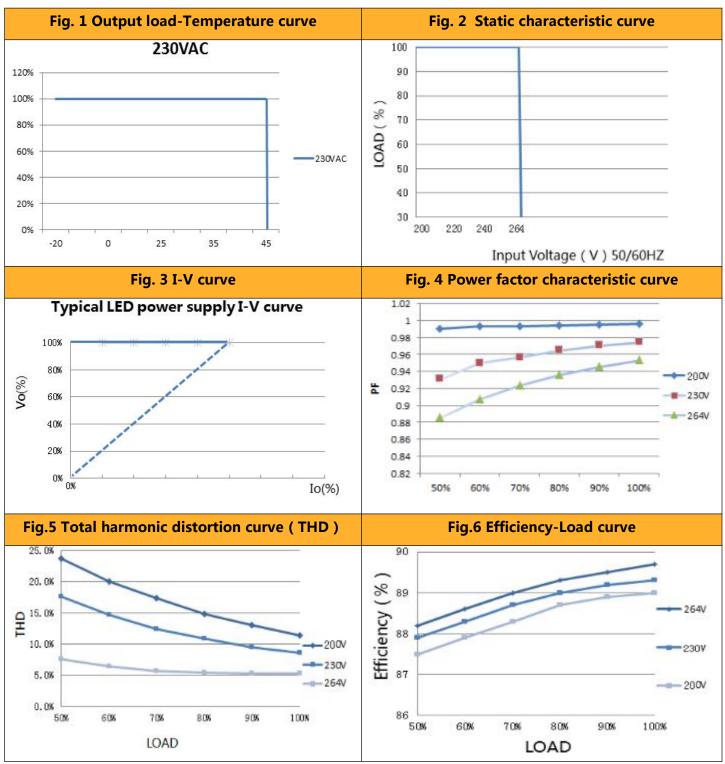
### **Output**

Parameter	SS30-12VF	SS30-24VF	SS30-48VF	备注
	12.0VDC	24.0VDC	48.0VDC	The maximum
Output voltage				output power shall
				meet
				Po=Vo*Io=30W
Rated output current	2.5A	1.25A	0.625A	
Output current	0-2.5A	0-1.25A	0-0.625A	
Rated output power	30W	30W	30W	
Rated output efficiency	86%	87%	88%	230Vac
Output current		±5%		
tolerance				
Output voltage ripple ( PK-		±3%		Full load (Test
PK)				under 20M
				bandwidth)
Output current ripple ( PK-			Full load (Test under	
PK )			20M bandwidth)	
Rise time	100mS		230Vac	
Startup time	300mS		230Vac	
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	
		$1.1 \sim 1.6$ 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°C	25°C	+45°C	See Fig.2
Storage temp.	-40℃	25°C	+85℃	
Working humidity	10%RH		90%RH	
Storage humidity	5%RH		95%RH	
IP grade			IP20	
Cooling mode	Na	tural cooling		



## **Indoor LED Power Supply**

### Safety&EMC standard

Certificate		Safety standards	Certification	Note	
UL/CUL			Certification	11010	
TUV		EN61347-1:2015			
		EN 61347-2-13:2014+A1	V		
		EN62493:2015	V		
S	AA	AS/NZS 61347.2.13			
C	CC				
	<b></b>	EN 61347-2-13:2014 +A1	,		
(	CE	EN61347-1:2015	√		
Safet	y test	Technical indexes	N	ote	
	Input to	3750Vac/5mA	Reinforced ir	sulation, no	
	output	Max/60s	breakdown, ı	no flashover	
Dielectric	Primary to		Basic insulati	on, no	
strength	ground		breakdown, i	no flashover	
	Secondary		Functional in	sulation, no	
	to ground		breakdown, ı	no flashover	
Insulation Input to		≥10MΩ	Test volta	ige : 500Vdc	
resistance	output				
Grounding resis	tance		25A/	25A/1min	
Leakage current		≤0.75mA	264	lVac	
EMI/EMS item		Standards	Ba	ısis	
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	5 years	
Weight	250g	
Dimensions	154mm * 50mm * 14mm	L x Wx H



### **Indoor LED Power Supply**

### **Mechanical Specification (Unit:mm)**

