Constant Voltage LED Power Supply

SL30-12VF SL30-24VF SL30-48VF





Product description

SL30-12/24/48VF is an indoor constant voltage power supply. Its input voltage range is 198-264Vac, with the high efficiency up to 87%, fanless design, working in the temperature range of - 20 ° C to + 45° C under free air convection. It has ultra-high 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 designed for LED lighting, applied to indoor lighting design, has a high cost performance.

Standards

EN61347-1 EN61347-2-13 EN61547 EN55015 EN61000-3-2 EN62493

www.snappy.cn Last update: 29 March 2023

Characteristics

- European AC input(220-240VAC)
- Built-in active PFC function
- IP20
- Suitable for dry indoor environment
- Protections: Short circuit / Over voltage / Over temperature/Over load
- Adopt plastic case and internal glue filling
- Compliance to worldwide safety regulations for lighting
- 5 years warranty



Specifications

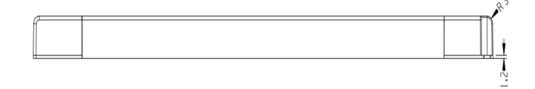
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THD(typ.) THI inrush current Leakage curr short circuit pover load pro	r	0.95@230Vac, full load					
inrush current Leakage curr short circuit p	nt factor	0.95					
Leakage cur short circuit p over load pro	D	10%					
short circuit pover load pro	t(Ipk)	30A/162uS@50%					
over load pro	rent (mA)	0.75mA@240Vac 60Hz					
	protection	hiccup mode, restart automatically after fault correction.					
Over voltage	otection	hiccup mode, restart automatically after fault correction.					
	protection	hiccup mode, restart automatically after fault correction.					
Protection Over temper protection	ature	hiccup mode, restart automatically after fault correction.					
surge capac	ity		L-N: 1KV				
Withstand vo	ltage	Input-Output: 3750V/5mA/1min					
Ta(C)		-2045(See derating curve)					
Tc max.(C)		max.85					
Ambient and Life Storage Tem	perature(C)	-40+85℃					
ambient hum	nidity range	10%90%RH, Not condensing					
nominal life-t		50'000@Ta					

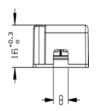


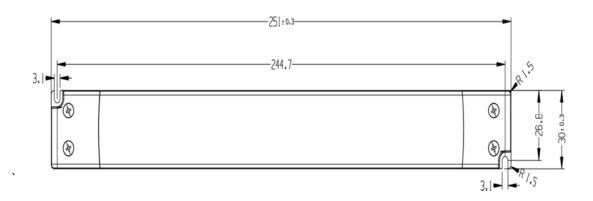
	dimensions (L×W×H)(mm)	251mm×30mm×16mm				
	weight(g) 115±5g					
Other	casing material	plastics				
	housing colour	white				
	type of protection	IP20				
	protection class	Class 2				
	certificate					
Note	1.Tolerance:includes set up tolerance, line regulation and load regulation. 2.Tested at full load,230Vac.Refer to"Power Factor" and "EFFICIENT"curve graphs. 3.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. 4.All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature. 5.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.					



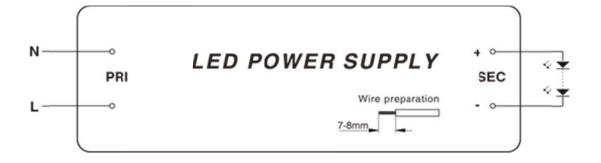
Dimensions(mm)







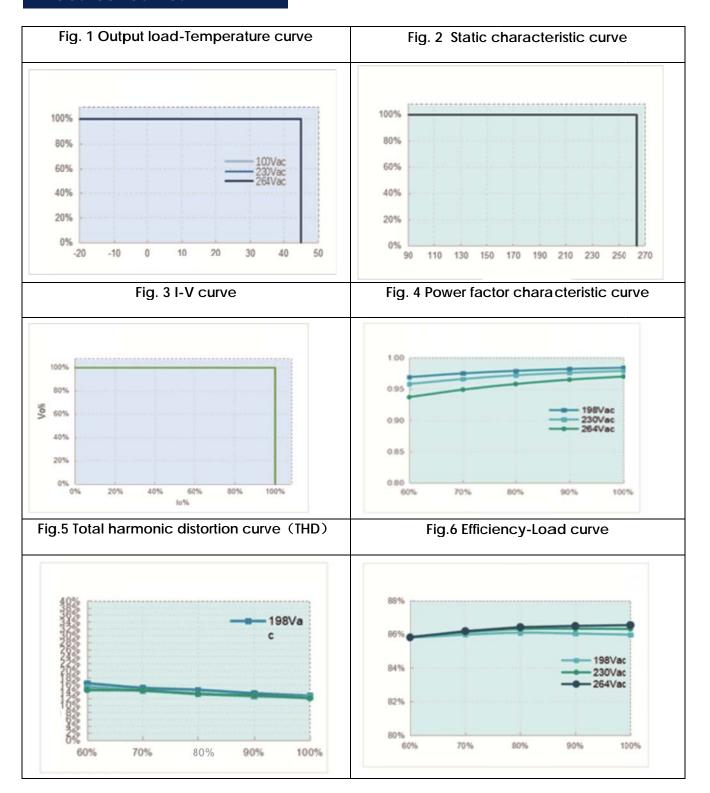
Wiring Diagram



AC	Connector: H03VVH2-F 2×0.75mm ²
DC	Connector: H05VVH2-F 2×1.0mm ²



Electrical curves





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MCBS

MCBS Model	B10	B13	B16	B20	C10	C13	C16	C20
SL30-12VF	22	28	35	44	27	36	44	55
SL30-24VF	22	28	35	44	27	36	44	55
SL30-48VF	22	28	35	44	27	36	44	55

Package

Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
SL30-12VF			
SL30-24VF			
SL30-48VF			

Revision history

Date	Rev.	Remark
2023.3.23	A1	Initial release.

