

Constant Voltage LED Power Supply

SLT75-12VFC-UN
SLT75-24VFC-UN



Product description:

This LED power input voltage of 120-240VAC, the output constant voltage 12V or 24V, for load parallel voltage LED. This LED power supply shape slim and thin. LED power supply has open circuit, short circuit, overload or over temperature protection function, troubleshooting, the power will automatically restart.



Standards:

EN61347-1
EN61347-2-13
EN61547
EN55015
EN61000-3-2
EN61000-3-3
EN62384
EN62493
UL8750
UL1310
FCC15B

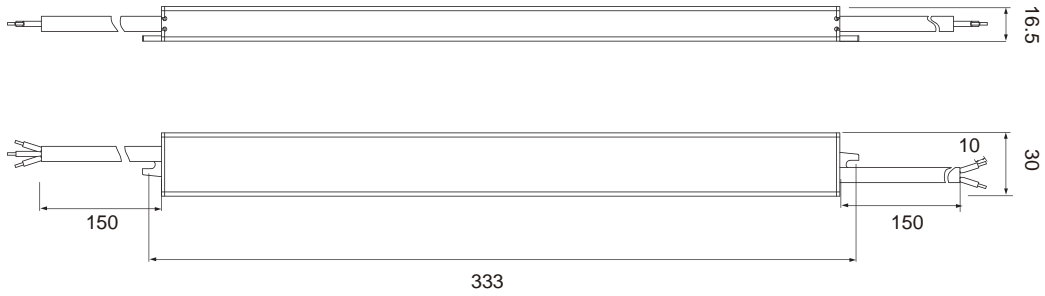
Characteristics:

- The standard requirements to meet EN60335-2-89;
- Power section is divided into 30W,75W and output voltage have 12V and 24V;
- Surge level, according to EN61000-4-5 :level 4 L, N: 2000V, L, N-PE: 4000V
- Metal case for indoor or outdoor installation
- Suitable for class I luminaire
- Suitable for dry/damp/wet locations
- Class 2 power unit
- Efficiency:91.2% (AC230V , full load)
- Life to meet the 5-year warranty requirements, failure rate to meet 0.1% / 1000h

Specifications:

Model	SLT75-12VFC-UN		SLT75-24VFC-UN	
Output	turn on time(S)	< 0.5		< 0.5
	output power(W)	60@120Vac ,75@220-240Vac		75
	output votage(V)	12		24
	output voltage tolerance ¹	+/-5%		+/-5%
	ripple voltage(mV)	400(Vp-p)		600(Vp-p)
	working current range(A)	0-6.25		0-3.125
	dimming interface	No		
	dimming range	n/a		
Input	rated supply voltage(Vac)	120-240Vac		120-240Vac
	voltage range(Vac)	108-264Vac		108-264Vac
	line frequency(Hz)	50/60		50/60
	input current(mA)	600mA@120Vac,400mA@230Vac		700mA@120Vac,400mA@230Vac
	efficiency ²	90.7%		91.2%
	average efficiency ³	86.4%		86.6%
	no load power consumption(W)	<0.5		<0.5
	power factor ²	0.95		0.95
	inrush current(lpK)	21.2A/129us		21.2A/129us
Protection	over voltage protection	YES		
	short circuit protection	YES		
	over temperature protection	YES		
	automatic restart	YES		
	over load protection	YES		
	surge capacity	L-N: 2KV L,N-PE: 4KV		
Ambient and Life	Ta(°C)	-20...50		-20...50
	Tc max.(°C)	75		75
	Storage Temperature(°C)	-30...80		
	ambient humidity range	5%...85%RH, Not condensing		
	nominal life-time(hrs)	50'000@Tc=75 C		
	guarantee(years)	5		
	MTBF(hrs)	100'0000		
Other	audible noise(dB)	<25dBA		
	weight(g)	230		
	dimensions (LxWxH)(mm)	333x30x16.5		
	casing material	Aluminum		
	housing colour	Silver		
	type of protection	IP67		
Note	protection class	Class I		
	<p>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 erage 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."</p>			

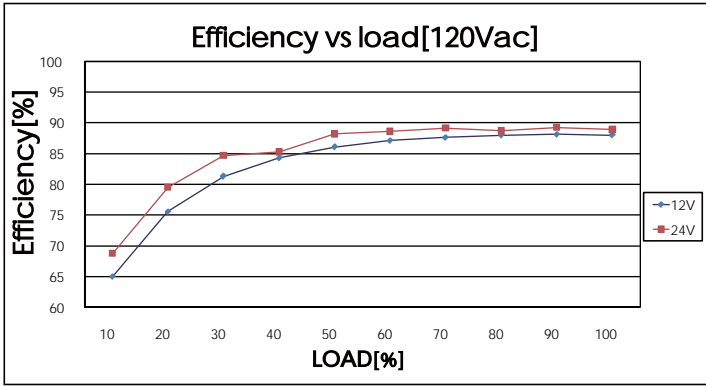
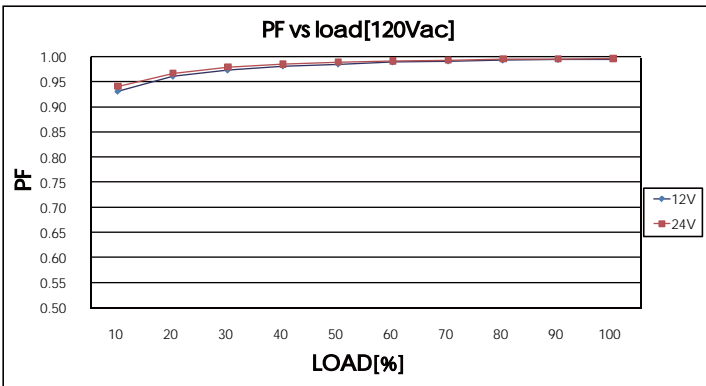
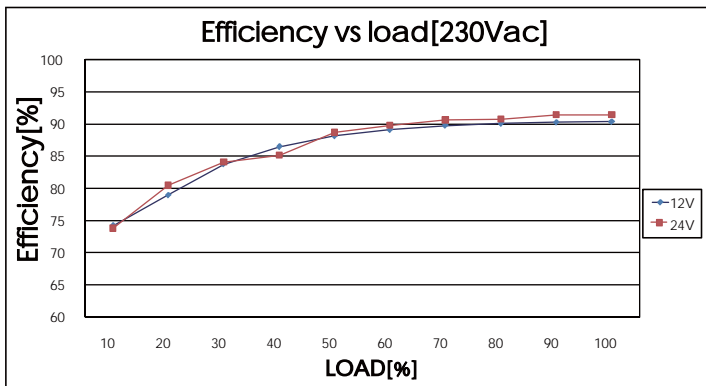
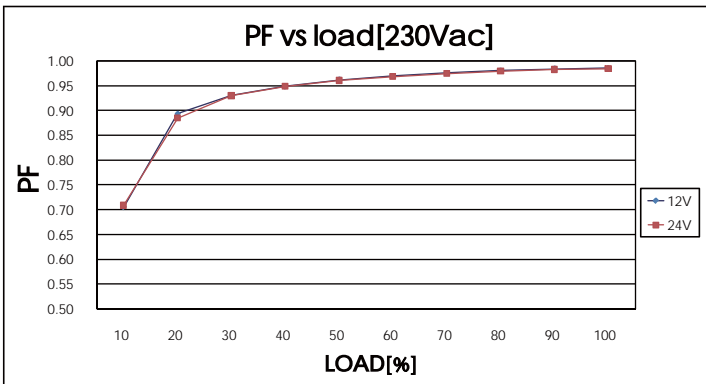
Dimensions: mm



Wiring diagram:



Electrical curves:



note
For constant current power supply, "LOAD" means the percentage of the maximum rated output voltage.
For constant voltage power supply, "LOAD" means the percentage of the maximum rated output current.



MCBS information:

Miniature circuit breaker Model Model	B10	B13	B16	B20	C10	C13	C16	C20
SLT75-12VFC-UN	12	16	20	25	21	25	34	42
SLT75-24VFC-UN	12	16	20	25	21	25	34	42

Order information:

Order.No.	Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
1001-910067-0130	SLT75-12VFC-UN	50	540x420x255	15.6
1001-910069-0130	SLT75-24VFC-UN	50	540x420x255	15.6

Sales & Technical Support:

SELF Electronics Co.,Ltd.(Headquarters)

Add: No. 1345 JuXian Road, Ningbo Hi Tech Park, Ningbo, China 315103
 Phone: +86-574-2880-5765, +86-574-2880-5658 (for English assistance)
 +86-574-2880-5678 (for Chinese assistance)
 Fax: +86-574-28805656
 E-mail: sales@self-electronics.com
<http://www.self-electronics.com>

SELF Electronics Co.,Ltd.,Shenzhen Office

Add: Room2007, Xinglang Xuan, Xinghemingju, Fuming Rd.,
 Futian District, Shenzhen
 Tel: +86-755-8355-8850
 Fax: +86-755-8355-8840
 E-mail: szsales@self-electronics.com

SELF Electronics Germany GmbH

August-Horch-Str. 7, 51149 Cologne
 Phone: +492203-18501-0
 Fax: 492203-18501-199
 E-mail: saleseu@self-electronics.com

*Due to continuous improvements and innovations, specifications are subjected to change without notice.