

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

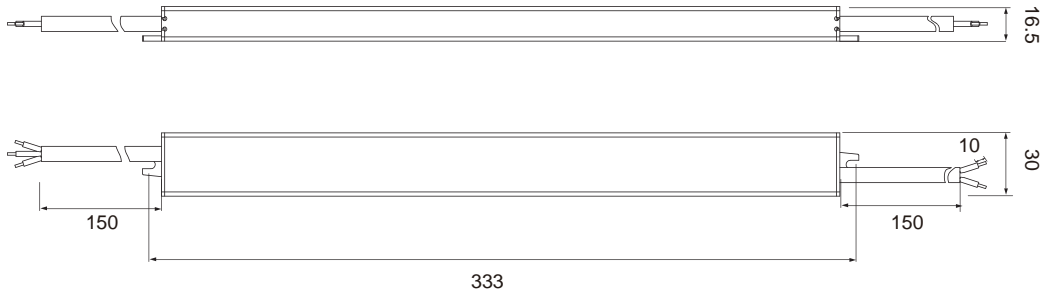
Characteristics:

- 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 voltage(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	
protection class	Class I		
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 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."		

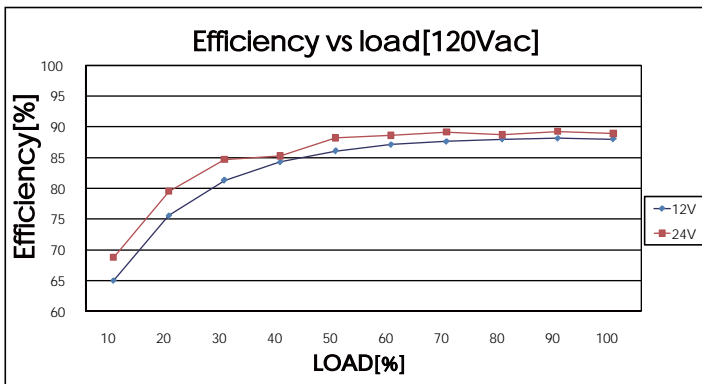
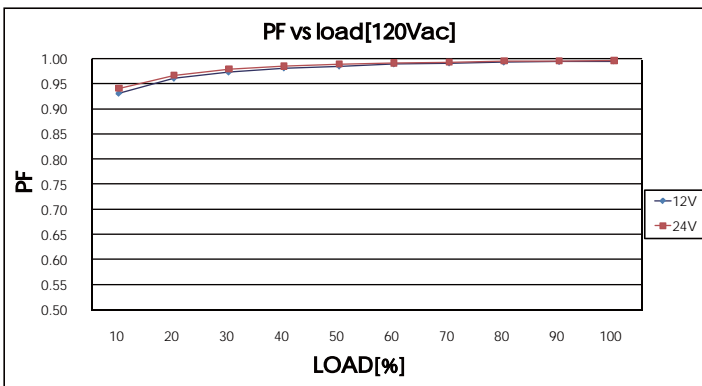
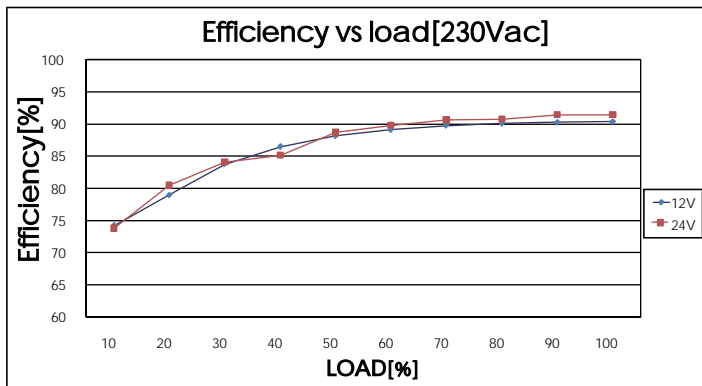
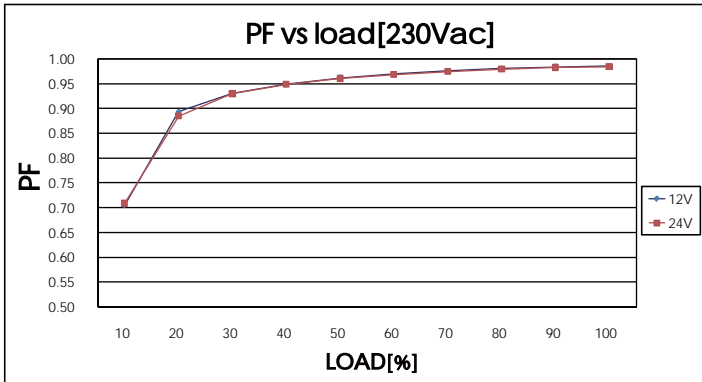
Dimensions: mm



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:

Model Carton	quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
SLT75-12VFC-UN	50	540x420x255	15.6
SLT75-24VFC-UN	50	540x420x255	15.6

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