

Constant Voltage Fixed Ultrathin Series

SLT100-24VFC-UN



Product description:

This type of power supply is an exclusively designed stabilized power supply for LED lamp. With constant current (CV) technology, it is suitable for constant voltage lamps (12/24V), connected in parallel. 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
Comply with EN60335

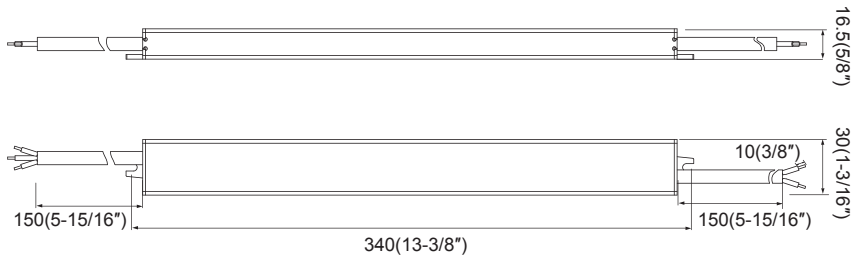
Characteristics:

- Independent power supply for constant voltage LED lamp
- Metal case with protection ground can be used outdoor or indoor
- Meet L-N 2kV and L-PE/N-PE 4kV surge immunity level
- Suitable for class I luminaire
- Suitable for dry/damp/wet locations
- Class 2 power unit
- Comply with EN60335 can be used in commercial freezer and refrigerator
- Open circuit, short circuit, over load and over temperature protection
- Auto restart after fault conditions removal
- warranty: 5 years

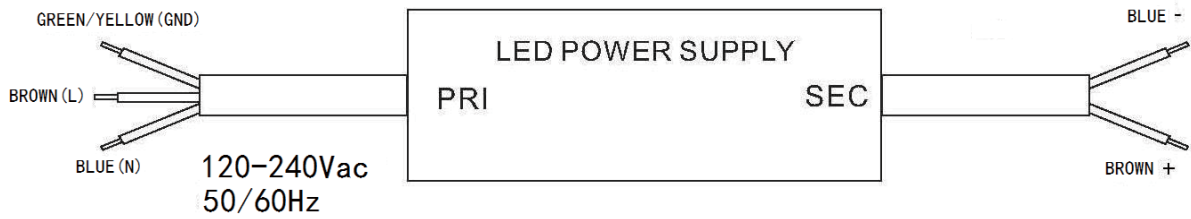
Specifications:

Model	SLT100-24VFC-UN	
Output	turn on time(S)	≤0.5
	output power(W)	100
	output voltage(V)	24
	output voltage tolerance ¹	+/-5%
	ripple voltage(mV)	600(Vp-p)
	working current range(A)	0-3.125(for 120V)/ 0-4.17(for 220-240)
	dimming interface	No
	dimming range	n/a
Input	rated supply voltage(Vac)	120-240
	voltage range(Vac)	108-264
	line frequency(Hz)	50/60
	input current(mA)	700
	efficiency ²	90.0%
	average efficiency ³	88%(120V)/90%(230V)
	no load power consumption(W)	≤0.5
	power factor ²	0.95
	inrush current(Ipk)	46A/180us
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
	Tc max.(°C)	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)	340x30x16.5
	casing material	Aluminum
	housing colour	Silver
	type of protection	IP67
protection class	Class I	
Note	<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 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."</p>	

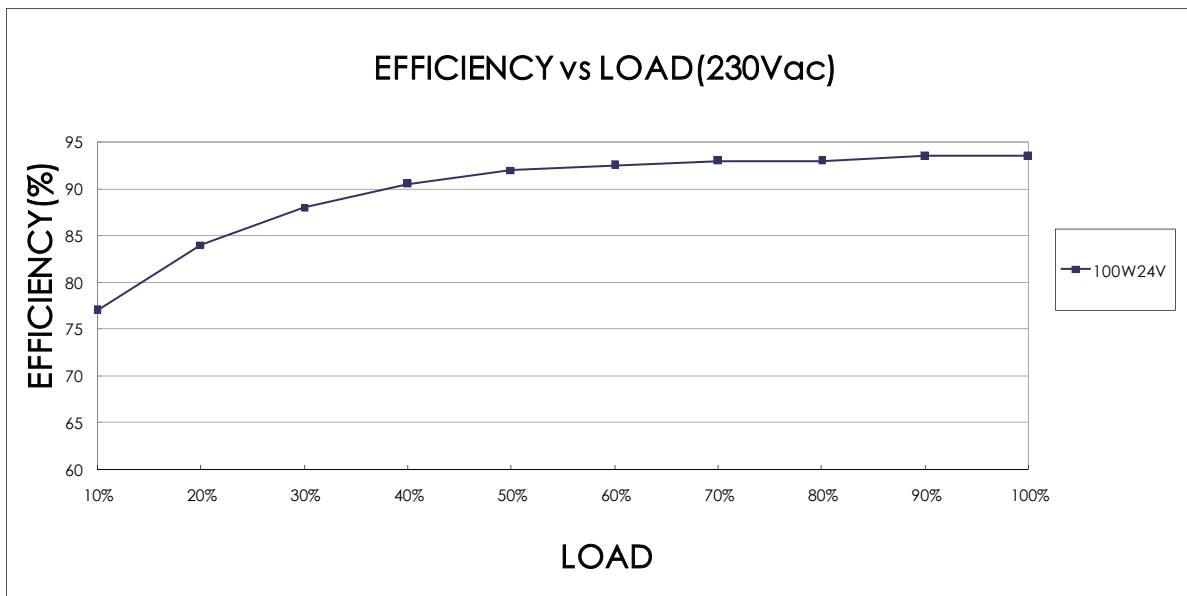
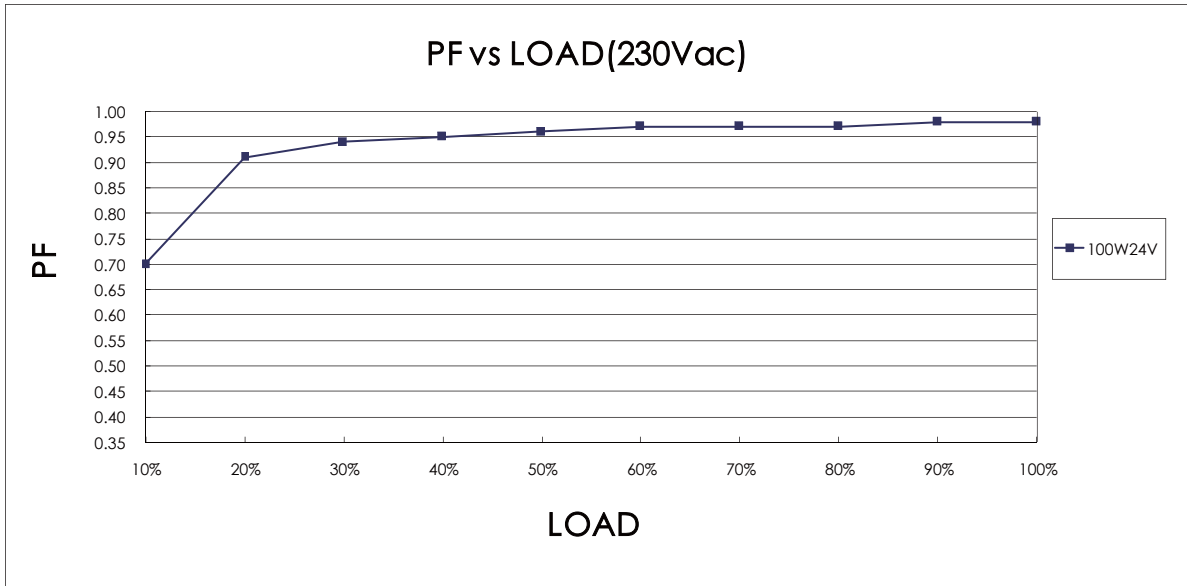
Dimensions: mm



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
SLT100-24VFC-UN	7	10	12	15	12	15	20	25

Order information:

Order.No.	Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
1001-910072-0130	SLT100-24VFC-UN	50	540x420x255	12.5

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