

# Constant Voltage LED Power Supply

SLT150-24VLG-E

SLT150-48VLG-E



## Product description:

This type of power supply is an exclusively designed stabilized power supply for LED lamp. With constant voltage (CV) technology, it is suitable for constant voltage lamps (24/48V DC) connected in parallels. As an advantage of constant voltage (CV) technology, a switch can be installed between secondary side and lamps.

The built-in protection circuit will shut down the power supply in case of such faults as: open circuit, short circuit, over load.

The power supply will restart automatically after fault correction expect OTP.

In Over Temperature Protection, the power supply will shut down in case of interior or exterior temperature exceed, after temperature goes down, this fault can be eliminate with re-power.

## Standards:

EN61347-1

EN61347-2-13

EN61547

EN55015

EN61000-3-2

EN61000-3-3

EN62384

EN62493

comply with EN60335-1,-2-24,-2-89

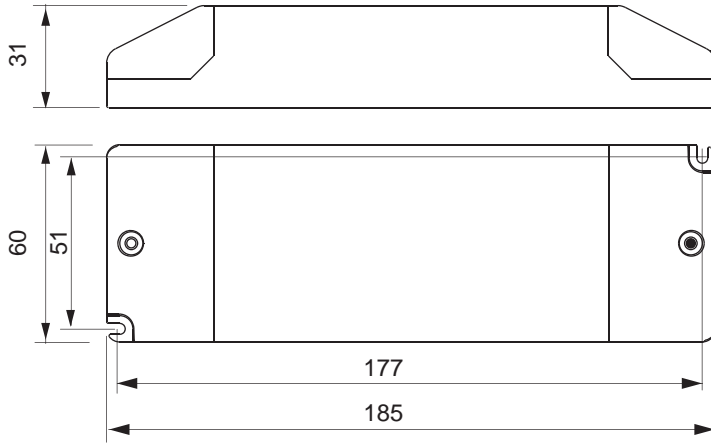
## Characteristics:

- Independent power supply for constant voltage LED lamp
- Class II protection against electric shock from direct and indirect contact
- Start-up time  $\leq 0.5s$
- No load power consumption  $\leq 0.5W$
- Meet L-N 1KV surge immunity level
- Open circuit, short circuit, over load and over temperature protection
- Auto restart after removal of fault conditions (except OTP)
- Class I and II lamp application
- ECO design, comply with ERP directives
- Warranty : 5 Years

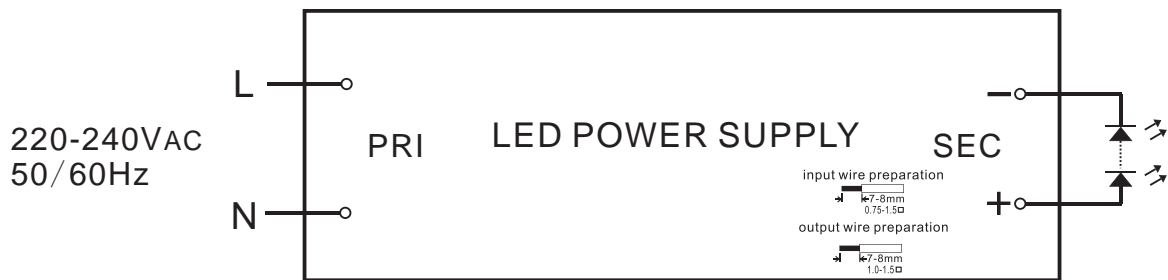
## Specifications:

Model	SLT150-24VLG-E	SLT150-48VLG-E	
Output	turn on time(S) <sup>1</sup>	0.5	0.5
	output power(W) <sup>1</sup>	150	150
	output votage(V)	24	48
	output voltage tolerance <sup>2</sup>	±3%	±3%
	ripple voltage	450	600
	working current range(A)	0-6.25	0-3.12
	output safety rating	SELV	SELV
	dimming interface	Allowed PWM controller, up frequency to 4.5KHz, without audio noise	
	dimming range	n/a	
Input	rated supply voltage(Vac)	220-240	220-240
	voltage range(Vac)	198-264	198-264
	line frequency(Hz)	50/60	50/60
	input current(mA)	0.8A	0.8A
	efficiency <sup>3</sup>	93.0%	93.0%
	average efficiency <sup>4</sup>	92.5%	92.4%
	no load power consumption(W) <sup>1</sup>	≤0.5W	≤0.5W
	power factor <sup>3</sup>	0.95	0.95
	THD <sup>3</sup>	≤10%	≤10%
inrush current(Ipk)	120A/200uS	120A/200uS	
Protection	input over voltage protection	320V1h	
	short circuit protection	YES	
	over temperature protection	YES	
	over load protection	YES	
	automatic restart	Yes,expect OTP	
	surge capacity	L-N: 1KV	
Ambient and Life	Ta(°C)	-20...45	-20...45
	Tc max.(°C)	90	90
	nominal life-time(hrs)	50000h@Tc	50000h@Tc
	Storage Temperature(°C)	-30...80	
	ambient humidity range	5%...85%, Not condensing	
Other	weight(g)	460	
	dimensions (LxWxH)(mm)	185x60x31	
	casing material	Plastic	
	housing colour	White housing+blue end cap	
	connecting method	Terminal block	
	type of protection	IP20	
	protection class	ClassII	
Note	1. At 230Vac,50Hz,full load. 2. Tolerance:includes set up tolerance,line regulation and load regulation. 3. At 230Vac,50Hz,full load.Refer to EFFICIENT Power Factor and THD curve graphs. 4. 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.		

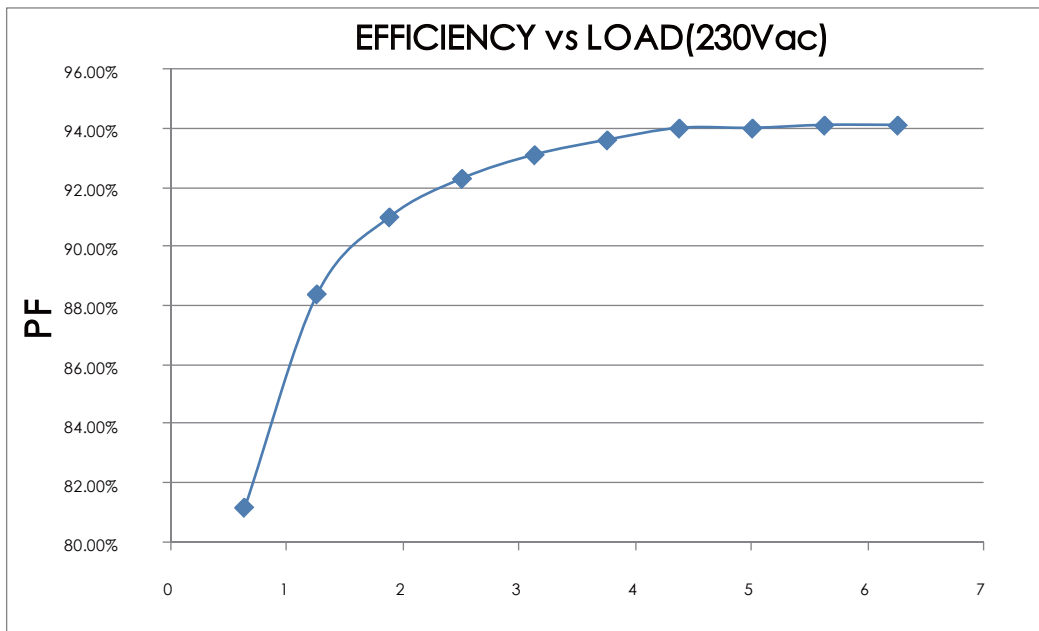
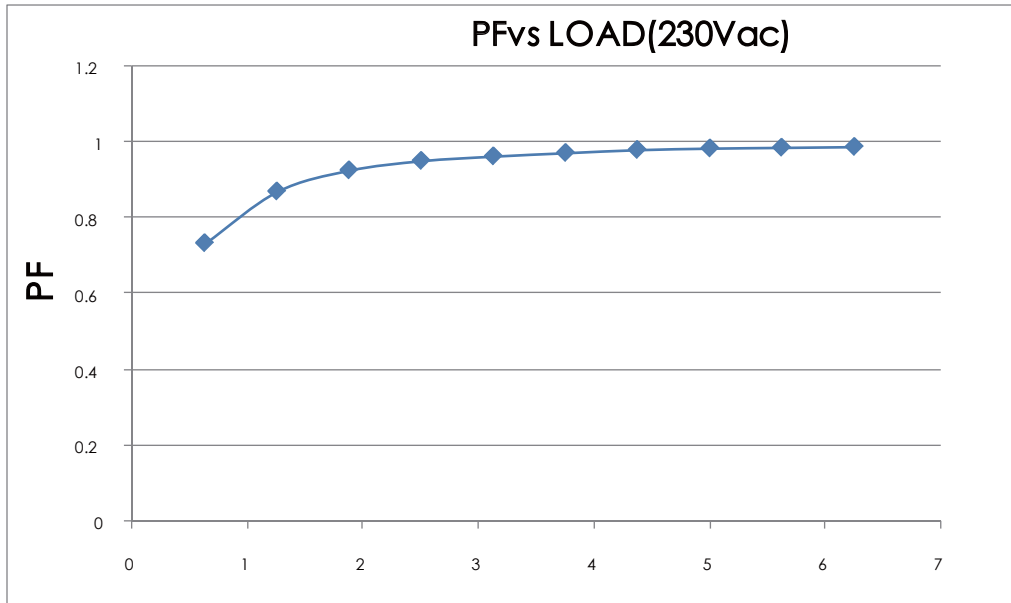
Dimensions(mm):



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	B10	B13	B16	B20	C10	C13	C16	C20
SLT150-12VLG-E	4	5	6	7	6	7	10	12
SLT150-24VLG-E	4	5	6	7	6	7	10	12

## Order information:

Order.No.	Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
1001-610166-0131	SLT150-12VLG-E	30	340x210x235	15
1001-610167-0131	SLT150-24VLG-E	30	340x210x235	15

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