

# Constant Voltage LED Power Supply

## SLT60-48VFG-UN



### 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 (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.

### Standards:

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

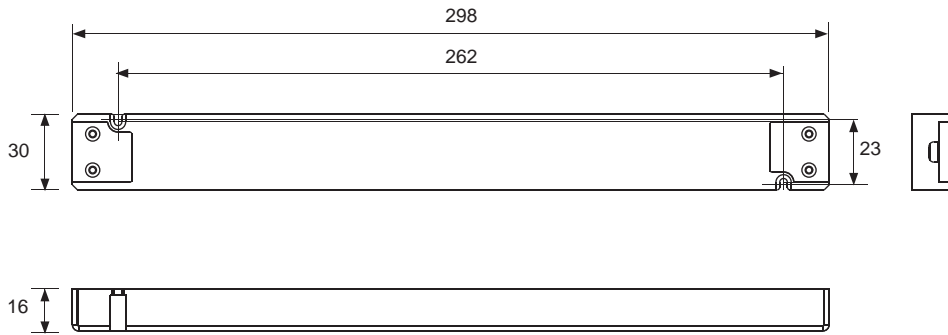
### Characteristics:

- Terminal block for quick connection
- Class II protection against electric shock from direct and indirect contact
- SELV output(<60V)
- Fast start-up time <0.5s
- Open circuit, short circuit, over load and over temperature protection
- Super thin design
- No load power consumption≤0.5W
- Efficiency:≥90% (AC230V,full load)

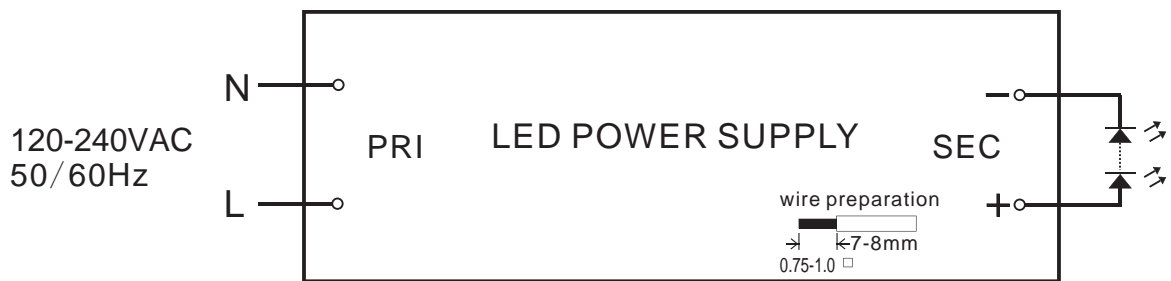
## Specifications:

Model	SLT60-48VFG-UN	
Output	turn on time(S)	≤0.5
	output power(W)	60
	output voltage(V)	48
	output voltage tolerance <sup>1</sup>	+/-5%
	ripple voltage(mV)	250(Vp-p)
	working current range(A)	0-1.25
	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)	600
	efficiency <sup>2</sup>	91.2%
	average efficiency <sup>3</sup>	88.0%
	no load power consumption(W)	≤0.5
	power factor <sup>2</sup>	0.95
Protection	inrush current(Ipk)	37A/92us
	over voltage protection	YES
	short circuit protection	YES
	over temperature protection	YES
	automatic restart	YES
	over load protection	YES
Ambient and Life	surge capacity	L-N:1kV
	Ta(°C)	-20...45
	Tc max.(°C)	90
	Storage Temperature(°C)	-30...80
	ambient humidity range	5%...85%, Not condensing
Other	nominal life-time(hrs)	50000@Tc=90 C
	weight(g)	162
	dimensions (LxWxH)(mm)	298x30x16
	casing material	Plastic
	housing colour	Grey+Blue
	type of protection	IP20
Note	protection class	Class2
	<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>	

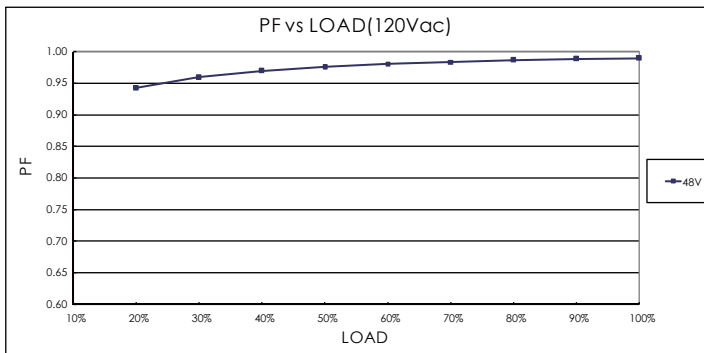
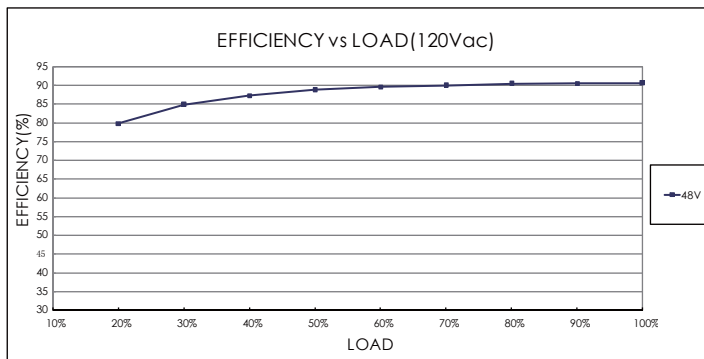
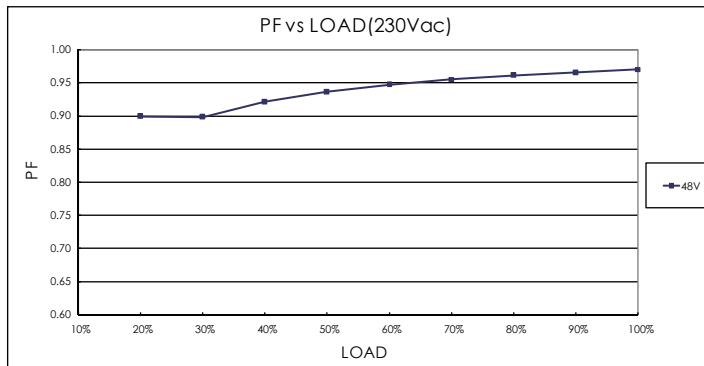
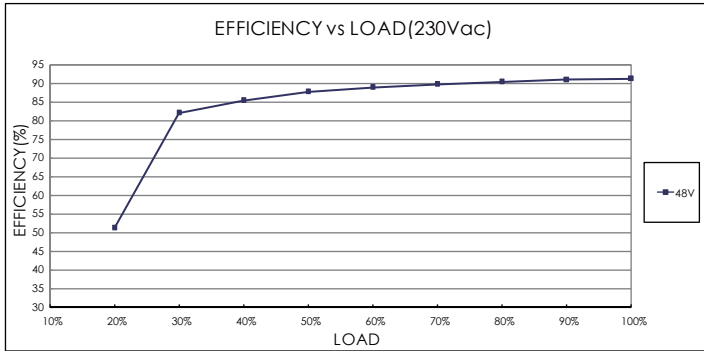
### Dimensions(mm):



### 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.

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