

# Constant Voltage LED Power Supply

SLT100-12VFG

SLT100-24VFG-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 (12/24V 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	

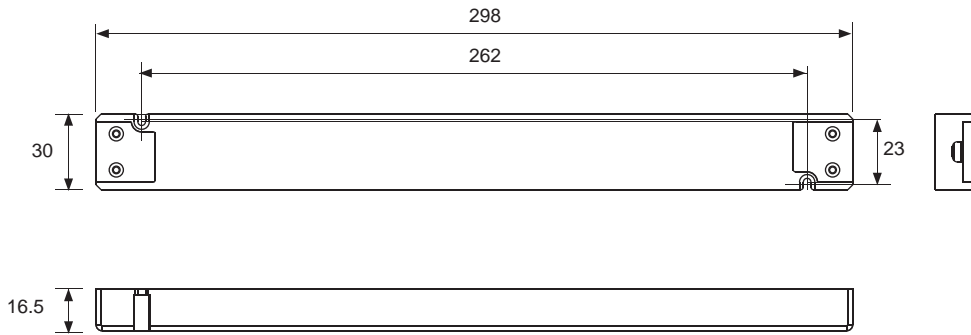
## Characteristics:

- Independent power supply for constant voltage LED lamp  
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 ≤0.3W
- Efficiency: ≥92% (AC230V, full load)

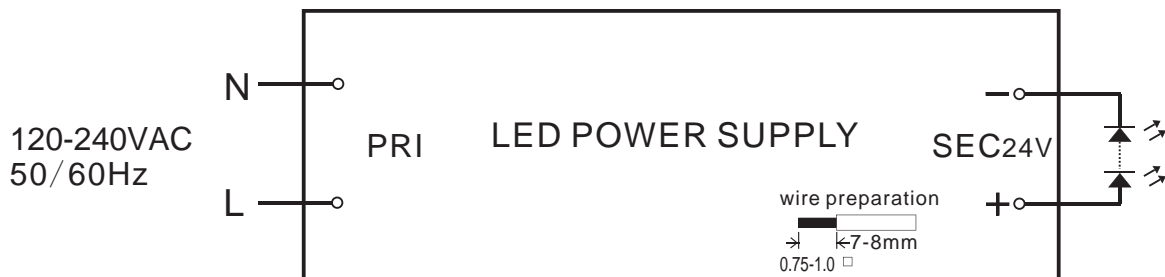
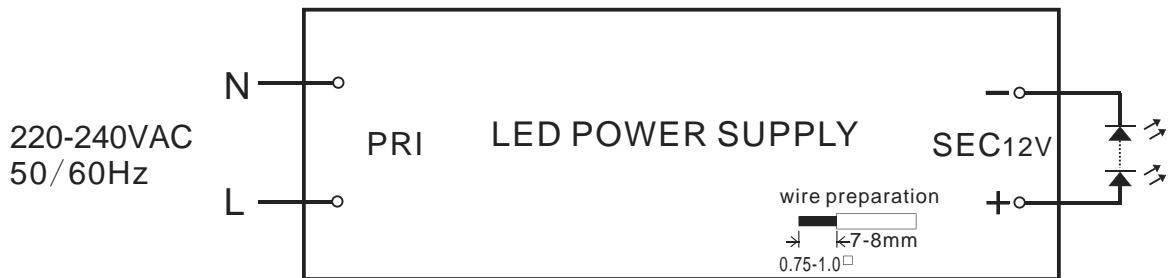
## Specifications :

Model	SLT100-12VFG	SLT100-24VFG-UN	
Output	turn on time(S)	<0.5	<0.5
	output power(W)	96	100
	output voltage(V)	12	24
	output voltage tolerance <sup>1</sup>	+/-5%	+/-5%
	ripple voltage(mV)	800(Vp-p)	800(Vp-p)
	working current range(A)	0-8.33A	0-4.17@230V 0-3.33@120V
	dimming interface	No	
	dimming range	n/a	
Input	rated supply voltage(Vac)	220-240	120-240
	voltage range(Vac)	198-264	108-264
	line frequency(Hz)	50/60	50/60
	input current(mA)	600	600@230V,800@120V
	efficiency <sup>2</sup>	91.5%	92.3%
	average efficiency <sup>3</sup>	89%	90%
	no load power consumption(W)	<0.3	<0.3
	power factor <sup>2</sup>	0.95	0.95
	inrush current(Ipk)	35.8A/92.5uS	38.2A/92.5uS
Protection	over voltage protection	YES	YES
	short circuit protection	YES	YES
	over temperature protection	YES	YES
	automatic restart	YES	YES
	over load protection	YES	YES
	surge capacity	L-N:1kV	L-N:1kV
Ambient and Life	Ta(°C)	-20...45	-20...45
	Tc max.(°C)	90	90
	Storage Temperature(°C)	-30...80	
	ambient humidity range	5%...85%, Not condensing	
	nominal life-time(hrs)	50000@Tc:85	50000@Tc:90
Other	weight(g)	216	216
	dimensions (LxWxH)(mm)	298x29.8x16.5	
	casing material	Plastic	
	housing colour	Grey+Blue	
	type of protection	IP20	
	protection class	Class2	
Note	<p>1. Tolerance:includes set up tolerance, line regulation and load regulation.</p> <p>2. Tested at full load,230Vac.Refer to"Power Factor" and "EFFICIENT"curve graphs.</p> <p>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.</p> <p>4. All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature.</p> <p>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>		

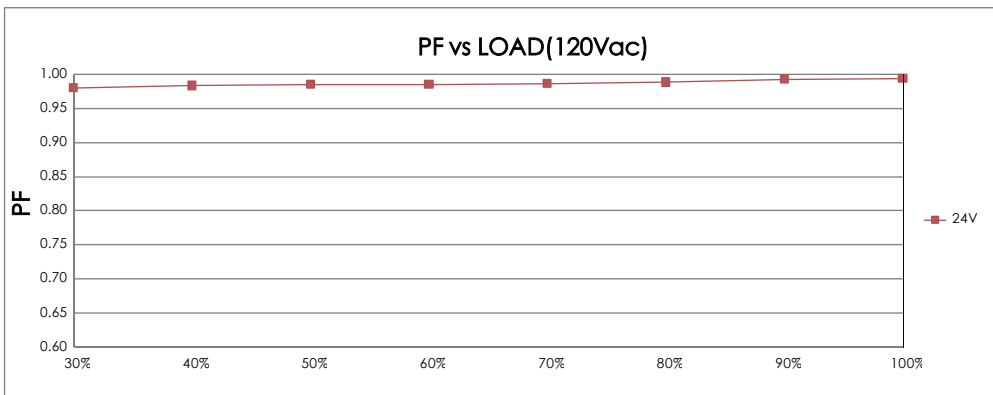
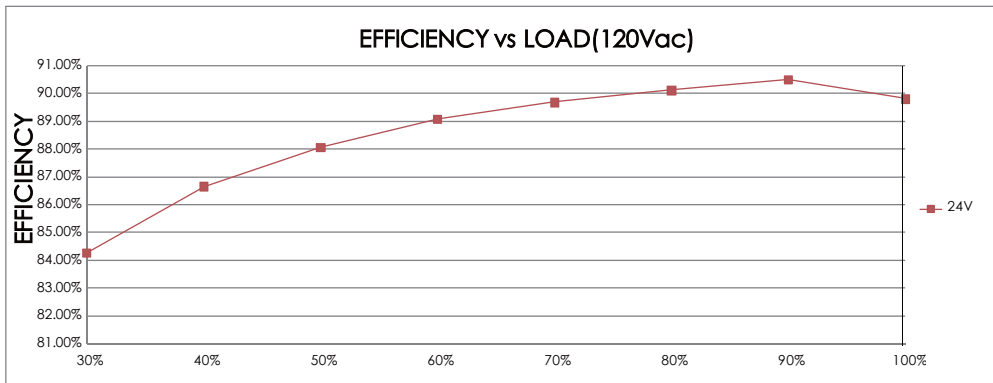
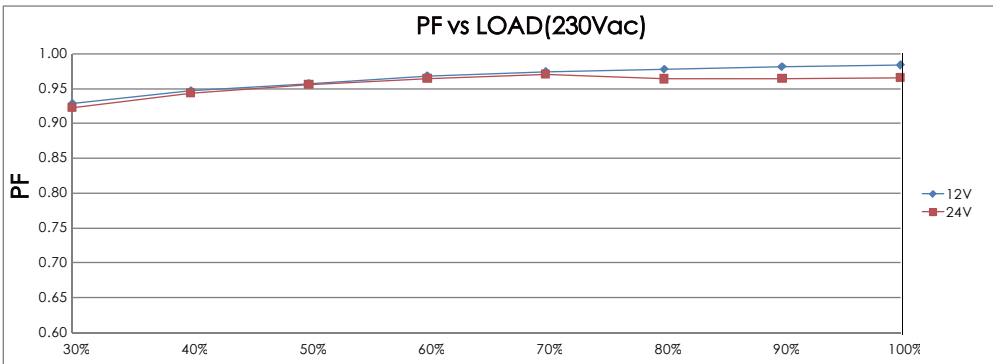
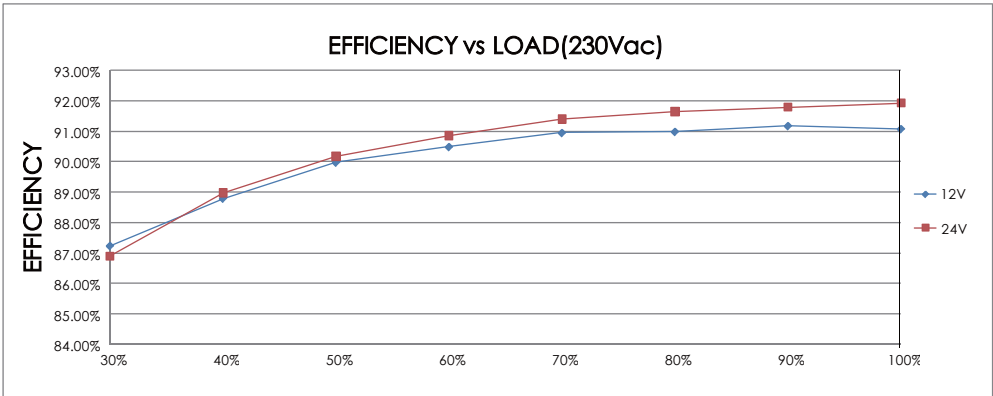
### Dimensions(mm):



### Wiring diagram:



Electrical curves:



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