

# Constant Voltage LED Power Supply

SLT60-12VLG-E  
SLT60-24VLG-E



## Product description:

It is designed for compromise between an attractive price and high performance, which meets SELV standard of preventing electric shock. Open circuit, short circuit, over load and over temperature Protection enhance the safety in processing. Low standby power consumption complies with ERP directives. Optimized electric circuit design brings cost-effectiveness. Nominal life-time: 30,000 hrs.

## Standards:

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

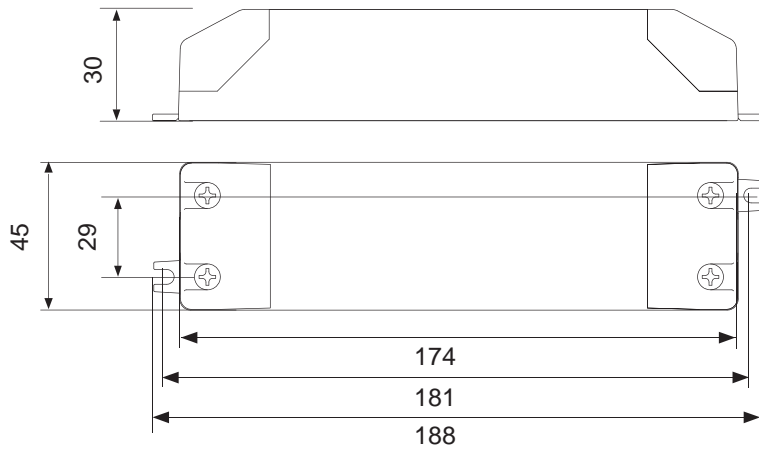
## Characteristics:

- Independent use design
- SELV output(<60V)
- Open circuit,short circuit,over load and over temperature protection.
- Auto restart after fault conditions removal
- No load power consumption≤0.3W
- Warranty: 3 years

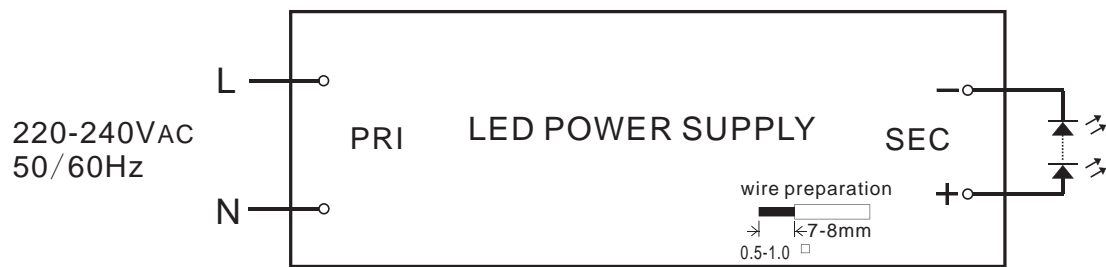
## Specifications:

Model	SLT60-12VLG-E	SLT60-24VLG-E	
Output	turn on time(S) <sup>1</sup>	<0.5	≤0.5
	output power(W) <sup>1</sup>	60	60
	output voltage(V)	12	24
	output voltage tolerance <sup>2</sup>	+/-5%	+/-5%
	ripple voltage	300mVp-p	200mVp-p
	working current range(A)	0-5	0-2.5
	output safety rating	SELV	SELV
	dimming interface	No	No
	dimming range	n/a	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)	300	300
	input power(W) <sup>1</sup>	69	68
	efficiency <sup>3</sup>	87.8%	89.0%
	average efficiency <sup>4</sup>	82.8%	86.7%
	no load power consumption(W) <sup>1</sup>	≤0.3	≤0.3
	power factor <sup>3</sup>	0.95	0.95
	THD <sup>3</sup>	12%	12%
	inrush current(Ipk)	35A/250us	35A/250us
Protection	input over voltage protection	320Vac,1 hour.	
	short circuit protection	In case of a short circuit on the secondary side,the ECG will switch off.	
	over temperature protection	ECG switches off if the temperature reaches a certain degree.	
	over load protection	ECG works in pulsed light output mode.	
	automatic restart	After elimination of the fault condition the ECG will recover automatically.	
	surge capacity	L-N: 1KV	
Ambient and Life	Ta(°C)	-20...+45	-20...+50
	Tc max.(°C)	90	85
	nominal life-time(hrs)	30'000@Tc=90 C	30'000@Tc=85 C
	Storage Temperature(°C)	-30...80	
	ambient humidity range	5%...85%, Not condensing	
Other	weight(g)	260	
	dimensions (LxWxH)(mm)	188x45x30	
	casing material	plastic	
	housing colour	White&Blue	
	connecting method	Terminal block	
	type of protection	IP20	
	protection class	ClassII	
Note	<p>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 average of these four values.</p>		

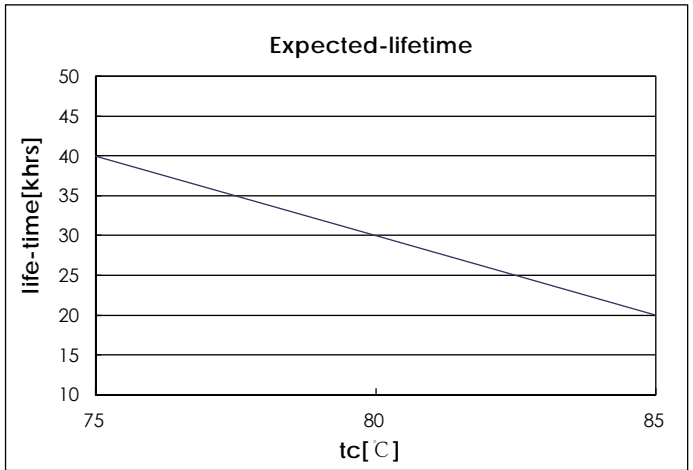
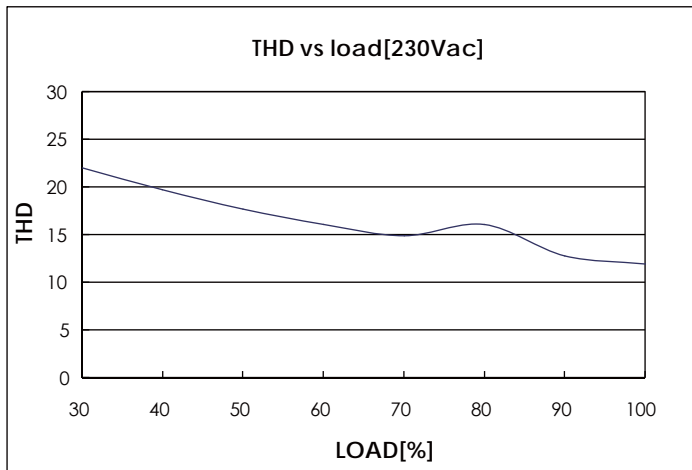
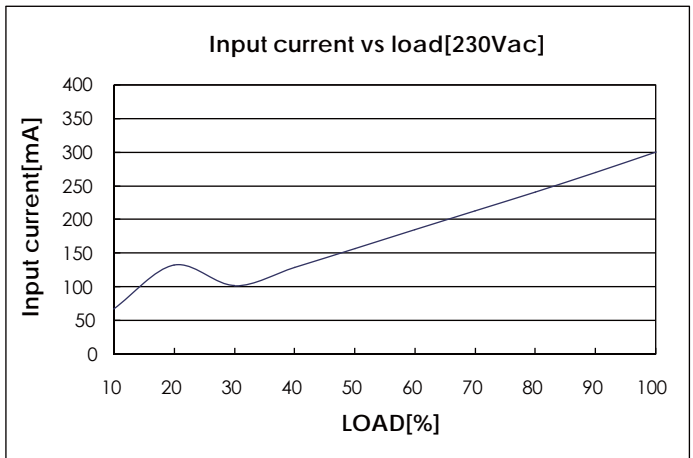
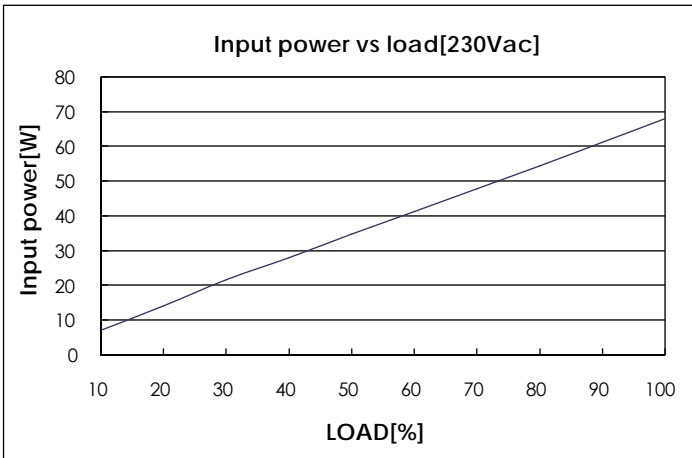
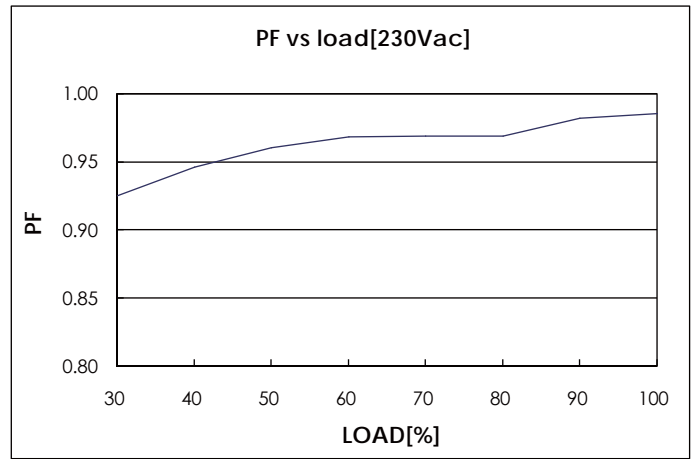
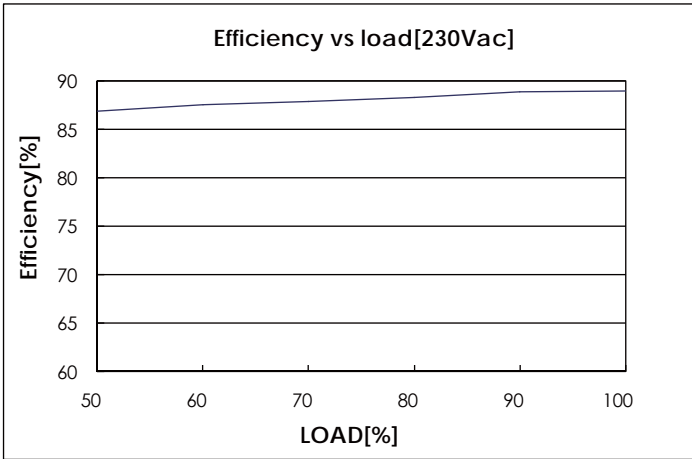
Dimensions(mm):



Wiring diagram:



Electrical curves:



## MCBS information:

Miniature circuit breaker Model	B10	B13	B16	B20	C10	C13	C16	C20
SLT60-12VLG-E	9	12	15	19	16	19	26	32
SLT60-24VLG-E	9	12	15	19	16	19	26	32

## Order information:

Order.No.	Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
1001-610152-0130	SLT60-12VLG-E	32	405x215x180	9.2
1001-660240-0131	SLT60-24VLG-E	32	405x215x180	8.7

## Sales & Technical Support:

### Self Electronics Co.,Ltd.

Add: No. 1345 Ju Xian Road, Ningbo Hi Tech Park, Ningbo, China  
 Tel: 0086-574-28805765,28805658(For English Assistance)  
 0086-574-28805678 (For Chinese Assistance)  
 Fax: 0086-574-28805656  
 E-mail: sales@self-ecg.com  
<http://www.self-ecg.com>

### Self Electronics Co.,Ltd.,Shenzhen Office

Add: Room2007,Xinglang Xuan,Xinghe Mingju,Fuming Road,Futian District,Shenzhen  
 Tel: 0086-755-83558850, 83558851  
 Fax: 0086-755-83558840

### SELF ELECTRONICS GERMANY GMBH

Add:August-Horch-Str. 7,51149 Koeln  
 Tel: 0049 2203 18501-0  
 Fax: 0049 2203 18501-199  
 E-mail: saleseu@self-electronics.com

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