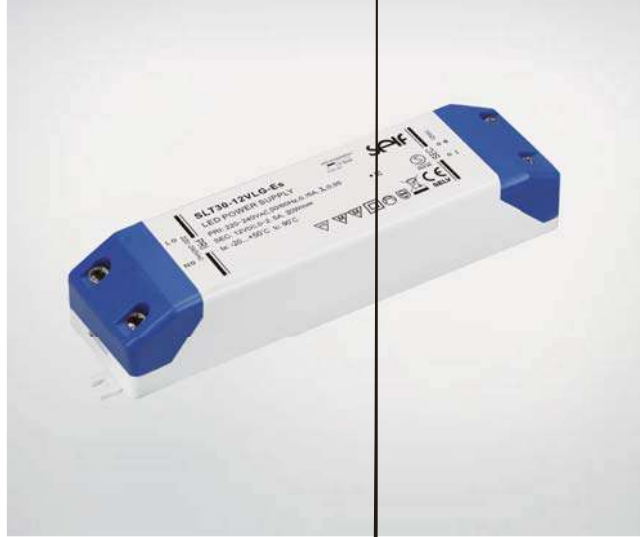


Constant Voltage LED Power Supply

SLT30-12VLG-Es
SLT30-24VLG-Es
SLT30-48VLG-Es



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.



Standards:

EN61347-1
EN61347-2-13
N61547
EN55015
EN61000-3-2
EN61000-3-3
EN62384
EN62493

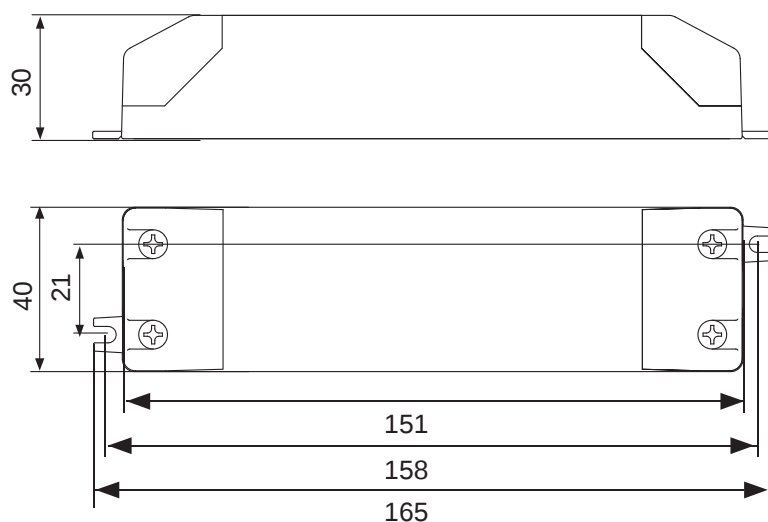
Characteristics:

- 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

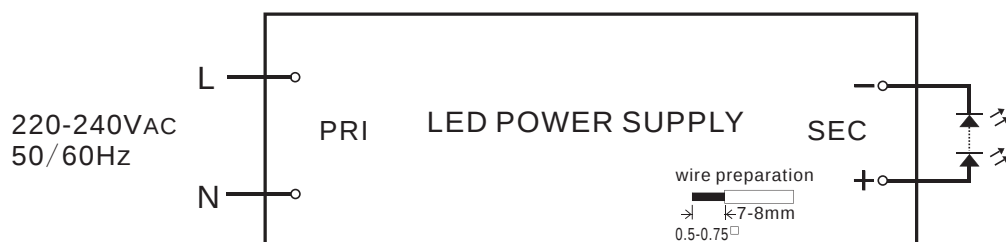
Specifications:

Model		SLT30-12VLG-Es		SLT30-24VLG-Es		SLT30-48VLG-Es	
Output	turn on time(S) ^①	0.5		0.5		0.5	
	output power(W) ^①	30		30		30	
	output votage(V)	12		24		48	
	output voltage tolerance ^②	+/-5%		+/-5%		+/-5%	
	ripple voltage(mV)	200(Vp-p)		400(Vp-p)		800(Vp-p)	
	working current range(A)	0-2.5		0-1.25		0-0.625	
	output safety rating	SELV					
	dimming interface	No					
	dimming range	n/a					
Input	rated supply voltage(Vac)	220-240		220-240		220-240	
	voltage range(Vac)	198-264		198-264		198-264	
	line frequency(Hz)	50/60		50/60		50/60	
	input current(mA)	160		160		160	
	input power(W) ^①	35.4		35		35	
	efficiency ^③	84.0%		85.0%		86.0%	
	average efficiency ^④	80.0%		82.0%		83.0%	
	no load power consumption(W) ^①	0.3		0.3		0.3	
	power factor ^③	0.95		0.95		0.95	
	THD ^③	20%		20%		20%	
	inrush current(lpk)	16A/150uS		16A/150uS		16A/150uS	
Protection	input over voltage protection	320Vac,1 hours.					
	short circuit protection	In case of a short circuit on the secondary side,the ECG will switche 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(℃)	-20...50					
	Tc max.(℃)	90					
	nominal life-time(hrs)	35'000@Tc=75℃					
	Storage Temperature(℃)	-30...80					
	ambient humidity range	5%...85%, Not condensing					
Other	weight(g)	200					
	dimensions (L×W×H)(mm)	165×40×30					
	casing material	Plastic					
	housing colour	Grey+Blue					
	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.						

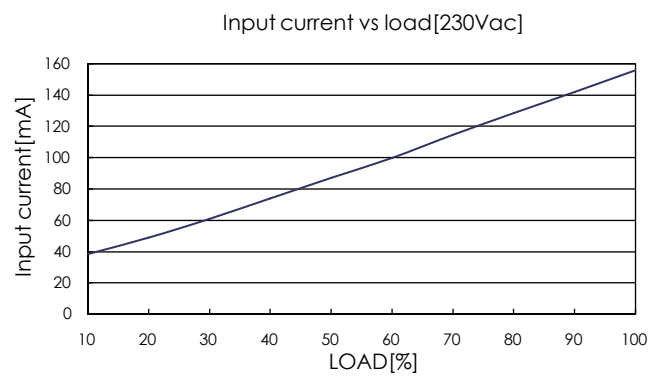
Dimensions(mm):



Wiring diagram:

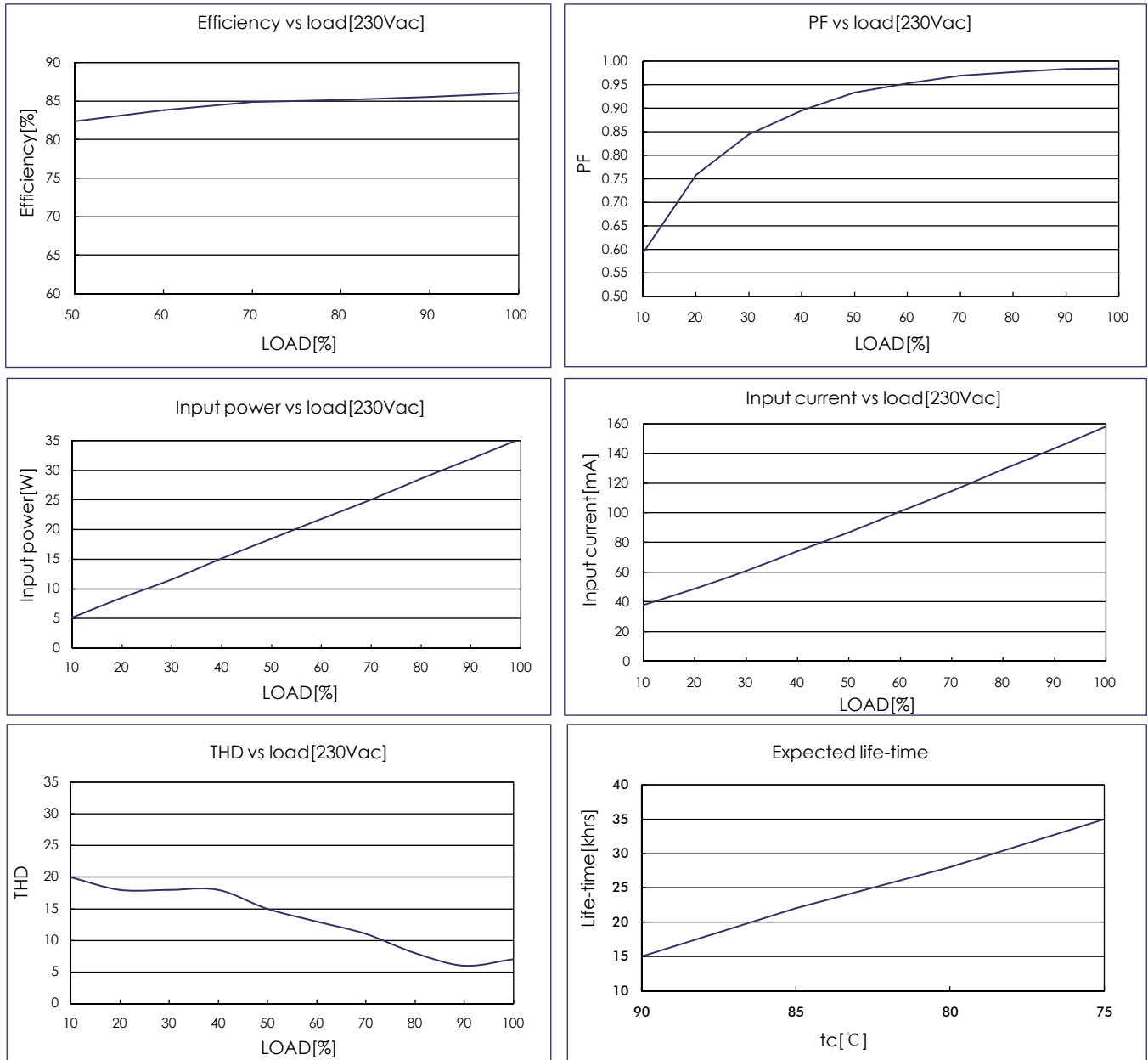


Electrical curves:



Electrical curves:

SLT30-24VLG-ES

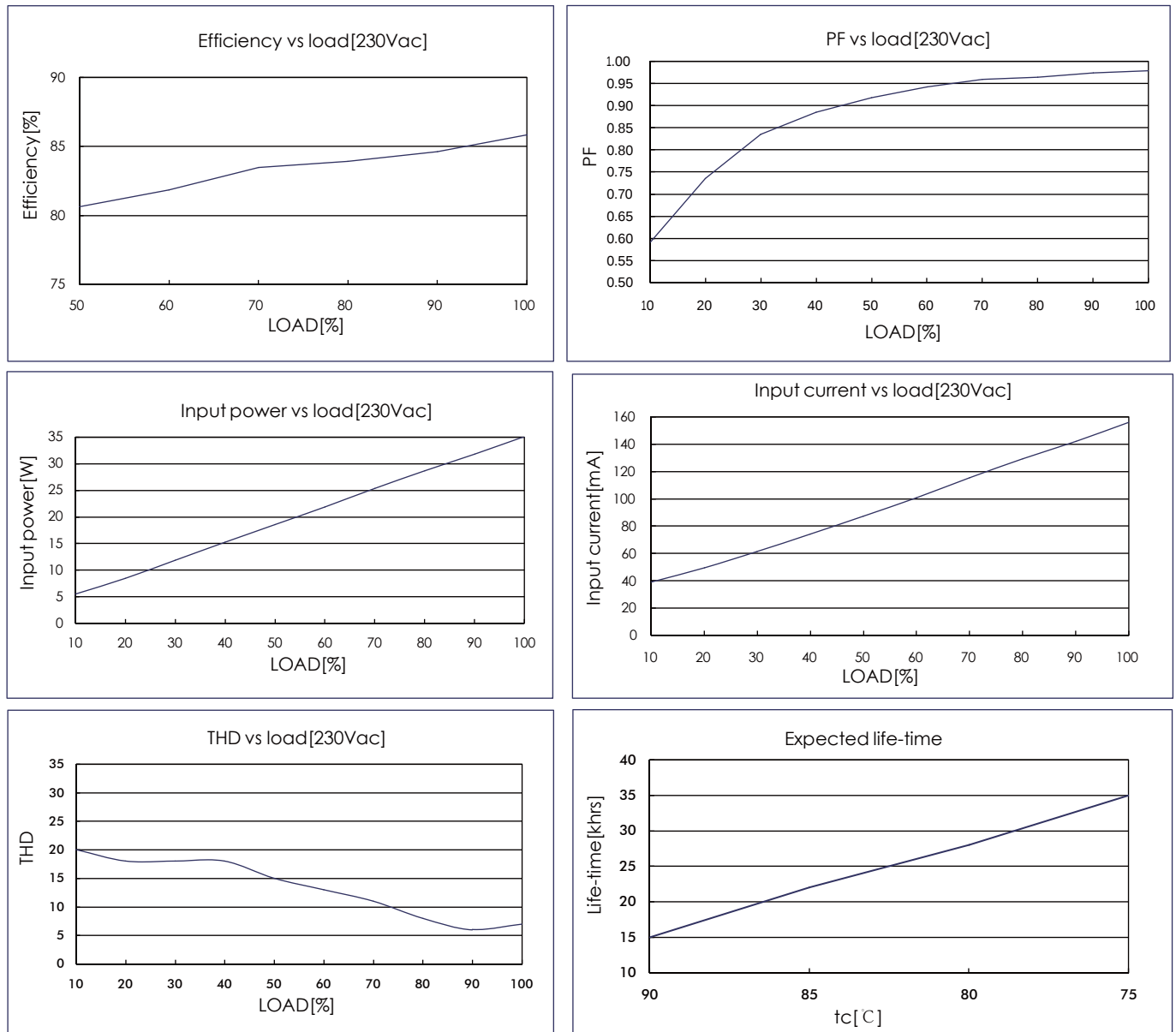


note

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.

Electrical curves:

SLT30-48VLG-ES



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
SLT30-12VLG-Es	35	45	56	70	58	70	95	112
SLT30-24VLG-Es	35	45	56	70	58	70	95	112
SLT30-48VLG-Es	35	45	56	70	58	70	95	112

Order information:

Order.No.	Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
1001-610146-0130	SLT30-12VLG-Es	40	365x240x175	10
1001-610147-0131	SLT30-24VLG-Es	40	365x240x175	10
1001-610153-0130	SLT30-48VLG-Es	40	365x240x175	10

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