

Constant Voltage LED Power Supply

SLT350-24VLC-UN / SLT350-48VLC-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 designed specifically for the L-rail that is paralleled connected with 2m wires from driver. 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 or over temperature. The power supply will restart automatically after fault correction.



Standards:

EN61347-1
 EN61347-2-13
 EN61547
 EN55015
 EN61000-3-2
 EN61000-3-3
 EN62384
 EN62493
 EN60335-1
 UL 8750
 UL1310
 FCC15B

Characteristics:

- Independent power supply for constant voltage LED lamp
- Metal case with protection ground
- Universal input voltage from 120-240V
- IP66/IP67 design for indoor and outdoor application
- Meet L-N 2kV and L-PE/N-PE 4kV surge immunity level
- Nominal life-time up to 100,000 h@Tc=75
- Open circuit, over load and over temperature protection
- Auto restart after fault conditions removal
- Warranty:5 years
- Comply with EN60335 can be used in commercial freezer and refrigerat

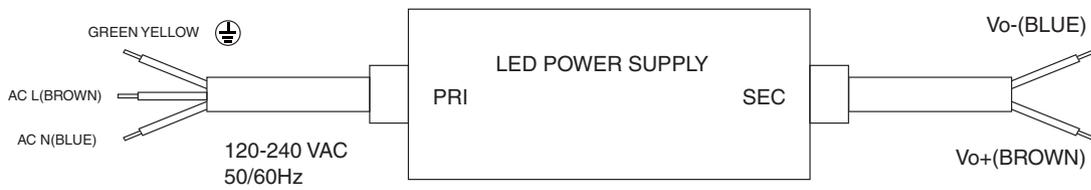
Specifications :

Model		SLT350-24VLC-UN	SLT350-48VLC-UN
Output	turn on time(S)	≤ 0.5	≤ 0.5
	output power(W)	350	350
	output votage(V)	24	48
	output voltage tolerance ¹	+/-3%	+/-3%
	ripple voltage(mV)	500(Vp-p)	1000(Vp-p)
	working current range(A)	0.1-14.5@(240V)	0.1-7.3(@240V)
		0.1-9.8@(120V)	0.1-5.2(@120V)
	dimming interface	No	No
dimming range	n/a	n/a	
Input	rated supply voltage(Vac)	120-240	120-240
	voltage range(Vac)	108-264	108-264
	line frequency(Hz)	50/60	50/60
	input current(mA) ²	1.7A(@220-240V)	1.7A(@220-240V)
		2.3A(@120V)	2.3A(@120V)
	efficiency ³	94.0%	94.0%
	average efficiency ³	92.0%	92.0%
	no load power consumption(W)	0.5	0.5
	power factor ³	0.95	0.95
inrush current(Ipk)	120A/100us	120A/100us	
Protection	over voltage protection	320Vac,1 hours.	320Vac,1 hours.
	short circuit protection	Yes	Yes
	Open circuit protection	Yes	Yes
	over temperature protection	Yes	Yes
	automatic restart	Yes	Yes
	over load protection	Yes	Yes
	Ambient over tem. protection	≥90 °C	≥90 °C
	surge capacity	L-N: 2KV L,N-PE: 4KV	L-N: 2KV L,N-PE: 4KV
Ambient and Life	Ta(°C)	-20...+40	-20...+40
	Tc max.(°C)	90	90
	Storage Temperature(°C)	-40...80	-40...80
	ambient humidity range	5%...85%RH, Not condensing	5%...85%RH, Not condensing
	audible noise(dB)	≤25 @20cm	≤25 @20cm
	nominal life-time(hrs)	100'000@Tc=75 °C	100'000@Tc=75 °C
Other	weight(g)	1650	1650
	dimensions (L×W×H)(mm)	260x68x47	260x68x47
	casing material	Metal	Metal
	housing colour	Silver	Silver
	type of protection	IP66/IP67	IP66/IP67
	protection class	Class I	Class I
Note	<p>1. Tolerance:includes set up tolerance, line regulation and load regulation. 2. Tested 230Vac(Input current tested at full load,120Vac).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>		

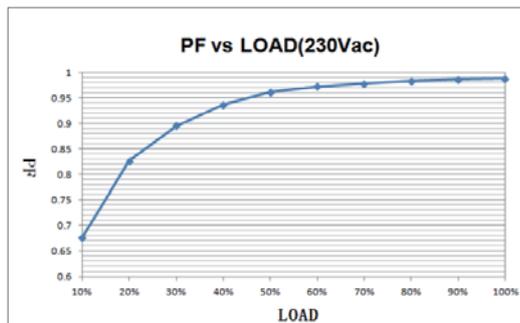
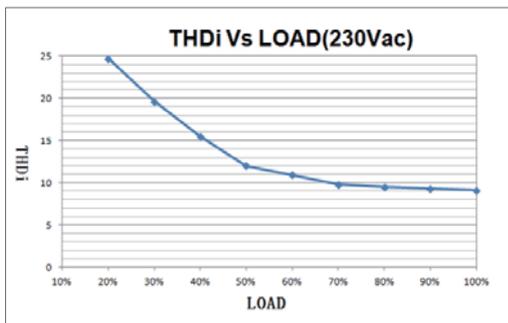
Dimensions: mm



Wiring diagram:



Electrical curves:



MCBS information:

Miniature circuit breaker Model Model	B10	B13	B16	B20	C10	C13	C16	C20
SLT320-24VLC-UN	2	3	4	5	3	4	5	6
SLT350-48VLC-UN	2	3	4	5	3	4	5	6

Sales & Technical Support:

SELF Electronics Co.,Ltd.(Headquarters)

Add: No. 1345 JuXian Road, Ningbo Hi Tech Park, Ningbo, China 315103
 Phone: +86-574-2880-5765, +86-574-2880-5658 (for English assistance)
 +86-574-2880-5678 (for Chinese assistance)
 Fax: +86-574-28805656
 E-mail: sales@self-electronics.com
<http://www.self-electronics.com>

SELF Electronics Co.,Ltd.,Shenzhen Office

Add: Room2007, Xinglang Xuan, Xinghemingju, Fuming Rd.,
 Futian District, Shenzhen
 Tel: +86-755-8355-8850
 Fax: +86-755-8355-8840
 E-mail: szsales@self-electronics.com

SELF Electronics Germany GmbH

August-Horch-Str. 7, 51149 Cologne
 Phone: +492203-18501-0
 Fax: 492203-18501-199
 E-mail: saleseu@self-electronics.com

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