

Constant Current LED Power Supply

SLT20-500IL-UN(for independent use)

SLT20-500IB-UN(for built-in use)



Product description :

This type of compact constant current power supply with 110-277Vac input voltage has very high efficiency and low power loss.

Designed with high power factor and low output ripple, it can be used either built-in or independently. The output current can be set by the DIP switch, and the output current can be switched every 50mA from 150mA to 500mA.

It conforms to SELV standard and the built-in protection circuit will shut down the converter in case of such faults as: open circuit, short circuit, over load, 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
UL1310
FCC 15B

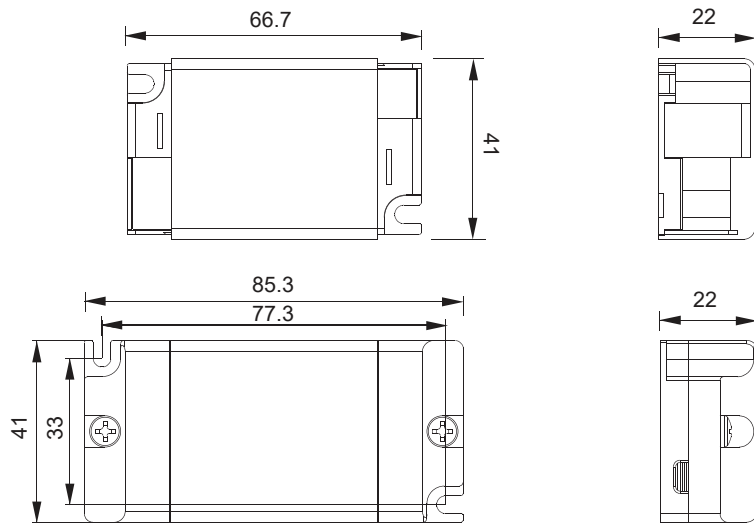
Characteristics:

- Multipower driver supplied with dip-switch for the selection of the output current.
- Class II protection against electric shock for direct or indirect contact
- Driver for built-in or independent use.
- It can be used for lighting equipment in protection class I and II
- Active Power Factor Corrector.
- SELV output(<60V)
- Free flicker design
- Open circuit,short circuit,over load and over temperature protection
- Auto restart after fault conditions removal
- Warranty: 5 years

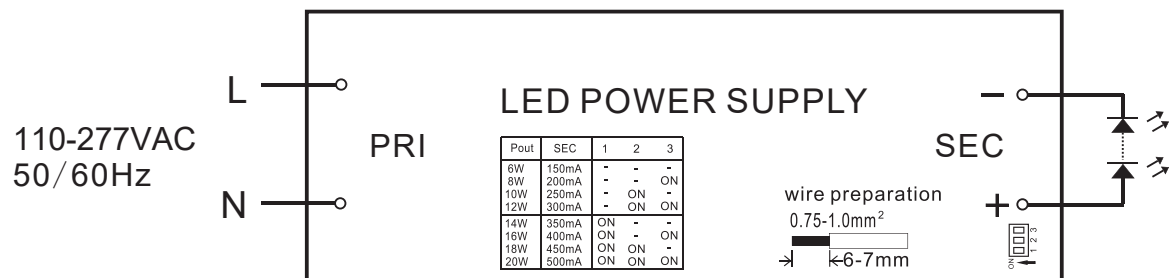
Specifications:

Model		SLT20-500IB-UN(for build-in use)	SLT20-500IL-UN(for independent use)
Output	turn on time(S) ^①	≤0.5	
	output current(mA) ^①	150/200/250/300/350/400/450/500	
	output current tolerance ^②	+/-5%	
	ripple current(%) ^③	5%	
	working voltage range(V)	5-40	
	output power range(W)	Max 20	
	Max. output voltage(V)	50	
	output safety rating	SELV	
	dimming interface	no dim interface	
	dimming range	n/a	
Input	rated supply voltage(Vac)	110-277Vac	
	voltage range(Vac)	108-305	
	line frequency(Hz)	50/60	
	input current(mA)	0.23	
	input power(W) ^①	23.8	
	efficiency ^①	85%	
	power factor ^①	0.90C	
	THD ^①	10%	
	inrush current(lpk) ^①	10A/10uS	
Protection	input over voltage protection	-	
	short circuit protection	yes	
	over temperature protection	yes	
	automatic restart	yes	
	over load protection	yes	
	surge capacity	L-N: 1KV	
Ambient and Life	Ta(℃)	-25...+50	
	Tc max. (℃)	85	
	nominal life-time(hrs)	50'000@Ta=50℃	
	guarantee(years)	5	
	MTBF(hrs)	50'0000	
	Storage Temperature(℃)	-30...80	
	ambient humidity range	5%...85%RH, Not condensing	
	audible noise(dB)	24dBA tested@10cm	
Other	weight(g)	85	
	dimensions (L×W×H)(mm)	66.7x41x22/85.3x41x22	
	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,LED load,below 200Hz		

Dimensions(mm):



Wiring diagram:

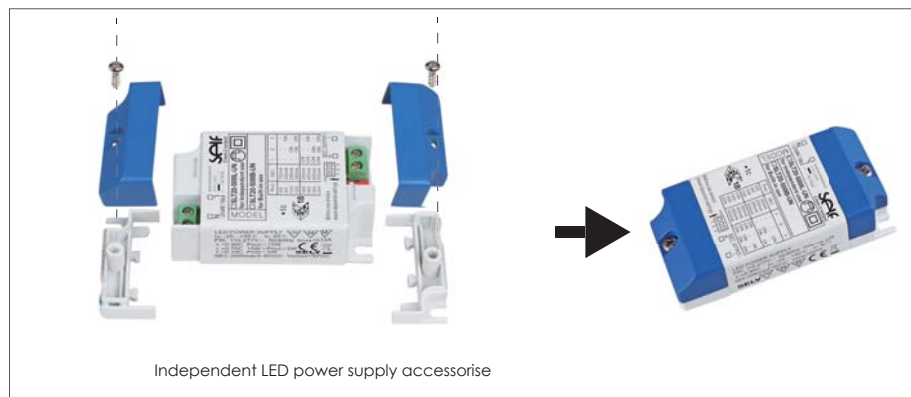


Application:

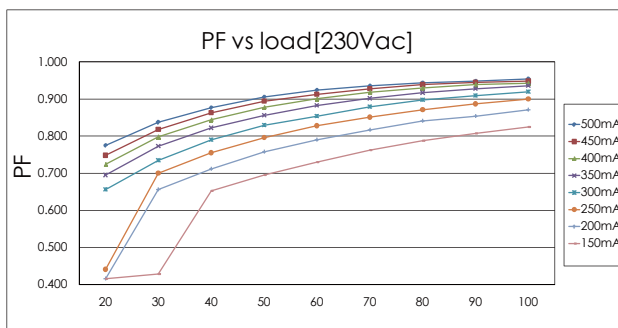
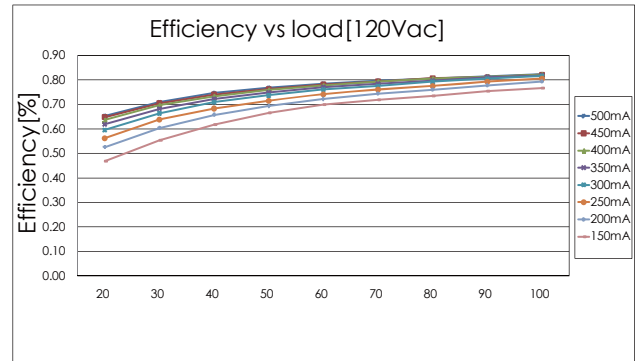
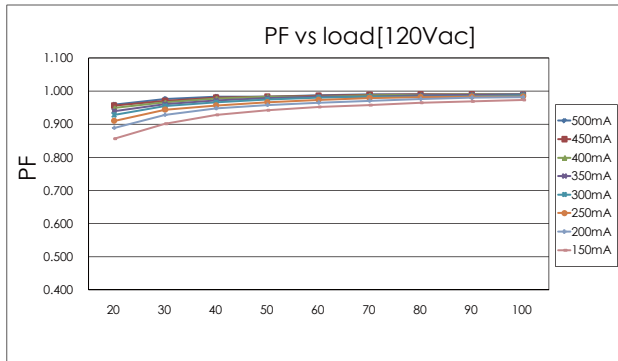
Built-in application



Independent application



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.

MCBS information:

Miniature circuit breaker Model	B10	B13	B16	B20	C10	C13	C16	C20
SLT20-500IB-UN	29	37	46	57	47	57	78	92
SLT20-500IL-UN	29	37	46	57	47	57	78	92

Order information:

Order.No.	Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
1001-660304-0130	SLT20-500IB-UN	100	365x240x175	9.3
1001-660292-0130	SLT20-500IL-UN	100	390x245x150	10.2

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