



LED POWER SUPPLY DATASHEET

SL100-48VF(UE)

·DESCRIPTION



High Cost Performance, SELV. Open circuit short circuit, overload and over temperature protection, Meet class II. Warranty is 5 years.

·Input

Items	Conditions	Request	Note
Input voltage	Ta	100-240Vac	--
Input frequency		50Hz/60Hz	--
Input current	25℃, rated input voltage, output with max. rated power	< 1.3A	--
Input power		< 114W	--
Efficiency		≥ 89%	--
Standby	25℃, rated input voltage output without load	< 0.5W	average
Inrush current	25℃, rated input voltage	< 75A	peak
PF	25℃, rated input voltage, output max. rated power	≥ 0.9	--

·Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-45℃	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	90℃	< 90℃
Lifetime	Max. Ta, rated input voltage, output with max. rated power	30,000hr	--
Working noise	25℃, rated input voltage, output with rated power, mute box background noise < 30dB, pickup 10cm distance from products	< 35dB	--

·Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.6 times of rated	yes	--
Short circuit	Ta, 0.94-1.06 times of input voltage	yes	--
Over temperature	Ta, 0.94-1.06 times of input voltage, temperature detected point more than 115 degree	yes	--
Over voltage	Ta, 0.94-1.06 times of input voltage, output voltage is 1.5 times of rated one	yes	--
Auto recovery	Over load, short circuit, over heat revocation	yes	--
Latch off	Over voltage, re-start after cut off	yes	--

·Output

Items	Conditions	Request	Note
Startup time	25℃, rated input voltage, output with max.	< 0.5S	230Vac 50Hz
Output voltage and precision	Ta, rated input voltage, output with rated power	48V±5%	< 50V
Output current range	Ta, rated input voltage	0-2.08A	--
Output voltage wave	25℃, rated input voltage, output with max. rated power	< 500mV	Vp-p
Output overload	25℃, rated input voltage, output with 2 times rated power	yes	--
Output current and precision	Ta, rated input voltage, output with rated power	--	--
Rated output voltage range	Ta, rated input voltage	--	--
Output current wave	25℃, rated input voltage, output with max.	--	Ip-p
Dimming mode	--	--	--
Dimming range	--	--	--

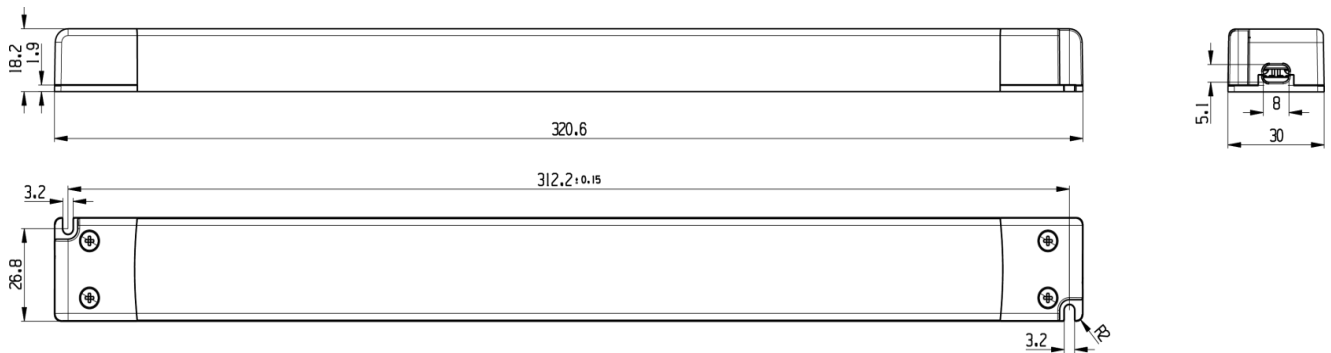
·Mechanical, mounting

Items	Conditions
Case material and size	Plastic case
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	Terminal block
Output cables dimension	Terminal block
Output cables length	Max 2M

·Standard

Items	Conditions
Safety	IEC61347-1、IEC61347-2-13 (combine with light IEC60598)
Harmonic	IEC61000-3-2
EMI	IEC55015 FCC PART 15B
EMS	IEC61547

Dimensions(mm)



Wiring Diagram

