LED POWER SUPPLY DATASHEET

SL200-24VF

·DESCRIPTION

High cost performance and meet SELV stanard.In order to improve the safety of products,we added open circuit short circuit overload and over temperature protection function.Compliance to ERP directive,lifetime 30,000hrs, 5 years warranty.

·Input

Items	Conditions	Request	Note
Input voltage	Ta	220-240Vac	--
Input frequency		50/60Hz	--
Input current	25℃,rated input voltage, output with max. rated power	＜ 1.3A	--
Input power		＜ 218W	--
Efficiency		93%	Typ.
Standby	25℃,rated input voltage output without load	＜0.21W	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℃	--
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<35dB,pickup 10cm distance from products	yes	--

·Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	yes	--
Over load	Ta ,0.94-1.06 times of input voltage, 2 times of rated power	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 revocation	yes	--
Latch off	Over voltage, over heat re-start after cut off	yes	--

·Output

Items	Conditions	Request	Note
Startup time	25℃, Input voltage 230Vac,output with max. rated power	＜0.5S	--
Output voltage and precision	Ta , rated input voltage, output with rated power	24V±5%	--
Output current range	Ta ,rated input voltage	0-8.33A	
Output voltage wave	25℃, rated input voltage,output with max. rated power	＜480mV	Vp-p
Output overload	25℃,rated input voltage,output with 2 times LED load	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. rated power	--	Ip-p
Dimming mode	--	--	--
Dimming range	--	--	--

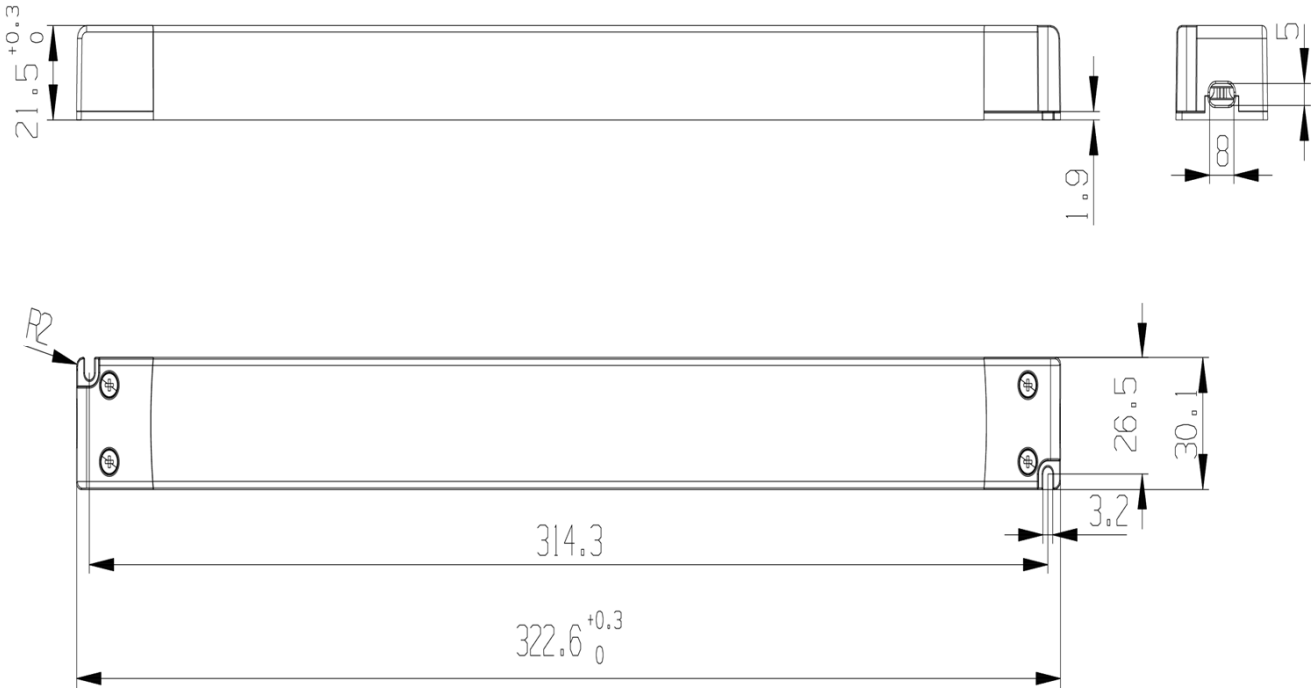
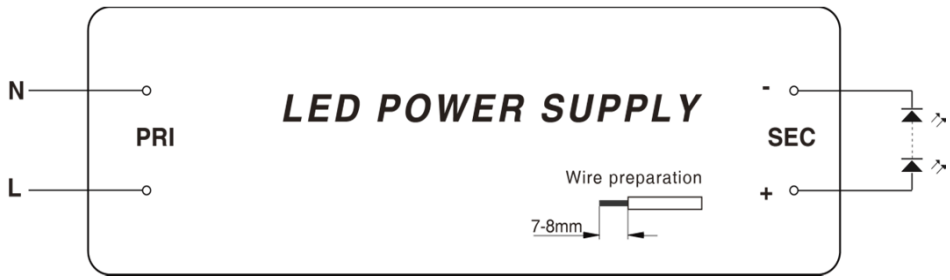
·Mechanical, mounting

Items	Conditions
Case material and size	Plastic case
Mounting ways	independent
Insulation type	Class II
IP grade	IP20
Input cable dimension	Terminal block
Output cable dimension	Terminal block
Output cable length	--

·Standard

Items	Conditions
Safety	IEC61347-1、IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMI	EN55015
EMS	EN61547

Dimensions(mm)



Wiring Diagram