



LED POWER SUPPLY DATASHEET

SLP60-12VFP(UE)

DESCRIPTION



SELV, open circuit, short circuit, and overload protection. Compliance to CLASS I, lifetime 30,000hrs.Warranty is 5years.

Input

Items	Conditions	Request	Note
Input voltage	Ta	100-240Vac	--
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	< 0.8A	--
Input power		< 70W	--
Efficiency		≥ 86%	--
Standby		25°C, rated input voltage, output without load	< 0.5W
Inrush current	25°C, rated input voltage	< 50A	peak
PF	25°C, rated input voltage, output max. rated power	≥ 0.9	--

Output

Items	Conditions	Request	Note
Startup time	25°C, rated input voltage, output with max. rated power	< 1S	--
Output voltage and precision	Ta, rated input voltage, output with rated power	12V±5%	--
Output current range	Ta, rated input voltage	0-5A	60W
Output voltage wave	25°C, rated input voltage, output with max. rated power	300mV	Vp-p
Output overload	25°C, 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°C, rated input voltage, output with max. rated power	--	Ip-p

Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-60°C	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	85°C	--
Lifetime	Max.Ta, rated input voltage, output with max.rated power	30,000hr	--
Working noise	25°C, rated input voltage, output with rated power, mute box background noise<35dB, pickup 10cm distance from	yes	--

Mechanical, mounting

Items	Conditions
Case material and size	Aluminium case 333.6x30*x17.5mm
Mounting ways	Independent
Insulation type	Class I
IP grade	IP67
Input cables dimension	H05RN-F 3*1.0mm ²
Output cables dimension	SJTW 18AWG*2C
Output cables length	Max 2M

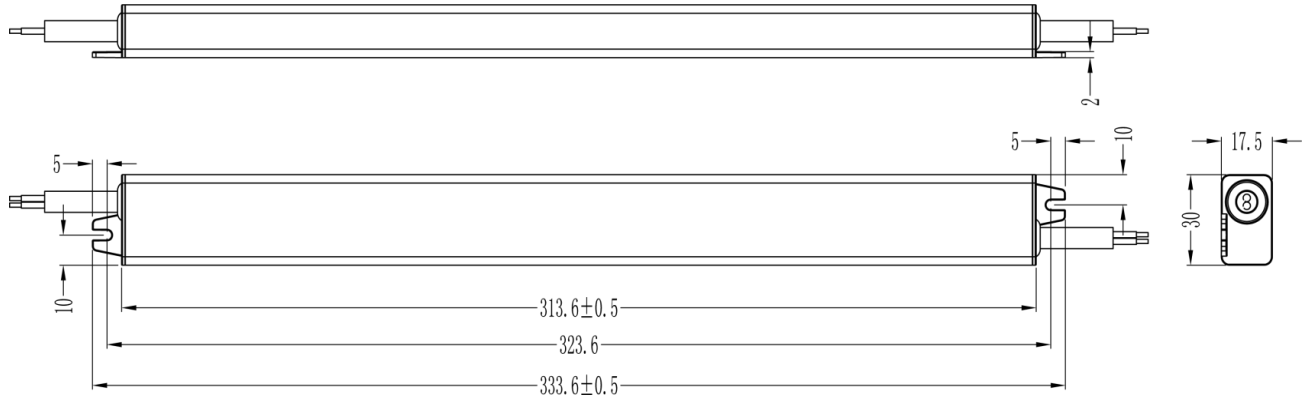
Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
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 pointed more than 115 degree	--	--
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 and over short circuit revocation	yes	--
Latch off	Over voltage re-start after cut off	yes	--

Standard

Items	Conditions	
Safety	UL8750	IEC61347-1, IEC61347-2-13
Harmonic	--	IEC61000-3-2 Class
EMI	FCC PART15 CLASSB	EN55015
EMS	--	EN61000-4-2,3,4,5,6 EN61547

● Dimensions(mm)



● Wiring Diagram

