

LED Power Supply

Constant Voltage LED Driver | Input 90-132V AC | Output voltage 12V DC

Special design with height less than 21mm. It is very helpful for furniture, cabinet, mirror lighting and lightbox application. short circuit, overload and over temperature protection. Lifetime 30,000hrs.



Items	Conditions	Request	Note
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1. Input

Input voltage	Ta	90-132 Vac	
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	<1.2A	--
Input power		<120W	--
Efficiency		≥90%	--
Standby	25°C, rated input voltage, output without load	<0.21W	average
Inrush current	25°C, rated input voltage	<60A	peak
PF	25°C, rated input voltage, output max. rated power	≥0.95	--

2. Output

Startup time	25°C, rated input voltage, output with max. rated power	<0.5s	--
Output voltage and precision	Ta, rated input voltage, output with rated power	12V±5%	--
Output current range	Ta, rated input voltage	0 – 8.33A	100W
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
Dimming mode	--	--	--
Dimming range	--	--	--

3. Temperate and others

Operation temp.	--	-20°C-45°C	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	80°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 products	yes	--

4. Mechanical, mounting

Case material and size	Plastic 322.6*30.1*21.5
Mounting ways	Independent
Insulation type	Class 2
IP grade	IP20
Input cables dimension	SPT-2 18AWG
Output cables dimension	SPT-2 18AWG
Output cables length	Max. 2M

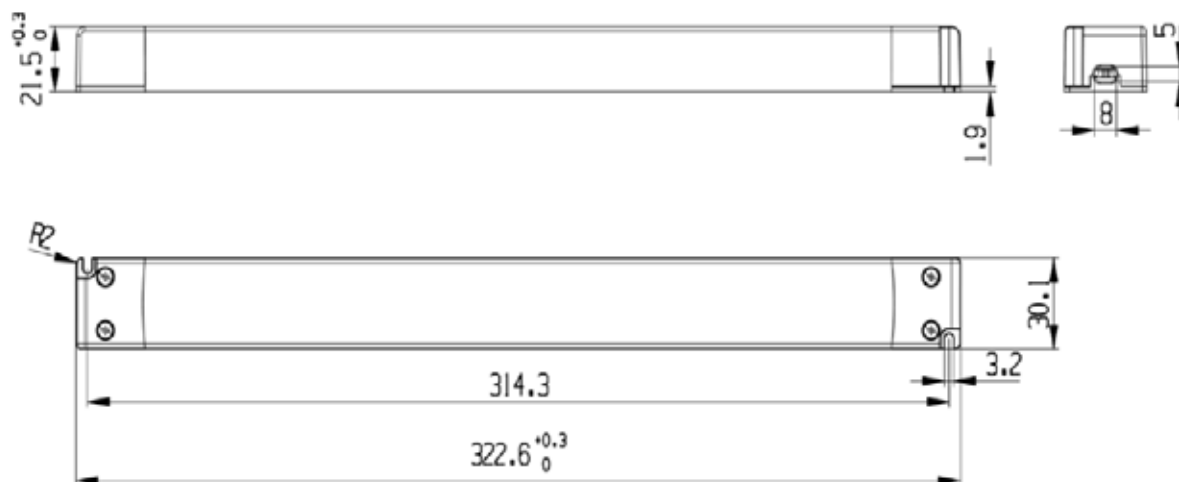
5. Protection

Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.2 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	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	--

6. Standard

Safety	UL8750
Harmonic	--
EMI	FCC PART15 CLASSB
EMS	--

7. Dimensions in mm



8. Wiring Diagram

