

LED DRIVER TECHNICAL SPEC

Constant Voltage Led Driver | Input 200-240V_{AC} | Output 12V_{DC}

Linear type, helpful for profile lighting and lightboxes. SELV, short circuit, overload and restartfunction. Compliance to ERP directive, lifetime 30,000hrs.



items	conditions	request	note
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1.input

Input voltage	Ta	AC200-240V	--
Input frequency		50/60Hz	--
Input current	25°C, input rated voltage, output max rated load	<0.30A	--
Input power		<60W	--
Efficiency		≥85%	--
Standby	25°C, input rated voltage,output without load	<0.5W	average
Inrush current	25°C, input rated voltage	<60A	peak
PDF	25°C, input rated voltage, output max rated load	≥0.90	--

2.output

Startup time	25°C, input rated voltage, output max rated load	< 0.5S	--
Output voltage and precision	Ta ,input rated voltage, output max rated load	12V±5%	--
Output current range	Ta ,input rated voltage	0-3.75A	--
Output voltage wave	25°C, input rated voltage, output with max rated load	180mV	Vp-p
Output overload	25°C, input rated voltage,output with 2 times LED load	yes	--
Output current and precision	Ta ,input rated voltage,output 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. protection

open circuit	Ta, rated input voltage, no load	--	--
over load	Ta ,0.94-1.06 times of input voltage, 1.6 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 heat protection after cut off	yes	--

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4. temperature and others

Operation Temperature		-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	--

5. mechanical, mounting

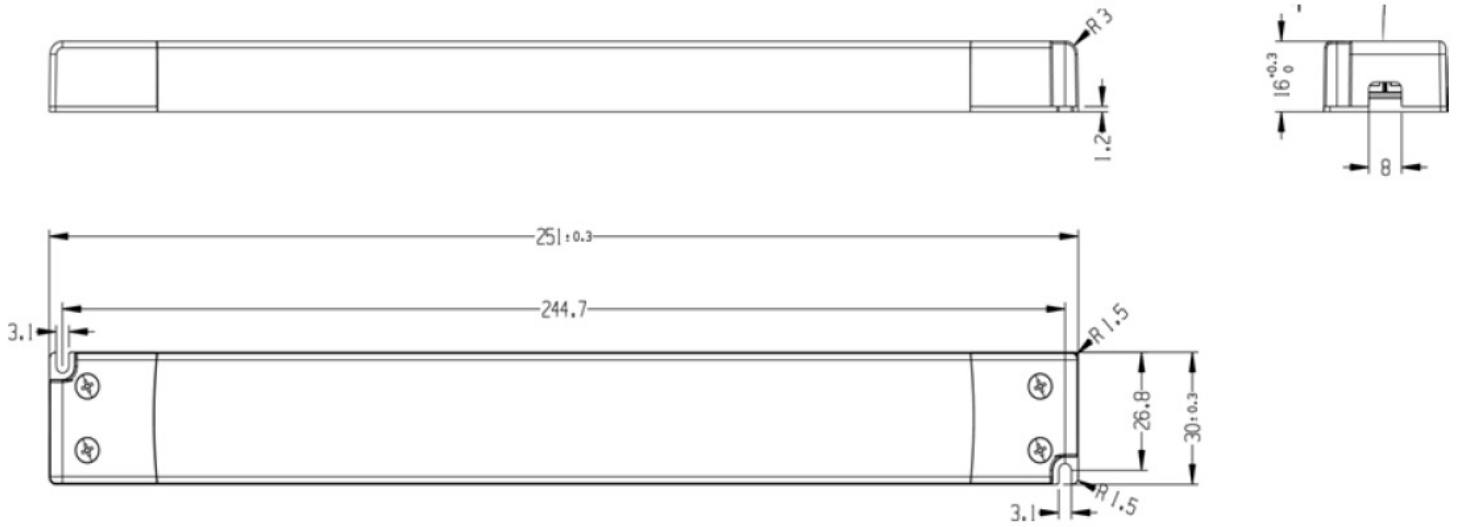
cover material and sizes	Plastic case 251*30*16mm
Mounting ways	independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	Terminal block
Output cables dimension	Terminal block
Output cables length	--

6. Standard request

Safety	IEC61347-1, IEC61347-2-13
Harmonic	IEC61000-3-2
EMI	IEC55015
EMS	IEC61547

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7. Dimensions in mm



8. Wiring diagram

