

LED Power Supply

Constant Voltage LED Driver | Input 200 – 240V AC | Output 12V DC

High Cost Performance,SELV. short circuit,overload and over temperature protection.
Compliance to ERP directive,lifetime 30,000hrs



items	conditions	request	note
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Input

Input voltage	Ta	200-240Vac	--
Input Frequency		50Hz/60Hz	--
Input Current	25°C, rated input voltage, output with max. rated power	<0.5A	--
Input Power		<80W	--
Efficiency		≥85%	--
Standby	25°C, rated input voltage, output without load	<0.21W	Average
Inrush Current	25°C, rated input voltage	<75A	peak
PF	25°C, rated input voltage, output max. rated power	≥0.9	--

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	0-5.83A	30W
Output voltage wave	25°C, rated input voltage, output with max. rated power	150mV	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	--	--	--

Protection

open circuit	Ta, input rated voltage, output without load	--	--
overload	Ta , 0.94-1.06 times of input voltage, 1.2 times of rated power	yes	--
Short circuit	Ta , input 0.94-1.06 times input voltage,	yes	--
Over temperature	IC detect temperature	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	--

Temperature and others

Operating temperature	--	-20° C ~ 45° C	--
Relative humidity	--	45% ~ 85%	--
max. Case temp.	--	90° C	--
products life span	under max Ta,input rated voltage and output max rated load		30,000hr
working noise	25°C, rated input voltage,output with rated power, mute box background noise<35dB, pickup 10cm distance from products		yes

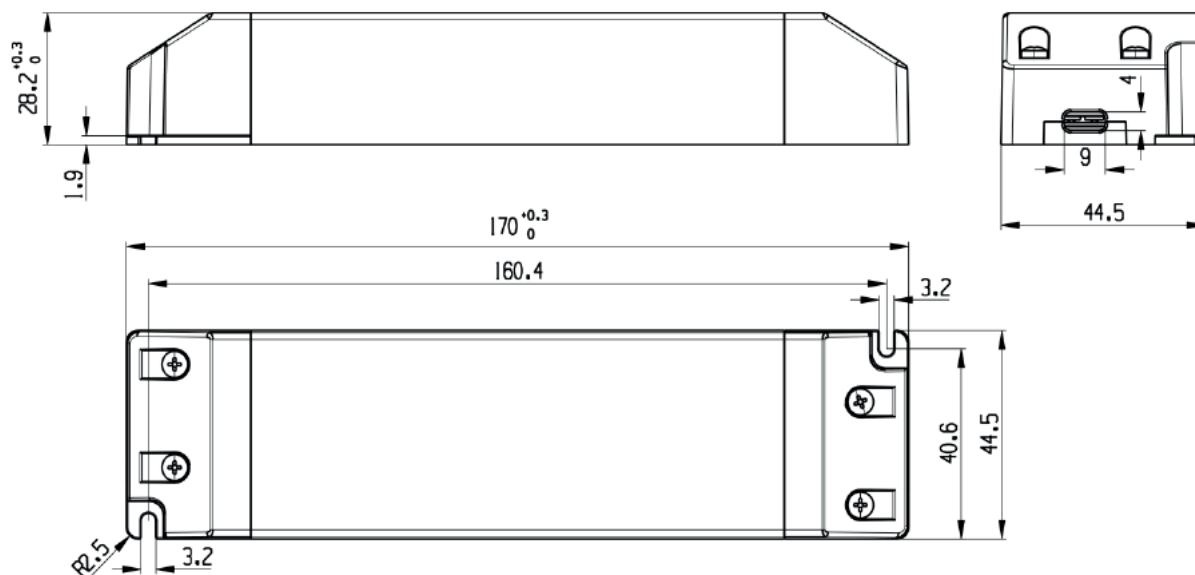
Mechanical, mounting

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	

Standard

Safety	IEC61347-1 IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMC	EN55015
EMC	EN61000-4-2, -3, -4, -5, -6, EN61547

Dimensions



Wiring Diagram

