

LED Power Supply

Constant Voltage LED Driver | Input 90 – 264V AC | Output 24V DC

Wide input voltage, flat and slim design, helpful for furniture or cabinet lighting application, for Europe and US markets. SELV. Open circuit, 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	90-264Vac	--
Input Frequency		50 Hz/60Hz	--
Input Current	25°C ,rated input voltage, output with max. rated power	<1A	--
Input Power		<90W	--
Efficiency		≥88%	--
Standby	25°C ,rated input voltage, output without load	<0.3W	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 , rated input voltage,output with max. rated power	<2S	180Vac 50Hz
Output voltage and precision	Ta , rated input voltage, output with rated power	24V±5%	>25V
Output current range	Ta , rated input voltage	0-3.125A	--
Output voltage wave	25 , rated input voltage,output with max. rated power	<300mV	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	--	--	--

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.	--	80° C	<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	<35dB	--

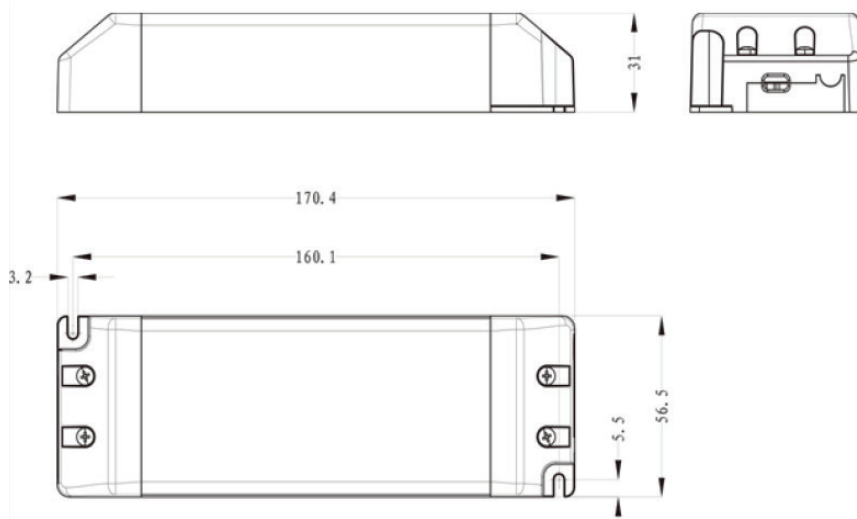
Mechanical, mounting

Case material and size	Plastic 170.4mm*56.5mm*31mm
Mounting ways	independent
Insulation type	Class 2
IP grade	IP20
Input cables dimension	18 AWG ,H03VVH2-F 2x0.75mm²
Output cables dimension	18 AWG ,H03VVH2-F 2x0.75mm²
Output cables length	2000mm

Standard request

Safety	IEC61347-1; IEC61347-2-13; UL8750
Harmonic	IEC61000-3-2
EMI	IEC55015 FCC PART15
EMS	IEC61547

Dimensions



Wiring Diagram

