

# LED Power Supply

## Constant Voltage LED Driver | Input 220 – 240V AC | Output 24V DC

High cost effective ,Super slim LED drivers, helpful for furniture, mirror and cabinet lighting. SELV.Open circuit, short circuit,overload and auto recovery. Class II, lifetime 30,000hrs.



items	conditions	request	note
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### Input

Input voltage	Ta	AC220-240V	--
Input Frequency		50Hz/60Hz	--
Input Current		<0.17A	--
Input Power	25°C, rated input voltage, output with max. rated power	<34W	--
Efficiency		≥87%	--
Standby	25°C rated input voltage, output without load	<0.5W	Average
Inrush Current	25°C, rated input voltage	<30A	230V/50Hz
THD	25°C, rated input voltage, output max. rated power	<10%	230V/50Hz
PF	25°C, rated input voltage, output max. rated power	≥0.98	230V/50Hz

### Output

Startup time	25°C, rated input voltage, output with max. rated power	<0.5S	230V
Output voltage and precision	Ta , rated input voltage, output with rated power	24V±5%	--
Output current range	Ta , rated input voltage	0-1.25A	
Output voltage wave	25°C, rated input voltage, output with max. rated power	<3%	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	Output load can be worked with PWM/1-10V dimmer	PWM frequency >1KHZ	--

**Protection**

open circuit	Ta,input rated voltage, output without load	yes	--
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	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 voltage, over heat re-start after cut off	--	--

**Temperature and others**

Operating temperature	--	-20° C ~ 45° C	--
Relative humidity	--	10%~90%	--
max. Case temp.	--	85° C	--
products life span	under max Ta,input rated voltage and output max rated load	30,000hr	--
MTBF	Max.Ta,rated input voltage,output withmax.rated power	200,000hr	
working noise	25°C, rated input voltage,output with rated power, mute box background noise<35dB, pickup 10cm distance from products	<35dB	--

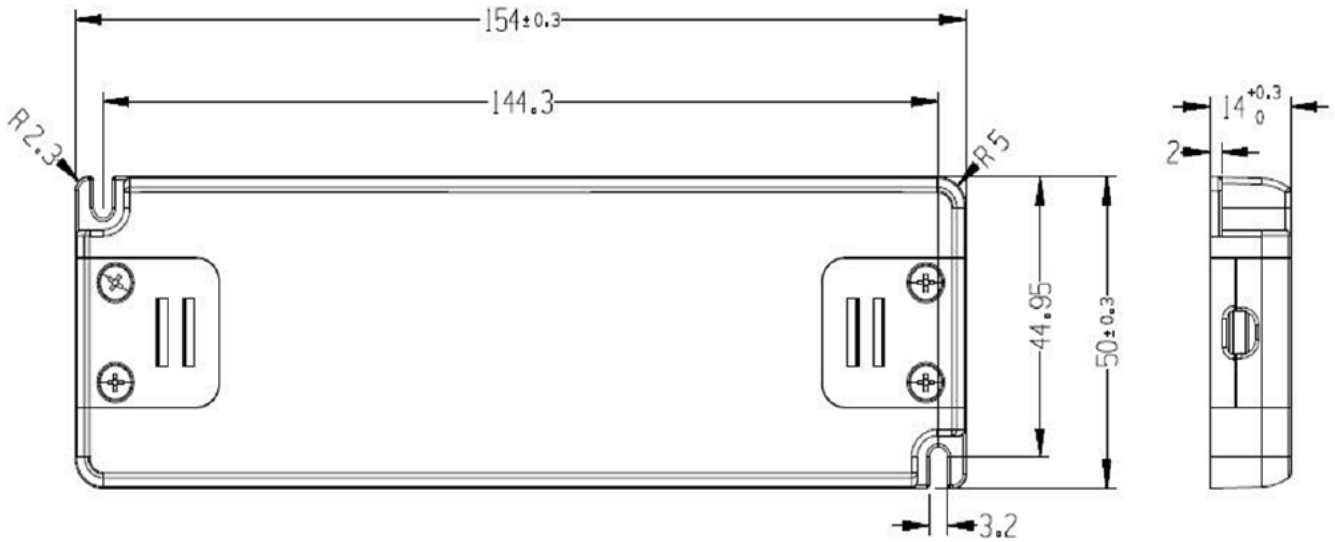
**Mechanical, mounting**

Case material and size	Plastic case
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2x0.75mm <sup>2</sup>
Output cables dimension	H03VVH2-F 2x0.75mm <sup>2</sup>
Output cables length	2 Meters Max.

**Standard request**

Safety	IEC61347-1 IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMI	IEC55015
EMS	EN61000-4-2, 3, 4, 5, 6 EN61547

**Dimensions**



**Wiring Diagram**

