

LED Power Supply

Constant Voltage LED Driver | Input 200-240V AC | Output voltage 24V DC

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



Items	Conditions	Request	Note
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1. Input

Input voltage	Ta	200-240V	--
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	<0.64A	--
Input power		<115W	--
Efficiency		≥90%	--
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	--

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	24V±5%	--
Output current range	Ta, rated input voltage	0 - 4.17A	
Output voltage wave	25°C, rated input voltage, output with max. rated power	250mV	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.	--	90° 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 backgroun noise<35dB, pickup 10cm distance from products	yes	--

4. Mechanical, mounting

Case material and size	Plastic
Mounting ways	Independent
Insulation type	Class II
IP grade	IP44
Input cables dimension	HO5VVH2-F 2*1.0MM2
Output cables dimension	HO5VVH2-F 2*1.0MM2
Output cables length	---

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

