

LED Driver 12vdc 150W IP67

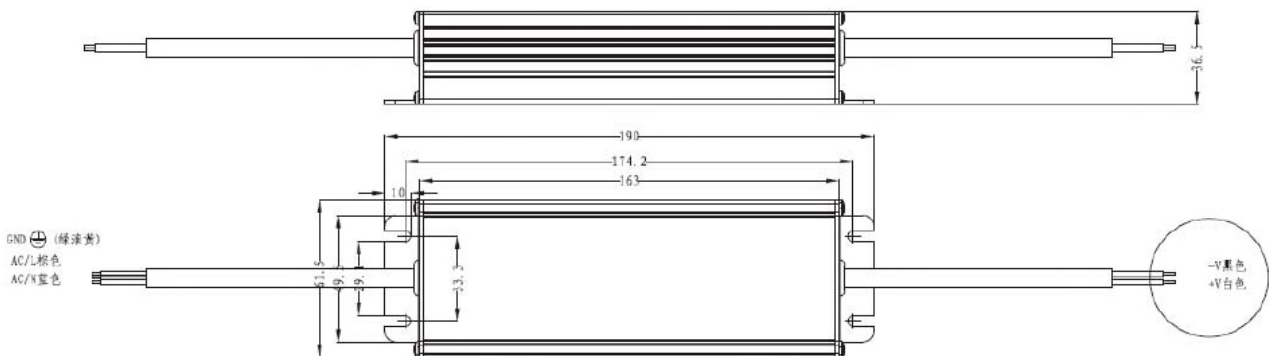
PowerPax



Features:

- Universal AC input 200-277vac
- Short circuit, overload, open circuit and over temperature protections
- Built in active PFC
- Cooling by free air convection for high reliability
- 100% ageing test on full load
- 3 Year Warranty
- Compliance to lighting safety standards

Dimensions: 190 x 61.5 x 36.5mm



Input and output cables are 20cm + 3cm stripped section

Wiring Diagram



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·Input

Items	Conditions	Request	Note
Input voltage	Ta	AC200-277V	--
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	< 1A	--
Input power		< 170W	--
Efficiency		≥ 90%	--
Standby		25°C, rated input voltage, output without load	<0.50W
Inrush current	25°C, rated input voltage	<75A	peak
PF	25°C, rated input voltage, output max. rated power	≥ 0.9	--

·Output

Items	Conditions	Request	Note
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	0-12.5A	
Output voltage wave	25°C, rated input voltage, output with max. rated power	300mV	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	--	--	--

·Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-60°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 background noise < 35dB, pickup 10cm distance from products	yes	--

·Mechanical, mounting

Items	Conditions
Case material and size	Alluminum
Mounting ways	Independent
Insulation type	Class I
IP grade	IP67
Input cables dimension	SJTW 18AWG
Output cables dimension	SJTW 16AWG
Output cables length	Max.2 meters

·Protection

Items	Conditions	Request	Note
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	--

·Standard

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