

LED POWER SUPPLY DATASHEET



SP75-24VLT

·DESCRIPTION

SP75 is a feature products that can CV triac dimmable, High cost performance, open circuit, short circuit, overload and over temperature protection, Built-in PFC function. Comply with EMC certification, Lifetime 30,000hrs.

·Input

Items	Conditions	Request	Note
Input voltage	Ta	220-240Vac	--
Input frequency		50Hz	--
Input current	25°C, rated input voltage, output with max. rated power	< 1A	--
Input power		< 86W	--
Efficiency		≥ 85%	--
Inrush current	25°C, rated input voltage	< 75A	peak
PF	25°C, rated input voltage, output max. rated power	≥ 0.9	--
Add a switch between the city power and the driver, then can meet the latest ERP requirements			

·Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-45°C	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	85°C	< 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 < 30dB, pickup 10cm distance from products	< 35dB	--

·Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.1 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 heat re-start after cut off	Yes	--

·Output

Items	Conditions	Request	Note
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%	< 25V
Output current range	Ta, rated input voltage	1-3.125A	--
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	triac leading and trailing dimmer	TRIAC	--
Dimming range	--	10%-100%	@230V

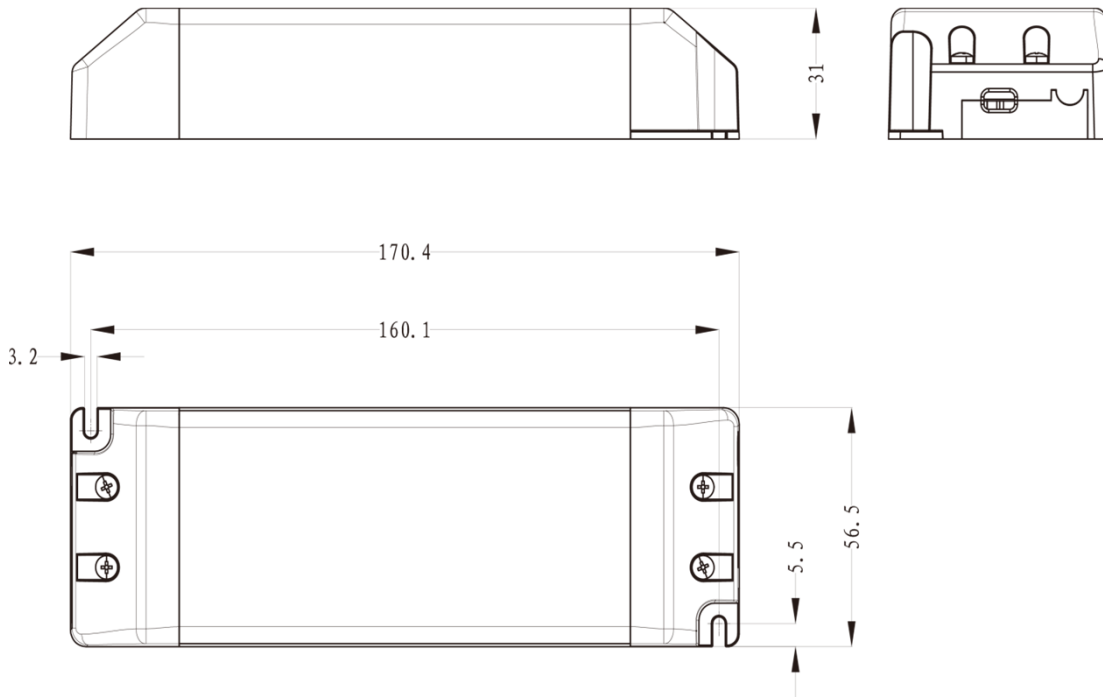
·Mechanical, mounting

Items	Conditions
Case material and size	Plastic case, 170.4mm*56.5mm*31mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2x0.75mm ²
Output cables dimension	H03VVH2-F 2x1.0mm ²
Output cables length	Max 2000mm

·Standard

Items	Conditions
Safety	IEC61347-1, IEC61347-2-13 (Combine with light IEC60598)
Harmonic	IEC61000-3-2
EMI	IEC55015
EMS	IEC61547

● **Dimensions(mm)**



● **Wiring Diagram**

