



# 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, 1.3 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 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 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

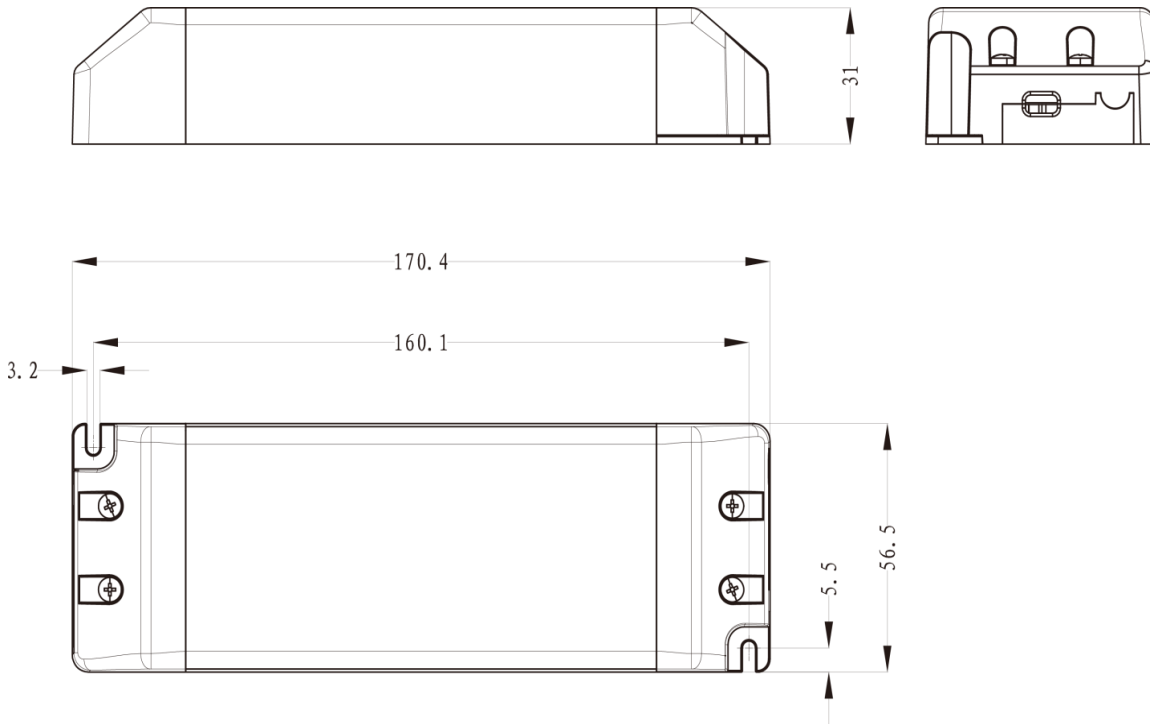
## Mechanical, mounting

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 2x0.75mm²
Output cables dimension	H03VVH2-F 2x1.0mm²
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**

