



# LED POWER SUPPLY DATASHEET

## SS30-24VL

### DESCRIPTION

High Cost Performance, SELV. Open circuit, short circuit, overload and over temperature protection. Compliance to ERP directive, lifetime 50,000hrs. 5 years warranty.



#### ·Input

Items	Conditions	Request	Note
Rated Input voltage	Ta	AC220-240V	--
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	< 0.17A	230V/50HZ
Input power		< 35W	
Efficiency		86%	
Standby		25°C, rated input voltage, output without load	
Inrush current	25°C, rated input voltage	< 20A	230V/50HZ
THD	25°C, rated input voltage, output with max. rated power	< 10%	230V/50HZ
PF	25°C, rated input voltage, output max. rated power	≥ 0.9	230V/50HZ

#### ·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%	--
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
Line Regulation	Ta output with rated power	1%	--
Load Regulation	Ta, rated input voltage	1%	--

#### ·Temperate and others

Items	Conditions	Request	Note
Operation temp.	--	-20-45°C	--
Relative humidity	--	10%-90%	--
Max. case temp.	--	80°C	--
Lifetime MTBF	Below Tc80°C, rated input voltage, output with max. rated power	50,000hr	--
	Max. Ta, rated input voltage, output with max. 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	Yes	--

#### ·Mechanical, mounting

Items	Conditions
Case material and size	plastic
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	terminal, H03VVH2-F 2*0.75mm <sup>2</sup>
Output cables dimension	terminal, H03VVH2-F 2*0.75mm <sup>2</sup>
Output cables length	MAX 2m

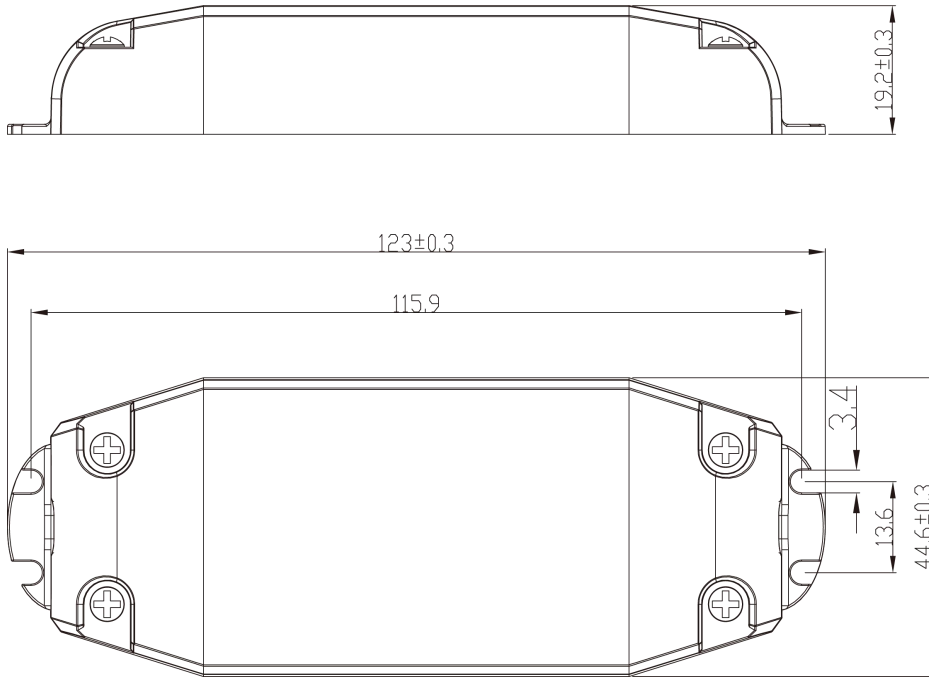
#### ·Protection

Item	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	Yes	--
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 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	Yes	--

#### ·Standard

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

## ● Dimensions(mm)



## ● Wiring Diagram

