



LED POWER SUPPLY DATASHEET

SPE320-24VLP

·DESCRIPTION

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



·Input

Items	Conditions	Request	Note
Input voltage	Ta	200-277VAC	--
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	< 2A	--
Input power		< 360W	--
Efficiency		≥ 90 %	--
Standby	25°C, rated input voltage, output without load	< 1.2W	average
Inrush current	25°C, rated input voltage	< 100A	peak
PF	25°C, rated input voltage, output max. rated power	≥ 0.9	--

·Temperature and others

Item	Conditions	Request	Note
Operation temp.	--	-40-50°C	--
Relative humidity	--	45%-95%	--
Max. case temp.	--	90°C	--
Warranty	Case temperature less than 75 °C	5 years	--
Working noise	25°C, rated input voltage, output with rated power, mute box background noise < 35dB, pickup 10cm distance from products	yes	--

·Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.6 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 1.3 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	--

·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	24V±5%	--
Output current range	Ta, rated input voltage	0-13.4A	320W
Output voltage wave	25°C, rated input voltage, output with max. rated power	500mV	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	--	--	--

·Mechanical, mounting

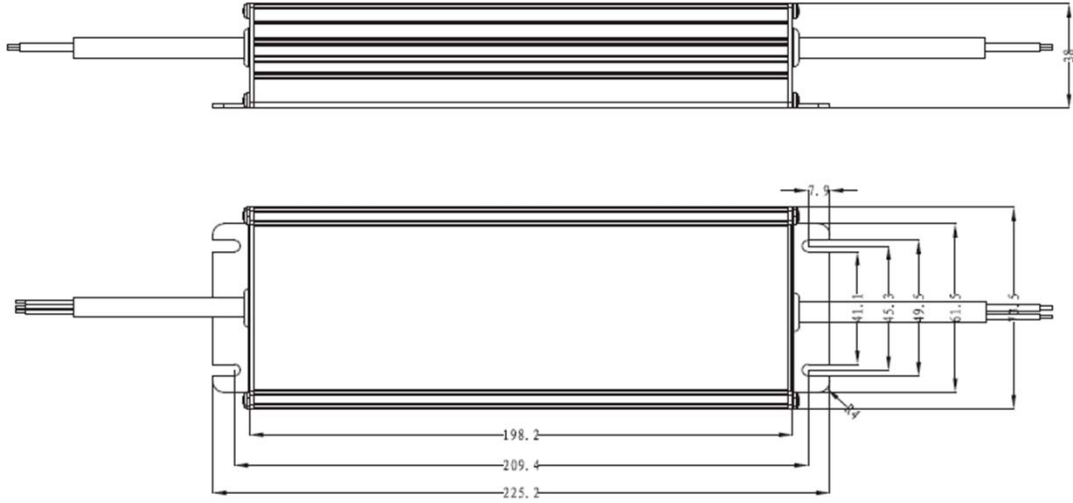
Items	Conditions
Case material and size	Alluminum
Mounting ways	Independent
Insulation type	Class I
IP grade	IP67
Input cables dimension	H05RN-F 3X1.0mm ²
Output cables dimension	SJTW
Output cables length	Max.2 meters

·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



● **Dimensions(mm)**



● **Wiring Diagram**

