



# LED POWER SUPPLY DATASHEET

## SNP45-12VF-1

### ·Description

Linear type, helpful for profile lighting and lightboxes. SELV, short circuit, overload and restart function. Compliance to ERP directive, 5 years warranty.



### ·Input

Items	Conditions	Request	Note
Input voltage	Ta	200-240Vac	--
Input frequency		50Hz/60Hz	--
Input current		< 0.30A	--
Input power	25°C, rated input voltage, output with max. rated power	< 60W	--
Efficiency		≥ 85%	--
Standby	25°C, rated input voltage, output without load	<0.5W	average
Inrush current	25°C, rated input voltage	<60A	peak
PF	25°C, rated input voltage, output max. rated power	≥0.9	--

### ·Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20°C~45°C	--
Relative humidity	--	45%~85%	--
Max. case temp.	--	80°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	--

### ·Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.4 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	--
Output voltage and precision	Ta, rated input voltage, output with rated power	12V±5%	--
Output current range	Ta, rated input voltage	0-3.75A	
Output voltage wave	25°C, rated input voltage, output with max. rated power	180mV	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	--	--	--

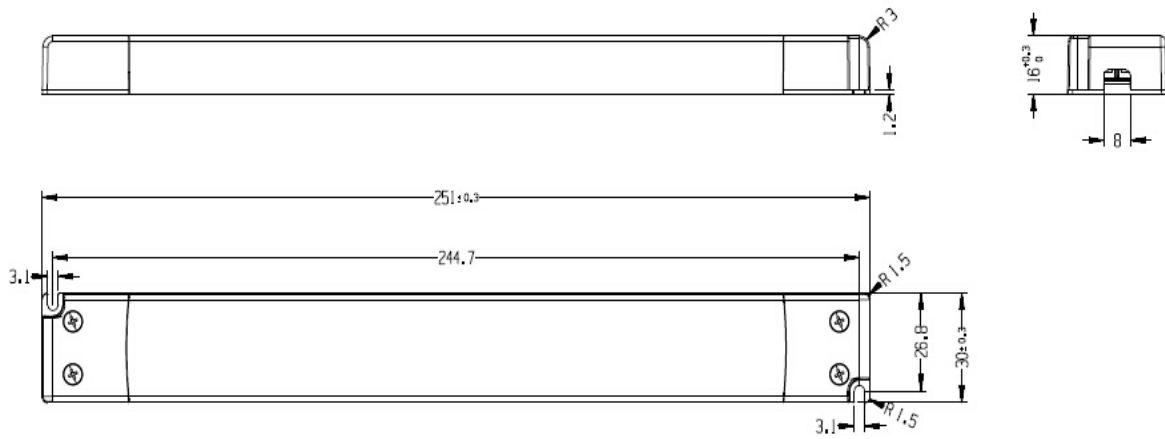
### ·Mechanical, mounting

Items	Conditions
Case material and size	Plastic, 251mm×30mm×16mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Output connection mode	Terminal block
Output connection mode	Terminal block
Output cables length	--

### ·Standard

Items	Conditions
Safety	IEC61347-1、IEC61347-2-13
Harmonic	IEC61000-3-2
EMI	IEC55015
EMS	IEC61547

**Dimensions(mm)**



**Wiring Diagram**

