

# LED POWER SUPPLY DATASHEET



SNP60-12VFP-1

**-DESCRIPTION**

Linear type LED drivers, IP66, helpful for outdoor signage and advertisement application.  
SELV. Open circuit, short circuit, overload and over temperature protection. Compliance to ERP directive, lifetime 30,000hrs.



**-Input**

Items	Conditions	Request	Note
Input voltage	Ta	AC200-240V	--
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	<0.5A	--
Input power		<75W	--
Efficiency		≥88%	Typical
Standby		25°C, rated input voltage, output without load	<0.5W
Inrush current	25°C, rated input voltage	<75A	peak
PF	25°C, rated input voltage, output max. rated power	≥0.90	--

**-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	--	--
Output voltage wave	25°C, rated input voltage, output with max. rated power	<600mV	Vp-p
Output overload	25°C, rated input voltage, output with 2 times LED load	--	--
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	--	--	--

**-Temperate and others**

Item	Conditions	Request	Note
Operation temp.	--	-20-45°C	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	80°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 <35dB, pickup 10cm distance from products	<35dB	--

**-Mechanical, mounting**

Items	Conditions
Case material and size	Plastic
Mounting ways	Independent
Insulation type	Class II
IP grade	IP66
Input cables dimension	
Output cables dimension	
Output cables length	2000mm

**-Protection**

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.2 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	--	--
Over voltage	Ta, 0.94-1.06 times of input voltage, output voltage is 1.5 times of rated one	--	--
Auto recovery	Over load, short circuit revocation	yes	--
Latch off	Over voltage, over heat re-start after cut off	--	--

**-Standard**

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

Dimensions(mm)

