



# LED POWER SUPPLY DATASHEET

## SNP100-12VFC

### ·DESCRIPTION

The input connection mode of this product is AC8 socket, and the output connection mode is 6 parallel connectors. In order to improve the safety of the product, open circuit, short circuit, overload and over-temperature protection functions are added to the circuit. Comply with low standby power consumption standard according to ERP instructions. Warranty is 5 years.



#### ·Input

Items	Conditions	Request	Note
Input voltage	Ta	200-240V	--
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	< 0.70A	--
Input power		< 115W	--
Efficiency		≥ 90 %	Typical
Standby	25°C, rated input voltage, output without load	--	average
Inrush current	25°C, rated input voltage	< 75A	peak
PF	25°C, rated input voltage, output max. rated power	≥ 0.9	--

#### ·Temperate and others

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

#### ·Protection

Items	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 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 recovation	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	--	--
Output voltage and precision	Ta, rated input voltage, output with rated power	12V±5%	--
Output current range	Ta, rated input voltage	0-8.33A	--
Output voltage wave	25°C, rated input voltage, output with max. rated power	250mV	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	--	--	--

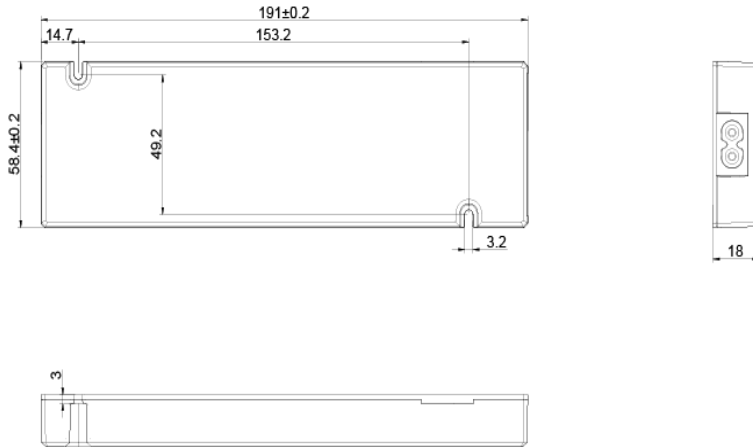
#### ·Mechanical, mounting

Items	Conditions
Case material and size	Plastic
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	AC8 socket (Up N down L)
Output cables dimension	connector (Up - Down+)
Output cables length	--

#### ·Standard

Items	Conditions
Safety	IEC61347-1、IEC61347-2-13
Harmonic	IEC61000-3-2 class C
EMI	IEC55015
EMS	EN61000-4-2,3,4,5,6 EN61547

## Dimensions(mm)



## Wiring Diagram

