

# LED Power Supply

**Constant Voltage LED Driver | Input 90-132V AC | Output voltage 12V DC**

Special design with height less than 17mm. It is very helpful for furniture, cabinet, mirror lighting and lightbox application. short circuit, overload and over temperature protection. Lifetime 30,000hrs. Class 2 standard



Items	Conditions	Request	Note
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### 1. Input

Items	Conditions	Request	Note	
Input voltage	Ta	AC90-132 V	180-264 VAC	
Input frequency		50/60Hz	50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	<0.8A	<0.6A	--
Input power		<70W	<88W	--
Efficiency		≥86%	≥88%	--
Standby	25°C, rated input voltage, output without load	<0.5W	<0.5W	average
Inrush current	25°C, rated input voltage	<50A	<75A	peak
PF	25°C, rated input voltage, output max. rated power	≥0.95	≥0.90	--

### 2. Output

Startup time	25°C, rated input voltage, output with max. rated power	<1s	<0.5S	--
Output voltage and precision	Ta , rated input voltage, output with rated power	12V±5%	12V±5%	--
Output current range	Ta ,rated input voltage	0 – 5.0A	0 – 6.5 A	60W
Output voltage wave	25°C, rated input voltage, output with max. rated power	300mV	<400mV	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	--	--		--

## SNP60-12VF-1(UL)

### 3. Temperate and others

Operation temp.	--	-20°C-45°C	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	80°C   85°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 backgroun noise<35dB,pickup 10cm distance from products	yes	--

### 4. Mechanical, mounting

Case material and size	Plastic case
Mounting ways	Independent
Insulation type	Class 2
IP grade	IP20
Input cables dimension	SPT-2 18AWG
Output cables dimension	SPT-2 18AWG
Output cables length	Max. 2M

### 5. Protection

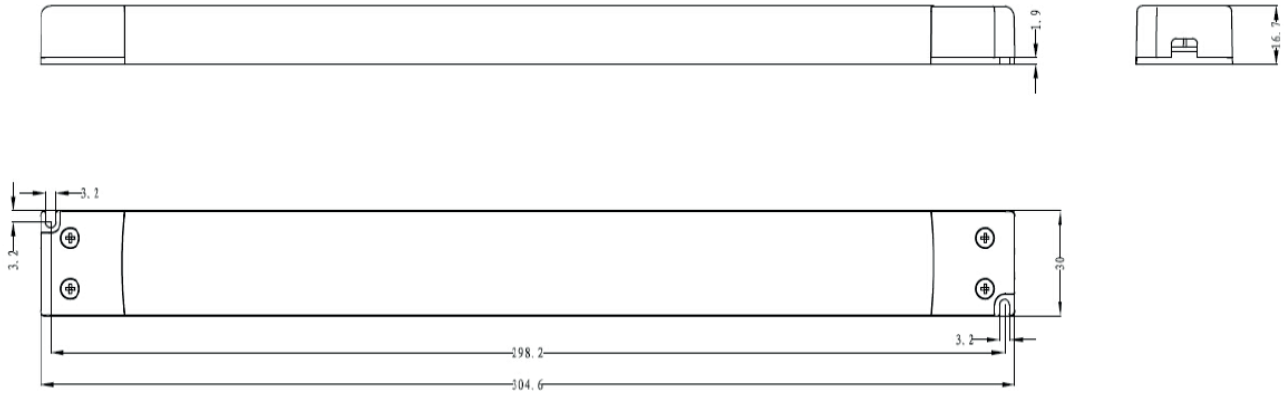
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta ,0.94-1.06 times of input voltage, 1.2 times of rated power	yes	--
Short circuit	Ta ,0.94-1.06 times of input voltage	yes	--
Over temperature	Ta ,0.94-1.06 times of input voltage, temperature detected pointed more than 115 degree	yes	--
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 voltage, over heat re-start after cut off	yes	--

### 6.Standard

Safety	IEC61347-1 IEC61347-2-13	UL8750
Harmonic	EN61000-3-2 Class C	--
EMI	EN55015	FCC PART15 CLASSB
EMS	EN61000-4-2 3 4 5 6 EN61547	--

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**7. Dimensions in mm**



**. Wiring Diagram**

