

# LED Power Supply

**Constant Voltage LED Driver | Input 200-240V AC | Output voltage 24V DC**

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.



Items	Conditions	Request	Note
<b>1. Input</b>			
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	average
Inrush current	25°C, rated input voltage	<75A	peak
PF	25°C, rated input voltage, output max. rated power	≥0.90	--

<b>2. Output</b>			
Startup time	25°C, rated input voltage, output with max. rated power	<0.5s	180Vac 50Hz
Output voltage and precision	Ta, rated input voltage, output with rated power	24V±5%	<26V
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	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	--	--	--

**3. Temperate and others**

Operation temp.	--	-20°C-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 backgroun noise<35dB,pickup 10cm distance from products	<35dB	--

**4. Mechanical, mounting**

Case material and size	Plastic 297x30x18 (LxWxH)
Mounting ways	Independent
Insulation type	Class II
IP grade	IP66
Input cables dimension	1 way output, Cable H05RN-F 2*1.0mm <sup>2</sup>
Output cables dimension	1 way output, Cable SVT 18AWG
Output cables length	2000mm

**5. Protection**

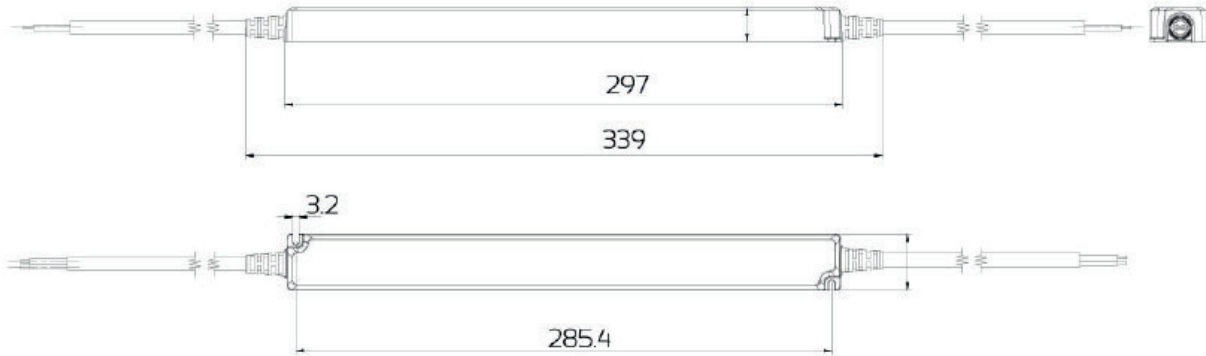
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta ,0.94-1.06 times of input voltage, 1.2 times of rated power	yes	--
Short circuit	Ta ,0.94-1.06 times of input voltage	yes	--
Over temperature	Ta ,0.94-1.06 times of input voltage, temperature detected pointed more than 115 degree	--	--
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	--	--

**6.Standard**

Safety	IEC61347-1,IEC61347-2-13 ( in combination with ilght IEC60598)
Harmonic	IEC61000-3-2
EMI	IEC55015
EMS	IEC61547

**SNP60-24VFP-1**

**7. Dimensions in mm**



**8. Wiring Diagram**

