

LED Power Supply

Constant Voltage LED Driver | Input 200 – 240V AC | Output 12V DC

Super slim LED drivers, helpful for furniture or cabinet lighting. SELV. Open circuit, short circuit, overload and over temperature protection. Compliance to ERP directive, lifetime 30,000hrs.



items	conditions	request	note
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Input

Input voltage	Ta	200-240Vac	--
Input Frequency		50Hz/60Hz	--
Input Current	25°C, rated input voltage, output with max. rated power	<0.3A	--
Input Power		<48W	--
Efficiency		≥85%	Typical
Standby	25°C, rated input voltage, output without load	<0.5W	Average
Inrush Current	25°C, rated input voltage	<70A	peak
PF	25°C, rated input voltage, output max. rated power	≥0.90	--

Output

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	0-3.33A	--
Output voltage wave	25°C, rated input voltage, output with max. rated power	240mV	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	--	--	--

Protection

open circuit	Ta, input rated voltage, output without load	yes	--
overload	Ta, 0.94-1.06 times of input voltage, 1.2 times of rated power	yes	--
Short circuit	Ta, input 0.94-1.06 times input voltage,	yes	--
Over temperature	IC detect temperature	yes	--
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	--	--

SNP40-12VF

Temperature and others

Operating temperature	--	-20° C ~ 45° C	--
Relative humidity	--	45%~ 85%	--
max. Case temp.	--	85° C	<90°C
products life span	under max Ta,input rated voltage and output max rated load	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

Case material and size	Plastic 160mmx58mmx18mm
Mounting ways	independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2x0.75mm ²
Output cables dimension	H03VVH2-F 2x0.75mm ²
Output cables length	

Standard request

Safety	IEC61347-1 IEC61347-2-13
Harmonic	IEC61000-3-2
EMC	IEC55015
EMC	IEC61547

Dimensions

