

LED POWER SUPPLY

Special design and linear type LED drivers,height 21mm.Suitable for the space installation requirements for the strip light.
 Has great advantage in furniture lighting and light box Strictly meet the latest EU safety and electromagnetic compatibility standard.
 Compliance to ERP directive,lifetime 30,000hrs



items	conditions	request	note
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Input

input voltage	Ta	200-240Vac	
input frequency		50/60Hz	
input current	25°C ,input rated voltage, output max rated load	<1.0A	
input power		120W	
Efficiency		≥90%	
Standby	25°C , rated input voltage, output without load	< 0.5W	Average
inrush current	25°C , rated input voltage	<60A	Peak
PF	25°C , rated input voltage, output max. rated power	≥ 0.9	

Output

startup time	25°C ,rated input voltage, output with max. rated power	<0.5S	
Output voltage and precision	rated input voltage, output with max. rated power	24V±5%	
Output current range	Ta ,rated input voltage	0-4.17A	
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, rated input voltage, no load	--	--
over load	Ta, 0.94-1.06 times of input voltage, 1.8times 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 re-start after cut off	yes	--

SL100-24VF

Temperature and others

operation temperature	--	-20° C – 45° C	--
Relative humidity	--	45%~ 85%	--
max case temperature	--	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

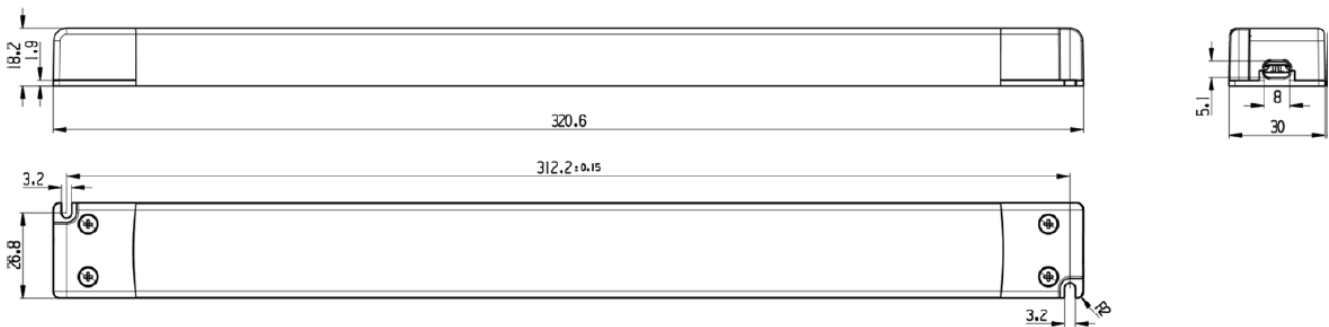
Mechanical, mounting

Case material and size	Plastic case		
Mounting ways	Independent		
Insulation type	Class II		
IP grade	IP20		
Input cables dimension	Terminal block + H03VVH2-F 2*0.75mm ²		
Output cables dimension	Terminal block + H05VVH2-F 2*1.0mm ²		
Protection Output cables length	--		

Standard

Safety	IEC61347-1, IEC61347-2-13		
Harmonic	EN61000-3-2 Class C		
EMI	EN55015		
EMS	EN61000-4-2, 3, 4, 5, 6 EN61547		

Dimensions



Wiring Diagram

