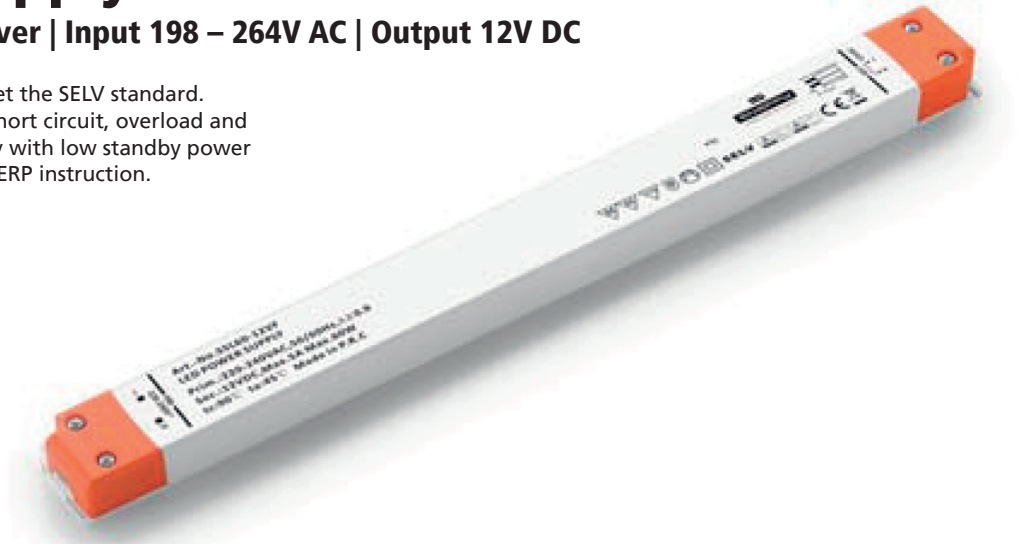


LED Power Supply

Constant Voltage LED Driver | Input 198 – 264V AC | Output 12V DC

High Cost Performance, Products meet the SELV standard.
 The circuit design has over voltage, short circuit, overload and over temperature protection. Comply with low standby power consumption standard according to ERP instruction.
 Lifetime is over 30,000hrs.



items	conditions	request	note
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Input

Input voltage	Ta	198-264Vac	--
Input Frequency		50/60Hz	--
Input Current	25°C, rated input voltage, output with max. rated power	<0.5A	--
Input Power		<75W	--
Efficiency		89%	--
Standby	25°C rated input voltage, output without load	--	Average
Inrush Current	25°C, rated input voltage	<70A	/50Hz
PF	25°C, rated input voltage, output max. rated power	0.97	

Output

Startup time	25°C, rated input voltage, output with max. rated power	<500mS	@230V
Output voltage and precision	Ta, rated input voltage, output with rated power	12V±5%	--
Output current range	Ta, rated input voltage	0-5A	
Output voltage wave	25°C, rated input voltage, output with max. rated power	<380mV	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	Constant voltage dimming mode	--	--
Dimming range	connect LED light load	--	--

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	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 revocation	yes	LED light load
Latch off	Over heat, over voltage, over load, short circuit re-start after cut off	--	--

Temperature and others

Operating temperature	--	-20° C ~ 45° C	--
Relative humidity	--	45%~85%	--
max. Case temp.	--	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 product	<35dB	--

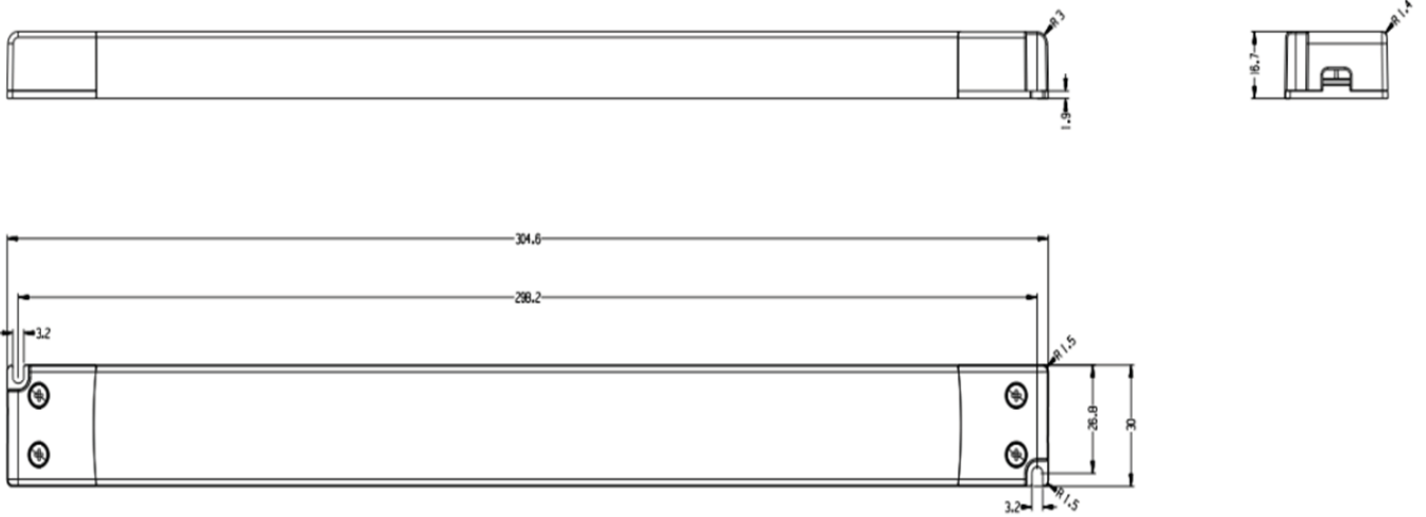
Mechanical, mounting

Case material and size	Plastic case L304.6*W30*H16.7mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2×0.75mm ²
Output cables dimension	H05VVH2-F 2×1.0mm ²
Output cables length	2 M Max.

Standard request

Safety	IEC61347-1 IEC61347-2-13(combine with light IEC60598)
Harmonic	IEC61000-3-2
EMI	IEC55015
EMS	IEC61547

Dimensions



Wiring Diagram

