

LED POWER SUPPLY DATASHEET

IP44 LED drivers, helpful for bathroom and kitchen lighting, SELV.
 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		50/60Hz	--
Input current	25°C ,rated input voltage, output with max. rated power	<0.22A	--
Input power		<37W	--
Efficiency		≥85%	--
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	≥0.90	--

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	24V±5%	--
Output current range	Ta ,rated input voltage	0-1.25A	--
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	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, 1.2 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	--	--

Temperature and others

Operation temperature	--	-20-45°C	
Relative humidity	--	45%-85%	
Max. case temp.	--	80°C	<80°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		<35dB --

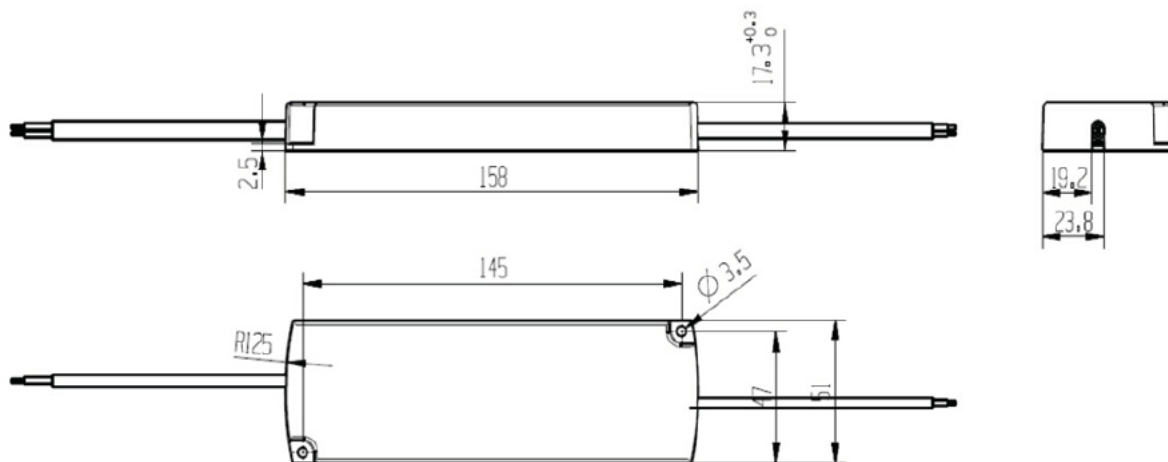
Mechanical, mounting

Case material and sizes	Plastic
Mounting ways	Independent
Insulation type	Class II
IP grade	IP44
Input cable dimension	H05VVH2-F 2x1.0mm ²
Output cable dimension	H03VVH2-F 2x0.75mm ²
Output cables length	15cm

Standard

Safety	IEC61347-1, IEC61347-2-13
Harmonic	IEC61000-3-2
EMI	IEC55015
EMS	IEC61547

Dimensions



Wiring Diagram

