



LED POWER SUPPLY DATASHEET

SSL60-24VF

DESCRIPTION

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, 5 years warranty.



Input

Items	Conditions	Request	Note
Input voltage range	Ta	198-264Vac	--
Input frequency		50/60Hz	--
Input current	25℃, rated input voltage, output with max. rated load	<0.5A	--
Input power		<75W	--
Efficiency		89%	--
Standby	25℃, rated input voltage, output without load	--	average
Inrush current	25℃, rated input voltage	<70A	peak
PF	25℃, rated input voltage, output max. rated load	0.97	--

Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-45℃	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	90℃	--
Lifetime	Max. Ta, rated input voltage, output with max. rated power	30,000hr	--
Working noise	25℃, rated input voltage, output with rated load, static speakers background noise <30dB, pick up head is 10cm far away from product	<35dB	--

Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, output without load	yes	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.6 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	yes	--
Over voltage	Ta, 0.94-1.06 times of input voltage, output voltage is 1.5 times of rated one	yes	--
Auto recovery	After over load, short circuit protection revocation	yes	LED light load
Latch off	Over load, short circuit protection re-start should after cut off	--	--

Output

Items	Conditions	Request	Note
Startup time	25℃, rated input voltage, output with max. rated load	≤500mS	@230V
Output voltage and precision	Ta, rated input voltage, output with rated load	24V±5%	--
Output current range	Ta, rated input voltage	0-2.5A	--
Output voltage wave	25℃, rated input voltage, output with max. rated load	≤380mV	Vp-p
Output overload	25℃, rated input voltage, output with 2 times LED load	yes	--
Output current and precision	Ta, rated input voltage, output with rated load	--	--
Rated output voltage range	Ta, rated input voltage	--	--
Output current wave	25℃, rated input voltage, output with max. rated load	--	Ip-p
Dimming mode	Constant voltage dimming mode	--	--
Dimming range	connect LED light load	--	--

Mechanical, mounting

Items	Conditions
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 2×0.75mm²
Output cables dimension	H05VVH2-F 2×1.0mm²
Output cables length	2M max.

Standard

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

