



LED POWER SUPPLY DATASHEET

SNP60-12VFD-1(Three in one dimmable)

· DESCRIPTION

Linear type LED drivers, high cost performance and meet SELV stanard. Widely used in all kinds of advertising light boxes and board, neon lights and other applications. Can also be applied in cabinet furniture and linear luminaire field. Compliance to ERP directive, lifetime 30,000 hrs. Slim design save much space for installation. Dimmable design meet the requirements for dimming of all kinds of linear light.

-Input

Items	Conditions	Request	Note
Input voltage	Та	AC180-264V	1
Input frequency		50/60Hz	-1
Input current		< 0.5A	
Input power	25°C,rated input voltage, output with max. rated power	< 70W	-
Efficiency		≥ 88%	1
Standby	25℃,rated input voltage, output without load	< 0.5W	average
Inrush current	25°C,rated input voltage	<75A	peak
PF	25 [°] C,rated input voltage, output max. rated power	≥ 0.9	

·Temperate and others

Item	Conditions	Request	Note
Operation temp.		-20-50°C	
Relative humidity		45%-85%	
Max. case temp.		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	yes	

·Frotection			
Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load		
Over load	Ta ,0.94-1.06 times of input voltage, 2 times of rated power	yes	
Short circuit	Ta ,0.94-1.06 times of input voltage	yes	1
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	
Latch off	Over voltage, over heat re-start after cut off	yes	-

-Output

Items	Conditions	Request	Note
Startup time	25℃, rated input voltage,output with max. rated power	< 0.5\$	
Output voltage and precisio	Ta , rated input voltage, output with rated power	12V±5%	
Output current range	Ta ,rated input voltage	0-5A	60W
Output voltage wave	25℃, rated input voltage,output with max. rated power	500mV	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 power		
Rated output voltage range	Ta , rated input voltage,		
Output current wave	25℃, rated input voltage,output with max. rated power		Ір-р
Dimming mode	0-10V;1-10V;PWM	yes	
Dimming range	0-100%	yes	
Software version	SNP002.1.0.20°	18.11.23	

·Mechanical, mounting

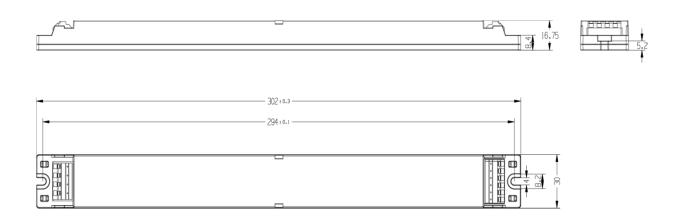
Items	Conditions
Case material and size	Plastic case
Mounting ways	Built in
Insulation type	-
IP grade	IP20
Input cables dimension	-
Output cables dimension	
Output cables length	

·Standard

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



Dimensions(mm)



Wiring Diagram

