

LED DRIVER TECHNICAL SPEC

CODE	SNP100-24VL(UE)		
Description	Constant voltage Led driver,input 100-240V AC,output 24V DC		
items	conditions	request	note
1.input			
1.1 rated input voltage	Ta	AC100-240V	
1.2 input voltage scope	Ta	AC90-264V	
1.3 input voltage frequency	Ta	50/60Hz	
1.4 input current	25°C,input rated voltage, output max rated load	<1.5A	
1.5 input power	25°C,input rated voltage, output max rated load	<120W	
1.6 Efficiency	25°C,input rated voltage, output max rated load	≥90%	Typical
1.7 power consumption without load	25°C,input rated voltage,output without load	<0.5W	Average
1.8 power factor	25°C,input rated voltage, output max rated load	≥0.90	
1.9 input surge current	25°C,input rated voltage, output max rated load	<75A	Peak
2.output			
2.1 time to start	25°C,input rated voltage, output max rated load	<0.5S@230V 50Hz	
2.2 Max output current	Under Ta,input rated voltage, output rated load	4.17A Max.	
2.3 rated output power/led lights quantity	Under Ta,input rated voltage	--	VF=3.6V
2.4 output current ripple	25°C,input rated voltage, output max rated load	--	Ip-p
2.5 overshoot	25°C,input rated voltage,output for 2 lights connection,	--	
2.5 rated output voltage and precison	Under Ta,input rated voltage,output rated load	24V±5%	
2.6 output voltage ripple	25°C,input rated voltage, output max rated load	<500mV	Vp-p
2.7 output open circuit voltage	Under Ta,input rated voltage, output without load	<26V	
2.8 dimmable mode			
2.9 dimmable scope		--	
3. protection			
3.1 open protection	25°C,input rated voltage, output without load	"--	
3.2 overload protection	Under Ta,input 0.94-1.06 times rated voltage,output 1.1 times rated load	yes	
3.3 short protection	Under Ta,input 0.94-1.06 times rated voltage,output short circuit for 1 hour	yes	
3.4 over temperature protection	before Tc temperature reaches 115°C	"--	
3.5 automatic re-start	Under Ta overload, short, over temperature protection retreated	yes	
4. temperature and others			
4.1 working temperature		-20°C~45°C	
4.2 comparative humidity		45%~85%	
4.3 max cover temperature		80°C	<90°C
4.4 products life span	Under max Ta,input rated voltage and output max rated load	30000hr	
4.5 working noise	25°C,input rated voltage,output rated load,background noise<30dB, voice source is 10cm far away from product	<35dB	
5. mechanical structure, mounting and connection way			
5.1 cover material and sizes	Plastic housing ,180mmX65.5mmX31.2mm		
5.2 mouting ways	independent		
5.3 anti-electric shock	Class II		
5.4 protection grade	IP20		
5.5 input connection way	1 way, terminal block,H03VVH2-F 2X0.75mm2 or SPT-2 18AWG		
5.6 output connection way	1 way, terminal block,H03VVH2-F 2X1.0mm2 or SPT-2 16AWG		
5.7 output wires length	2m max		
6. Standard request			
6.1 security	IEC61347-1、 IEC61347-2-13(with light IEC60598)		
6.2 harmonic	25°C,input rated voltage,MAX rated load	IEC61000-3-2	
6.3 EMC--interfere	25°C,input rated voltage,load is typical lights	IEC55015	
6.4 EMC--ANTI interfere	25°C,input rated voltage,load is lights	IEC61547	
6.5 Mark	F and MM mark		
Made		version	A2
Inspection			
Approval			