

# LED DRIVER TECHNICAL SPEC

<b>CODE</b>	SNP100-12VL-E		
<b>Description</b>	Constant voltage Led driver,input 200-240V AC,output 12V DC		
<b>items</b>	<b>conditions</b>	<b>request</b>	<b>note</b>
<b>1.input</b>			
1.1 rated input voltage	Ta	AC200-240V	
1.2 input voltage scope	Ta	AC180-264V	
1.3 input voltage frequency	Ta	50/60Hz	
1.4 input current	25℃,input rated voltage, output max rated load	<0.7A	
1.5 input power	25℃,input rated voltage, output max rated load	<100W	
1.6 Efficiency	25℃,input rated voltage, output max rated load	≥90%	Typical
1.7 power consumption without load	25℃,input rated voltage,output without load	<0.5W	Average
1.8 power factor	25℃,input rated voltage, output max rated load	≥0.90	
1.9 input surge current	25℃,input rated voltage, output max rated load	<75A	Peak
<b>2.output</b>			
2.1 time to start	25℃,input rated voltage, output max rated load	<0.5S@230V 50Hz	
2.2 max output current	Under Ta,input rated voltage, output rated load	6.7A max.	
2.3 rated output power/led lights quantity	Under Ta,input rated voltage	--	VF=3.6V
2.4 output current ripple	25℃,input rated voltage, output max rated load	--	Ip-p
2.5 overshoot	25℃,input rated voltage,output for 2 lights connection,	--	
2.5 rated output voltage and precision	Under Ta,input rated voltage,output rated load	12V±5%	
2.6 output voltage ripple	25℃,input rated voltage, output max rated load	<300mV	Vp-p
2.7 output open circuit voltage	Under Ta,input rated voltage, output without load	<13V	
2.8 dimmable mode			
2.9 dimmable scope		--	
<b>3. protection</b>			
3.1 open protection	25℃,input rated voltage, output without load	--	
3.2 overload protection	Under Ta,input 0.94-1.06 times rated voltage,output 2.0 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℃	automatic recover	
3.5 automatic re-start	Under Ta overload, short, over temperature protection retreated	yes	
<b>4. temperature and others</b>			
4.1 working temperature		-20℃~45℃	
4.2 comparative humidity		45%~85%	
4.3 max cover temperature		80℃	<90℃
4.4 products life span	Under max Ta,input rated voltage and output max rated load	30000hr	
4.5 working noise	25℃,input rated voltage,output rated load,background noise<30dB, voice source is 10cm far away from product	<35dB	
<b>5. mechanical structure, mounting and connection way</b>			
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		
<b>6. Standard request</b>			
6.1 security	IEC61347-1、 IEC61347-2-13(with light IEC60598)		
6.2 harmonic	25℃,input rated voltage,MAX rated load	IEC61000-3-2	
6.3 EMI	25℃,input rated voltage,load is typical lights	IEC55015	
6.4 EMS	25℃,input rated voltage,load is lights	IEC61547	
6.5 Mark	F and MM mark		
<b>Made</b>		<b>version</b>	<b>A0</b>
<b>Inspection</b>			
<b>Approval</b>			