NL 15W

FEATURES

● 100% full load burn-in test

● Universal AC input

● Small size and high efficiency

● Built-in EMI filter with tiny ripple

● Protection: short circuit/over current/over load/over temperature

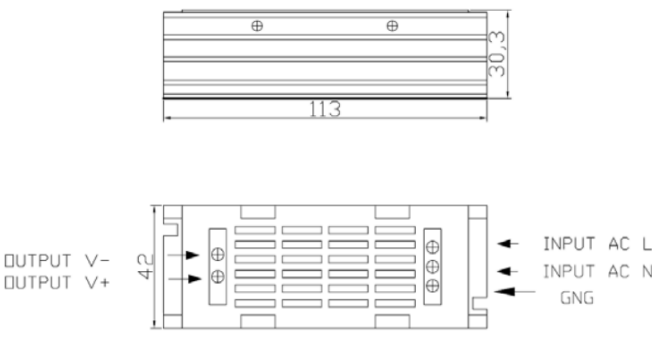|	MODEL		NL15-W1V12	NL15-W1V24	
OUTPUT	DC VOLTAGE		12V	24V	
	VOLTAGE TOLERANCE		±5%	±5%	
	RATED CURRENT		1.25A	0.63A	
	CURRENT RANGE		0-1.25A	0-0.63A	
	RATED POWER		15W	15W	
	RIPPLE& NOISE (MAX.)		100mVp-p	120mVp-p	
	POWER FACTOR(Typ.)		0.6	0.6	
INPUT	VOLTAGE RANGE		100-240VAC		
	FREQUENCY RANGE		50/60 Hz		
	AC CURRENT(Typ.)		0.36A/115V, 0.17A/230V		
	EFFICIENCY(Typ.)		85%	86%	
	COLD START CURRENT		36A/AC230V		
	SETUP, RISE, HOLD UP TIME		2000ms, 50ms, 20ms		
	NO-LOAD CURRENT		<10mA/240VAC		
PROTECTION	OVER LOAD		hiccup 105%~150% of the rated power 15W, recovers automatically after fault condition is removed		
	OVER CURRENT		hiccup over the maximum rated current, recovers automatically after fault condition is removed		
	SHORT CIRCUIT		hiccup short circuit, recovers automatically after fault condition is removed		
	OVER TEMP		hiccup the Rectifier ≥85°C, recovers automatically after temperature fall to environment temp		
ENVIRONMENT	WORKING TEMP		−20°C~+60°C (no frost)		
	WORKING HUMIDITY		20%~90%RH		
	STORAGE TEMP		−40°C~85°C		
	STORAGE HUMIDITY		10%~95%RH		
SAFETY&EMC	SAFETY STANDARDS		CE, ROHS		
	WITHSTAND VOLTAGE		I/P-O/P: 1.5KVAC/1min, I/P-F/G: 1.5KVAC/1min, O/P-F/G: 0.5KVAC/1min		
	EMC TESTING STANDARD		EN55022:2010; EN61000-3-2:2014; EN61000-3-3:2013;EN55024:2010+A1:2015 EN61347-1:2008+A1:2011+A2:2013; EN61347-2-13:2014		
REMARK	1. The above mentioned data were measured at 220VAC input and 25°C. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.				

Mechanical Specification

Terminal Assignment				Mechanical Specification
Pin No.	Assignment	Pin No.	Assignment	
1	AC INPUT/L	1	DC OUTPUT/-V	
2	AC INPUT/N	2	DC OUTPUT/+V	
3	⏚ FG			

Product model: NL35W

Packing and Weight

Dimension	113*42*30.3mm	Weight	0.133kg
Carton Dimension	430*278*250mm	Carton weight	0.5kg
Carton quantity		115pcs/carton	
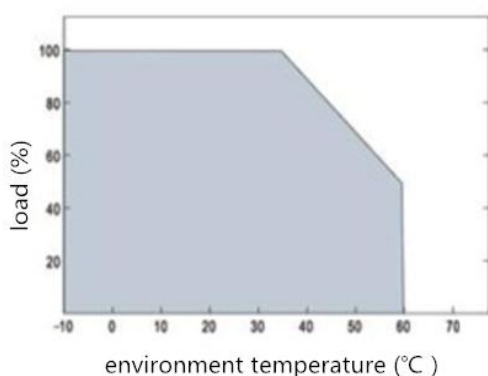
Derating Curve	Static Characteristics(12V)
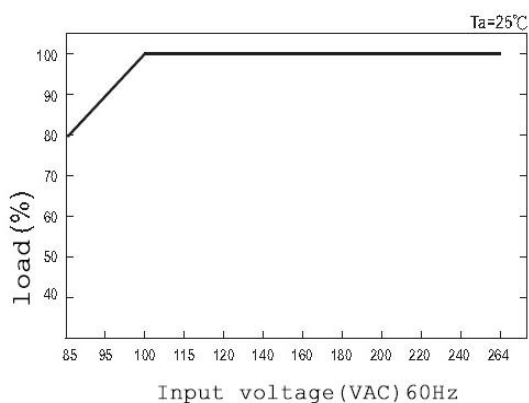
Note

1. Cut the AC input before checking any mal-phenomenons.

2. Make sure the INPUT&OUPUT were in right situation before connected to power supply.

3. Be ware of high power pressure may caused by short circut when installing metal casing products.

4. All the images and data are just for reference, specific please in kind prevail!

F&Q

A. First use, connect the LEDs to the power supply, correct AC&DC connection, but the LEDs are not light or other fault condition.

Q. Cut the AC input, check whether there are any poor contacts in the AC and DC terminals.

A. Correct connection, the LEDs is on but the brightness is too strong/too weak/flashing.

Q. Cut the AC input, check whether over load or short circuit.

After sale

Please contact us at eric@szshanpu.cc for further solution if any unforeable problem happens.