



NL 100W

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			NL100-W1V12	NL100-W1V24	
OUTPUT	DC VOLTAGE		12V	24V	
	VOLTAGE TOLERANCE		±5%	±5%	
	RATED CURRENT		8.3A	4.1A	
	CURRENT RANGE		0-8.3A	0-4.1A	
	RATED POWER		100W	100W	
	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.)	1.8A/115V, 1A/230V			
	EFFICIENCY(Typ.)	85%			
	COLD START CURRENT	40A/AC230V			
	SETUP, RISE, HOLD UP TIME	2000ms, 50ms, 20ms			
	NO-LOAD CURRENT	<10mA/240VAC			
PROTECTION	OVER LOAD	hiccup 105%~150% of the rated power 100W, 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	EN55022:2010; EN61000-3-2:2014; EN61000-3-3:2013;EN55024:2010+A1:2015			
	TESTING STANDARD	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.				

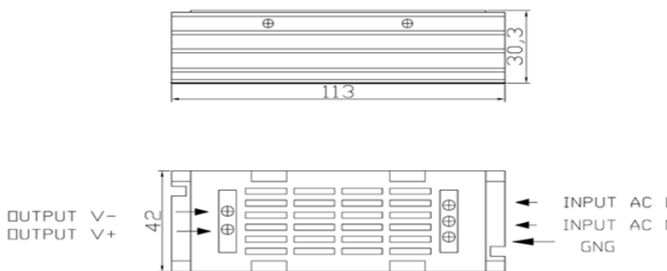
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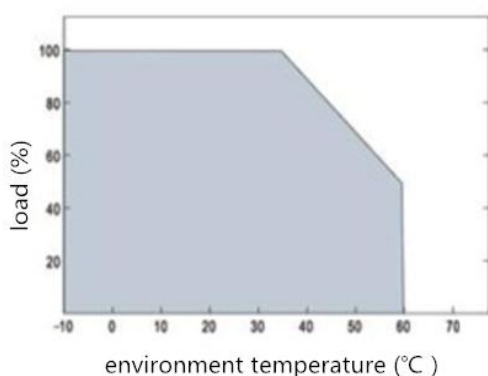
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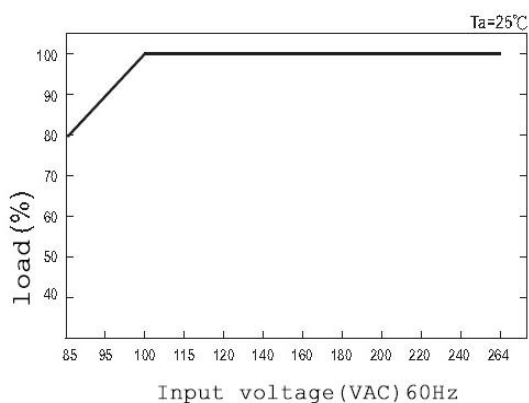
Mechanical Specification

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				
Packing and Weight					
Dimension	178*48.5*34.5mm	Weight	0.292kg		
Carton Dimension	430*278*250mm	Carton weight	0.5kg		
Carton quantity		64pcs/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 circuit 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.

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