

Project :

Date :

Cat. No. :

Type :

Notes :

Volts :

LED POWER SUPPLY CONSTANT VOLTAGE

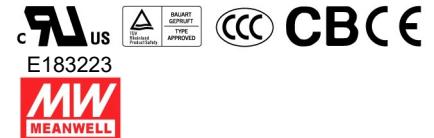
FEATURES:

- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 25 KHz



SPECIFICATION

MODEL	NTPSU12V-150W	NTPSU24V-150W
DC VOLTAGE	12V	24V
RATED CURRENT	12.5A	6.5A
CURRENT RANGE	0~12.5A	0~6.5A
RATED POWER	150W	156W
RIPPLE & NOISE (max.) Note.2	180mVp-p	240mVp-p
VOLTAGE ADJ. RANGE	10.6~3.2V	21~28V
VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%
LINE REGULATION	± 0.3%	± 0.2%
LOAD REGULATION	± 0.3%	± 0.2%
SETUP, RISE TIME	100ms, 50ms at full load	
HOLD UP TIME (Typ.)	28ms at full load	



INPUT	VOLTAGE RANGE	88~132VAC/176~264VAC selected by switch 248~370VDC		
	FREQUENCY RANGE	47~63Hz		
	EFFICIENCY (Typ.)	82%	85%	
	AC CURRENT (Typ.)	3.2A/115VAC 1.6/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 35A		
	LEAKAGE CURRENT	<3.5mA/240VAC		
PROTECTION	OVERLOAD Note.5	105~150% rated output power Protection type: Shut down o/p voltage, re-power on to recover		
	OVER VOLTAGE	13.8~16.2V	30~34.8V	
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C		
	WORKING HUMIDITY	20~90%RH non-condensing		
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10~95%RH		
	TEMP. COEFFICIENT	± 0.03%/°C (0~50°C)		
	VIBRATION	10~500Hz, 2G 10 min. / 1 cycle, 60min. each along X,Y,Z axes		
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL1012, UL60950-1, TUV EN60950-1, CCC GB4943 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG: 1.5KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC/25°C/70%RH		
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,3		
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A		
	MTBF	286.7K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	199*110*50mm (L*W*H)		
NOTE	PACKING	038Kg, 16pcs/13.8Kg/0.95CUFT		
	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 5. If the power supply is short-circuited under no load, it will recover automatically when short-circuit is removed.</p>			

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This specification is valid as of 2022-10 and is subject to change without notice. Please confirm with the manufacturer before placing an order.
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