

Project :	Date :
Cat. No. :	Type :
Notes :	Volts :

LED POWER SUPPLY CONSTANT VOLTAGE

■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC Fan
- Built-in fan speed control



MODEL	NTPSU12V-320W	NTPSU24V-320W	
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	26.7A	13.4A
	CURRENT RANGE	0 ~ 26.7A	0 ~ 13.4A
	RATED POWER	320.4W	321.6W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	10 ~ 13.2V	20 ~ 26.4V
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%
	LINE REGULATION	±0.3%	±0.2%
	LOAD REGULATION	±0.5%	±0.5%
	SETUP, RISE TIME	1500ms, 50ms/230VAC	3000ms, 50ms/115VAC at full load
HOLD UP TIME (Typ.)	8ms at full load	230VAC /115VAC	
INPUT	VOLTAGE RANGE Note.4	88 ~ 264VAC	124 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz	
	POWER FACTOR (Typ.)	PF>0.95/230VAC	PF>0.98/115VAC at full load
	EFFICIENCY (Typ.)	88%	89%
	AC CURRENT (Typ.)	4A/115VAC	2A/230VAC
	INRUSH CURRENT (Typ.)	20A/115VAC	40A/230VAC
	LEAKAGE CURRENT	<1mA / 240VAC	
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	OVER VOLTAGE	13.8 ~ 16.2V	27.6 ~ 32.4V
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down	
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EAC TP TC 004, CCC GB4943.1 approved	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	I/P-FG:2KVAC 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 EN55032 (CISPR32) Class B, EN61000-3-2, -3, EAC TP TC 020, GB9254 Class B, GB17625.1	
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020		
OTHERS	MTBF	206.5K hrs min.	MIL-HDBK-217F (25°C)
	DIMENSION	215*115*30mm (L*W*H)	
	PACKING	0.9Kg; 15pcs/14.5Kg/0.78CUFT	
NOTE	<ol style="list-style-type: none"> 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. Derating may be needed under low input voltages. Please check the derating curve for more details. 5. 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) 6. For charging related applications, please consult Mean Well for details. 7. Strongly recommended that external output capacitance should not exceed 5000uF. (Only for: RSP-320-2.5/-3.3/-4/-5/-7.5/-12/-13.5/-15) 8. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). 		

