

Project :

Date :

Cat. No. :

Type :

Notes :

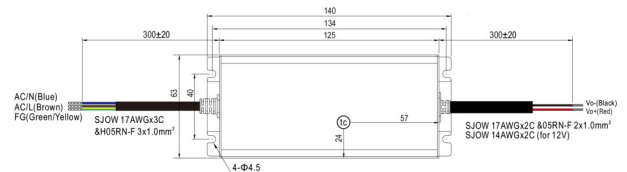
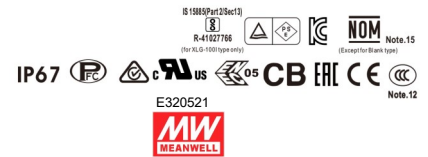
Volts :

Features

- Wide input range 100~305VAC(Class I)
- Full power output at 70~100% Constant power mode operation
- Metal case with IP67, suitable for outdoor application
- LVLE (H type) Class 2 (24V) power unit
- Surge protection with 6KV/4KV (10KV/6KV optional)



MODEL	NTPSUXLG-100-12-A (CLASSE 1)	NTPSUXLG-100-24-A (CLASSE 2)		
OUTPUT	DC VOLTAGE	12V	24V	
	CONSTANT CURRENT REGION Note.2	8.4~ 12V	16.8~ 24V	
	RATED CURRENT	8A	4A	
	RATED POWER	96W	96W	
	RIPPLE & NOISE (max.) Note.3	150mVp-p	240mVp-p	
	CURRENT ADJ RANGE	Adjustable for A/AB-Type only (via the built-in potentiometer) 4 ~ 8A	2~4A	
	VOLTAGE TOLERANCE Note.4	±3.0%	±2.0%	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±2%	±1%	
	SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1200ms, 100ms/115VAC		
HOLD UP TIME (Typ.)	12ms/ 230VAC 12ms/ 115VAC			
INPUT	VOLTAGE RANGE Note.5	100 ~ 305VAC 142 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR	PF ≥ 0.97/115VAC, PF ≥ 0.95/230VAC, PF ≥ 0.92/277VAC@full load		
	TOTAL HARMONIC DISTORTION	THD < 10% (@load≥50%/115VAC,230VAC; @load≥75%/277VAC)		
	EFFICIENCY (Typ.)	92%	92%	
	AC CURRENT	1.1A/ 115VAC 0.5A / 230VAC 0.42A/277VAC		
	INRUSH CURRENT(Typ.)	COLD START 50A(width=300µs measured at 50% Ipeak) at 230VAC; Per NEMA 410		
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	8units (circuit breaker of type B) / 14 units (circuit breaker of type C) at 230VAC		
	LEAKAGE CURRENT	<0.75mA / 277VAC		
	NO LOAD POWER CONSUMPTION	No load power consumption <0.5W(for standard version)		
PROTECTION	OVER CURRENT	95 ~ 108% Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed		
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed		
	OVER VOLTAGE	13.5 ~ 18V Shut down output voltage, re-power on to recover	27 ~ 34V	
	INPUT OVER VOLTAGE Note.7	320 ~ 390VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault condition is removed) Can survive input voltage stress of 440Vac for 48 hours @ 75°C max		
	OVER TEMPERATURE	Shut down output voltage, re-power on to recover		
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)		
	MAX. CASE TEMP.	Tcase=+90°C		
	WORKING HUMIDITY	20 ~ 95% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +90°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)		
EMC SAFETY &	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes		
	SAFETY STANDARDS Note.7	UL8750(type"HL"), UL879 CSA C22.2 No. 250.13-12, ENEC EN61347-1, EN61347-2-13 Independent, EN62384; GB19510.1, GB19510.14; EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), KC61347-1, KC61347-2-13, IS15885(Part2/Sec13)(for XLG-1001 type only); NOM-058-SCFI-2017(except for Blank type); IP67 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH		
	EMC EMISSION	Parameter	Standard	Test Level/Note
		Conducted	EN55015(CISPR15), GB/T17743	-----
		Radiated	EN55015(CISPR15), GB/T17743	-----
		Harmonic Current	EN61000-3-2, GB/T17625.1	Class C @load≥50%
	EMC IMMUNITY	Voltage Flicker	EN61000-3-3	-----
		EN61547		
Parameter		Standard	Test Level/Note	
ESD		EN61000-4-2	Level 3, 8KV air; Level 2, 4KV contact	
Radiated		EN61000-4-3	Level 3	
EFT/Burst		EN61000-4-4	Level 3	
Surge		EN61000-4-5	4KV/Line-Line 6KV/Line-Earth(6KV10K option)	
Conducted		EN61000-4-6	Level 3	
Magnetic Field		EN61000-4-8	Level 4	
Voltage Dips and Interruptions		EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
OTHERS	MTBF	1006.16K hrs min. Telcordia SR-332 (Bellcore); 276.37Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	140*63*32mm (L*W*H)		
	PACKING	0.58Kg;24pcs /15Kg /0.85CUFT		



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