

Project :

Date :

Cat. No. :

Type :

Notes :

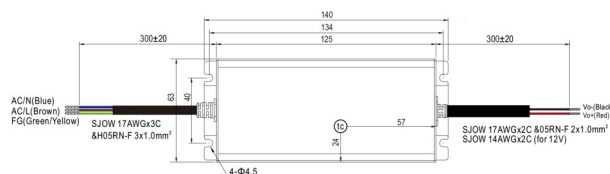
Volts :

■ 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 <small>Note.2</small>	8.4~ 12V	16.8~ 24V	
	RATED CURRENT	8A	4A	
	RATED POWER	96W	96W	
	RIPPLE & NOISE (max.) <small>Note.3</small>	150mVp-p	240mVp-p	
	CURRENT ADJ RANGE	Adjustable for A/AB-Type only (via the built-in potentiometer)		
		4 ~ 8A	2~4A	
	VOLTAGE TOLERANCE <small>Note.4</small>	±3.0%	±2.0%	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±2%	±1%	
SETUP, RISE TIME <small>Note.6</small>	500ms, 100ms/230VAC, 1200ms, 100ms/115VAC			
HOLD UP TIME (Typ.)	12ms/ 230VAC 12ms/ 115VAC			
INPUT	VOLTAGE RANGE <small>Note.5</small>	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%		
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed		
	OVER VOLTAGE	13.5 ~ 18V	27 ~ 34V	
	INPUT OVER VOLTAGE <small>Note.7</small>	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 @ tc 75°C max		
	OVER TEMPERATURE	Shut down output voltage, re-power on to recover		
	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)		
ENVIRONMENT	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes		
	SAFETY STANDARDS <small>Note.7</small>	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, JS15885(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%
		Voltage Flicker	EN61000-3-3	-----
	EMC SAFETY &	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(6K/10K 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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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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