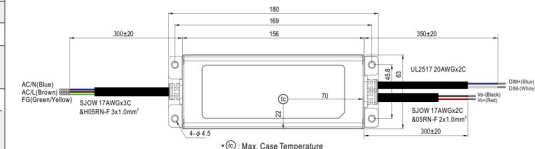
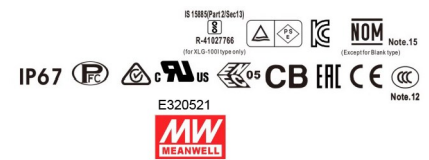


Project :	Date :
Cat. No. :	Type :
Notes :	Volts :

■ Features

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

MODEL		NTPSUXLG-150-12A		NTPSUXLG-150-24A		
OUTPUT	DC VOLTAGE	12V		24V		
	CONSTANT CURRENT REGION <small>Note.2</small>	8.4 ~ 12V		16.8~ 24V		
	RATED CURRENT	12.5A		6.25A		
	RATED POWER	150W		150W		
	RIPPLE & NOISE (max.) <small>Note.3</small>	150mVp-p		240mVp-p		
	CURRENT ADJ. RANGE	Adjustable for A-Type only (via the built-in potentiometer) 6.5~ 12.5A		3.2~ 6.25A		
	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.)	10ms/ 230VAC 10ms/ 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.)	91.5%	93%			
	AC CURRENT	1.8A / 115VAC 1.0A / 230VAC 0.8A/277VAC				
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=500μs measured at 50% Ipeak) at 230VAC; Per NEMA 410				
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC				
	LEAKAGE CURRENT	<0.75mA / 277VAC				
	NO LOAD POWER CONSUMPTION	No load power consumption <0.5W for A-Type				
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	27 ~ 34V			
	INPUT OVER VOLTAGE <small>Note.7</small>	Shut down output voltage, re-power on to recover 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 @ t to 75℃ max				
	OVER TEMPERATURE	Shut down output voltage, re-power on to recover				
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +90℃ (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)				
	MAX. CASE TEMP.	Tcase=+90℃				
	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +90℃, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.06%/℃ (0 ~ 60℃)				
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes				
SAFETY & EMC	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, IS15885 (Part2/Sec13) (for XLG-150I 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℃ / 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 IMMUNITY	EN61547				
		Parameter	Standard		Test Level/Note	
		ESD	EN61000-4-2		Level 3, 8KV air ; Level 2, 4KV contact	
		Radiated	EN61000-4-3		Level 2	
		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 2	
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	712.17K hrs min. Telcordia SR-332 (Bellcore) ;		213.3Khrs min. MIL-HDBK-217F (25℃)		
DIMENSION	180*63*35.5mm (L*W*H)					
PACKING	0.8Kg;16pcs / 13.4Kg /0.67CUFT					



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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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