

Наличие и актуальные цены на

XLG-320-L-A

https://www.mean-well.ru/store/XLG-320-L-A/



- Protection Functions: OLP/SCP/OVP/OTP
- · Compliance to EN60335-1 household application
- · Lifetime>50,000 hours and 5 years warranty

- LED strip lighting (ABV type)
- Agricultural lighting (ABV type)
- · DMX power supply
- Type "HL" for use in class I, Division 2
- · Household devices
- Retail and refrigerated display

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

XLG-320 series is a 315W LED AC/DC driver featuring with constant power mode. XLG-320 operates from 120~305VAC and offers models with different rated current ranging between 1050mA and 7420mA. Thanks to the high efficiency up to 94.5% with the fanless design, the entire series is able to operate for $40^{\circ}C \sim +85^{\circ}C$ case temperature under free air convection. The design of metal housing and IP67 ingress protection level allows this series to fit both indoor and outdoor applications. Moreover the innovative environment-adaptive capability allows this series to reliably light on the LEDs for all kinds of application environments in almost any spots that may install LED luminaires in the world. XLG-320 series comply with the latest version of IEC61347/GB19510.1 and UL8750 international safety regulations. The output and dimming circuit are also completely in accordance with the new regulations and isolation to ensure the safety of both user and luminaire system during installation.

■ Model Encoding ______ - <u>320</u> - <u>L</u> - <u>A</u>

Function options Rated output current(L/M/H/V/48V types) Rated wattage Series name

Туре	IP Level	Function	Note
Blank	IP67	lo and Vo fixed.(For harsh environment)	By request
A	IP67	Output constant power adjustable via built-in lo potentiometer	In Stock
AB	IP67	Output constant power adjustable via built-in lo potentiometer + 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
ABV (48V only)	IP67	Vo adjustable via built-in potentiometer + 3 in 1 dimming function (Flicker free C.V. Dimming)	In Stock

Note: 1.V model is constant voltage operation without the AB type

2.48-V/48-BV types are available by modification version, please consult MEANWELL for detail.



SPECIFICATION

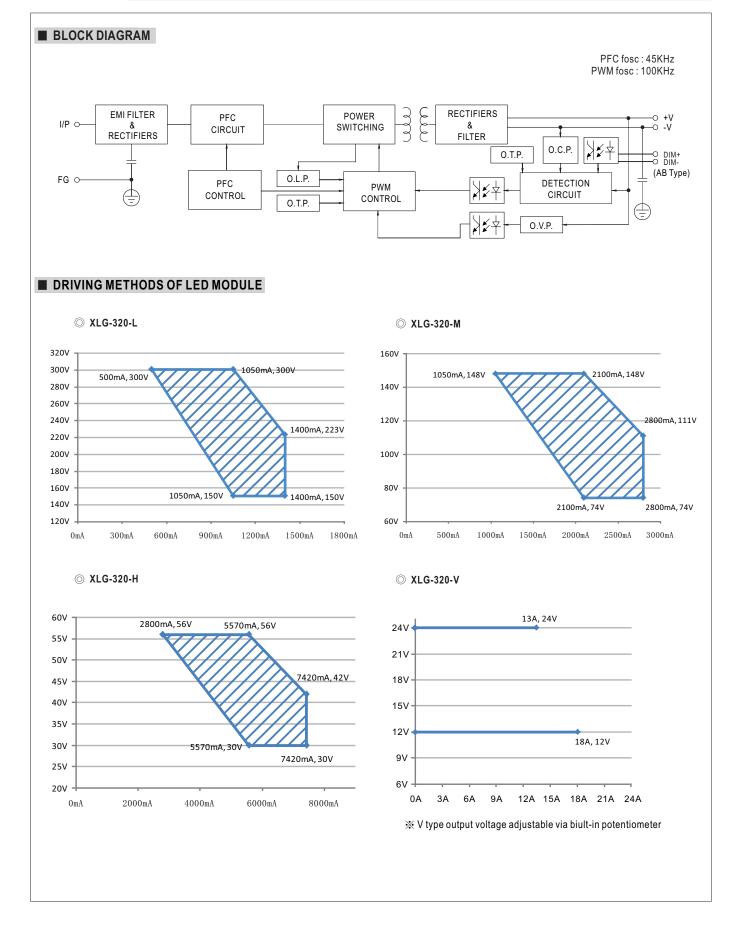
		XLG-320-L-	XLG-320-M-	XLG-320-H-	XLG-320-V-			
	RATED CURRENT (Default)	1400mA	2800mA	5600mA	13A/24V			
	RATED POWER Note.11	315W	310.8W	312W	24V/312W, 12V/216W			
	CONSTANT CURRENT REGION	150~300V	74 ~ 148V	30 ~ 56V	NC			
	OUTPUT VOLTAGE ADJ. RANGE FULL POWER CURRENT RANGE	NC 1050~1400mA	NC 2100~2800mA	NC 5570~7420mA	24V or 12V 13~18A(24V/13A,12V/18			
	OPEN CIRCUIT VOLTAGE (max.)	340V	180V	60V	NC			
	CURRENT ADJ. RANGE	500~1400mA	1050~2800mA	2800~7420mA	NC			
OUTPUT	CURRENT RIPPLE	5.0% max. @rated current	5.0 max. @rated current	5.0% max. @rated c				
	CURRENT TOLERANCE	±5%	±5%	±5%	NC			
	RIPPLE & NOISE(max.)	NC	NC	NC	240mV p-p			
	VOLTAGE TOLERANCE	NC	NC	NC	±3%			
	LINE REGULATION	NC	NC	NC	±0.5%			
	LOAD REGULATION	NC	NC	NC	±2%			
	SET UP TIME Note.9	500ms/230VAC, 1200ms/115VAC						
	RISE TIME,HOLD UP TIME (Typ.)	160ms,10ms/230VAC/115VAC(only for V-type)						
	VOLTAGE RANGE Note.2	100 ~ 305VAC 142VDC ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)						
			ERISTIC and DRIVING METHOD	S OF LED MODULE section))			
	FREQUENCY RANGE							
	POWER FACTOR (Typ.)	PF≧0.98 / 115VAC, PF≧0.95 / 230VAC, PF≧0.92 / 277VAC at full load (Please refer to "Power Factor Characteristic" section)						
		THD< 10% @ load ≥ 50% at 115VA	,	6 at 277VAC:				
	TOTAL HARMONIC DISTORTION	Please refer to "TOTAL HARMONIC		0 at 277 VAO,				
INPUT	EFFICIENCY (Typ.)	94.5%	93.5%	92.5%	93%			
	AC CURRENT (Typ.)	3A / 120VAC 1.6A / 230VAC	1.3A/277VAC	02.0,0	5570			
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=1200µs me		r NEMA 410				
	MAX. NO. of PSUs on 16A							
	CIRCUIT BREAKER	2 unit(circuit breaker of type B) / 4 un	hits(circuit breaker of type C) at 230	/AC				
	LEAKAGE CURRENT	<0.75mA / 277VAC						
	STANDBY POWER	Standby power consumption <0.5W						
	CONSUMPTION Note.5	Standby power consumption <0.5W						
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed						
	OVER VOLTAGE	350 ~ 380V	190 ~ 220V	63 ~ 78V	27 ~ 34V			
		Shut down output voltage, re-power						
ROTECTION	OVER TEMPERATURE Note.12	L/M/H-Type: Tcase>85 $^\circ$ C \pm 5 $^\circ$ C ,dera						
		V-1ype: Shut down output voltage, re-power on to recover						
	OVER LOAD Note.11	108~135%(only for V-type)						
		Hiccup mode or Constant current lim						
	WORKING TEMP.	Tcase=-40 ~ +85℃ (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)						
	MAX. CASE TEMP.	Tcase=+85°C						
	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
VIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80 $^\circ\mathrm{C}$, 10 ~ 95% RH non-condensing						
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)						
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes						
		UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384, EN/EN60335-1						
	SAFETY STANDARDS	STANDARDS compliant to EN 60335-2-89 Annex BB, EN 60335-2-24 Annex CC;GB19510.1, GB19510.14;EAC TP TC 004; IP67;						
		IS15885(Part2/Sec13)(except for blank type), KC61347-1,KC61347-2-13 approved						
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVA						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohn						
		Parameter	Standard		Test Level / Note			
		Conducted		SPR15),GB/T 17743				
	EMC EMISSION	Radiated		SPR15),GB/T 17743				
		Harmonic Current	BS EN/EN61000-3-2		Class C @load≥50%			
		Voltage Flicker	BS EN/EN61000-3-3	3				
AFETY &		BS EN/EN61547	1					
MC		Parameter	Standard		Test Level / Note			
		ESD	BS EN/EN61000-4-2		Level 3, 8KV air ; Level 2, 4KV contact			
		Radiated	BS EN/EN61000-4-3		Level 2			
		EFT / Burst	BS EN/EN61000-4-4		Level 3			
	EMC IMMUNITY	Surge	BS EN/EN61000-4-5		4KV/Line-Line 6KV/Line-Earth			
		Conducted	BS EN/EN61000-4-6		Level 2			
		Magnetic Field	BS EN/EN61000-4-8		Level 4			
			BS EN/EN61000-4-1	1	>95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods			
		Voltage Dips and Interruptions	1476.4K hrs min. Telcordia SR-332(Bellcore); 168.1 K hrs min. MIL-HDBK-217F (25°C)					
	MTRF		Rellcore) : 168 1 K bre min Mil	HDBK-217F (25°C)				
TUEDO	MTBF	1476.4K hrs min. Telcordia SR-332(Bellcore); 168.1 K hrs min. MIL-	HDBK-217F (25°C)				
THERS	DIMENSION	1476.4K hrs min. Telcordia SR-332(1 246*77*39.5mm (L*W*H)	Bellcore); 168.1 K hrs min. MIL-	HDBK-217F (25°C)				
THERS	DIMENSION PACKING	1476.4K hrs min. Telcordia SR-332(246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT		х <i>У</i>				
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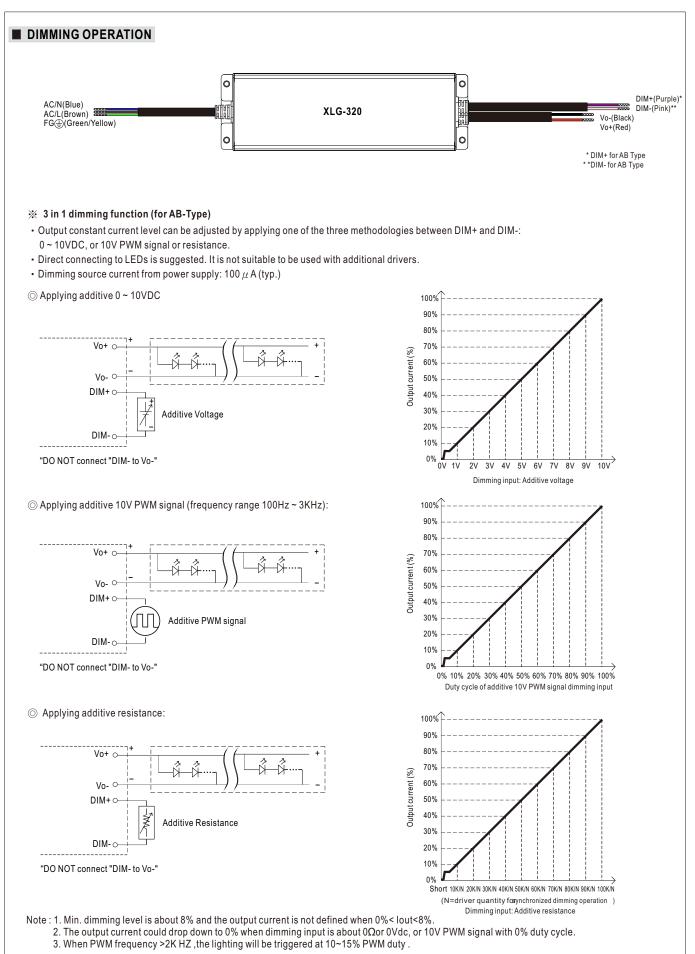
SPECIFICATION

MODEL		XLG-320-48-ABV					
	RATED CURRENT	6.5A					
	RATED POWER (Max.)	312W					
	DC VOLTAGE	48V(Adjustable 43.2~52.8V)					
	RIPPLE & NOISE(max.)	250mVp-p					
OUTPUT	VOLTAGE TOLERANCE	±2.0%					
	LINE REGULATION	±0.5%					
	LOAD REGULATION	±0.5%					
INPUT	DIMMING TOLERANCE	$\pm 4\%$					
	SET UP TIME Note.9	500ms/230VAC, 1200ms/115VAC					
	RISE TIME,HOLD UP TIME (Typ.)	160ms,10ms/230VAC/115VAC					
	VOLTAGE RANGE Note.2	100 ~ 305VAC 142VDC ~ 431VDC (Please refer to "STATIC CHARACTERISTIC")					
	FREQUENCY RANGE	47~63Hz					
	POWER FACTOR (Typ.)	PF≥0.98 / 115VAC, PF≥0.95 / 230VAC, PF≥0.92 / 277VAC at full load					
	TOTAL HARMONIC DISTORTION	THD<10% @ load ≥50% at 115VAC/230VAC, THD<15%@Load>75% at 277VAC;					
	EFFICIENCY (Typ.)	93.5%					
	AC CURRENT (Typ.)						
	INRUSH CURRENT(Typ.)	3A / 120VAC 1.6A / 230VAC 1.3A / 277VAC COLD START 45A(twidth=1200µs measured at 50% Ipeak) at 230VAC; Per NEMA 410 1000000000000000000000000000000000000					
	MAX. NO. of PSUs on 16A						
	CIRCUIT BREAKER	2 unit(circuit breaker of type B) / 4 units(circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
		Standby power consumption <0.5W for ABV/BV-					
	SHORT CIRCUIT						
		Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed					
	OVER VOLTAGE	54 ~ 60V Shut down output voltage, re-power on to recovery					
ROTECTION	OVER TEMPERATURE Note.10						
	OVER TEMPERATORE Note. 10	Shut down output voltage, re-power on to recovery 105~135%					
	OVER LOAD	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed					
	WORKING TEMP.	Tcase=-20 ~ +85°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)					
	MAX. CASE TEMP.	Tcase=+85°C					
NVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-20 ~ +80°C, 10 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes					
	SAFETY STANDARDS	UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384; IS15885(Part2 / Sec13)(Note 14), GB19510.1, GB19510.14; EAC TP TC 004; 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				
		Parameter	Standard	Test Level / Note			
		Conducted	BS EN/EN55015(CISPR15),GB/T 17743				
	EMC EMISSION	Radiated	BS EN/EN55015(CISPR15),GB/T 17743				
SAFETY &		Harmonic Current	BS EN/EN61000-3-2, GB17625.1	Class C @load≥50%			
EMC		Voltage Flicker	BS EN/EN61000-3-3				
		BS EN/EN61547					
		Parameter	Standard	Test Level / Note			
		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact			
		Radiated	BS EN/EN61000-4-3	Level 2			
1		EFT / Burst	BS EN/EN61000-4-4	Level 3			
		EF17 Buist		Level J			
	EMC IMMUNITY	Surge	BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth			
	EMC IMMUNITY						
	EMC IMMUNITY	Surge	BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth			
	EMC IMMUNITY	Surge Conducted Magnetic Field	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
		Surge Conducted Magnetic Field Voltage Dips and Interruptions	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4			
	EMC IMMUNITY MTBF	Surge Conducted Magnetic Field	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
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	MTBF DIMENSION PACKING 1. All parameters NOT specially mer 2. De-rating may be needed under le	Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332(Bellcore) ; 10 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT tioned are measured at 230VAC input, rated curre w input voltages. Please refer to "STATIC CHARA	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 58.1 K hrs min. MIL-HDBK-217F (25°C)	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
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File Name:XLG-320-SPEC 2024-10-11



