

Наличие и актуальные цены на

# HLG-120H-36B

https://www.meanwell.ru/store/HLG-120H-36B/



## HLG-120H series









#### Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Built-in active PFC function
- · IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer;
   3 in 1 dimming; Timer dimming
- Typical lifetime > 62000 hours
- 7 years warranty

#### Description

# HLG-120H series is a 120W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-120H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 93.5%, with the fanless design, the entire series is able to operate for $-40^{\circ}C$ ~ $+80^{\circ}C$ case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-120H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

# Model Encoding HLG - 120H - 48 A Function options Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V) Rated wattage Series name

Туре	IP Level	Function	Note
Blank	IP67	lo and Vo fixed	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

### Applications

- LED street lighting
- · LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- · LED greenhouse lighting
- Type "HL" for use in Class I , Division 2 hazardous (Classified) location.

#### GTIN CODE

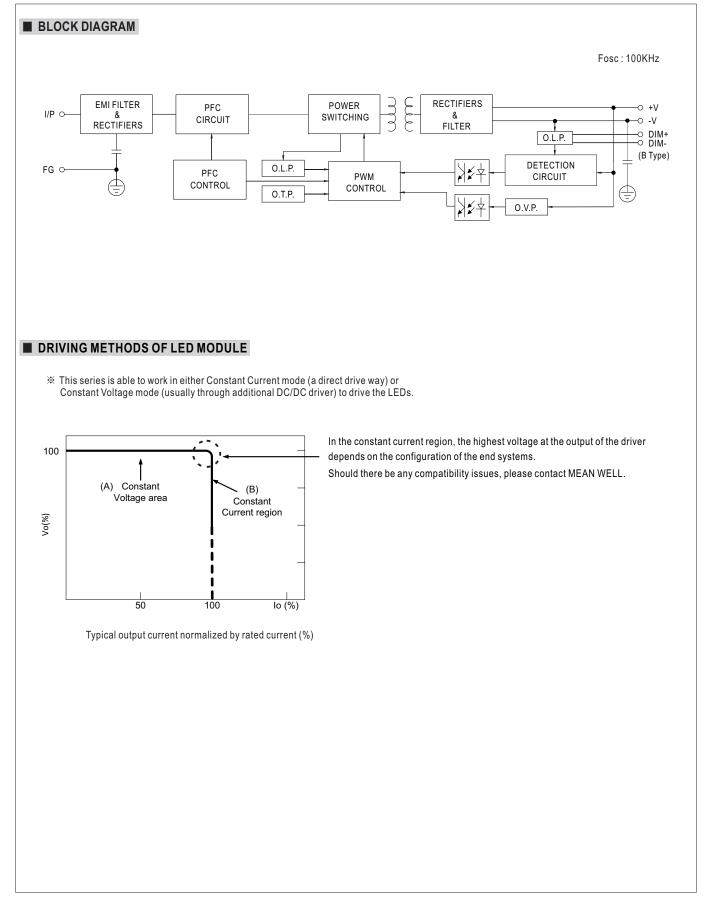
MW Search: <a href="https://www.meanwell.com/serviceGTIN.aspx">https://www.meanwell.com/serviceGTIN.aspx</a>



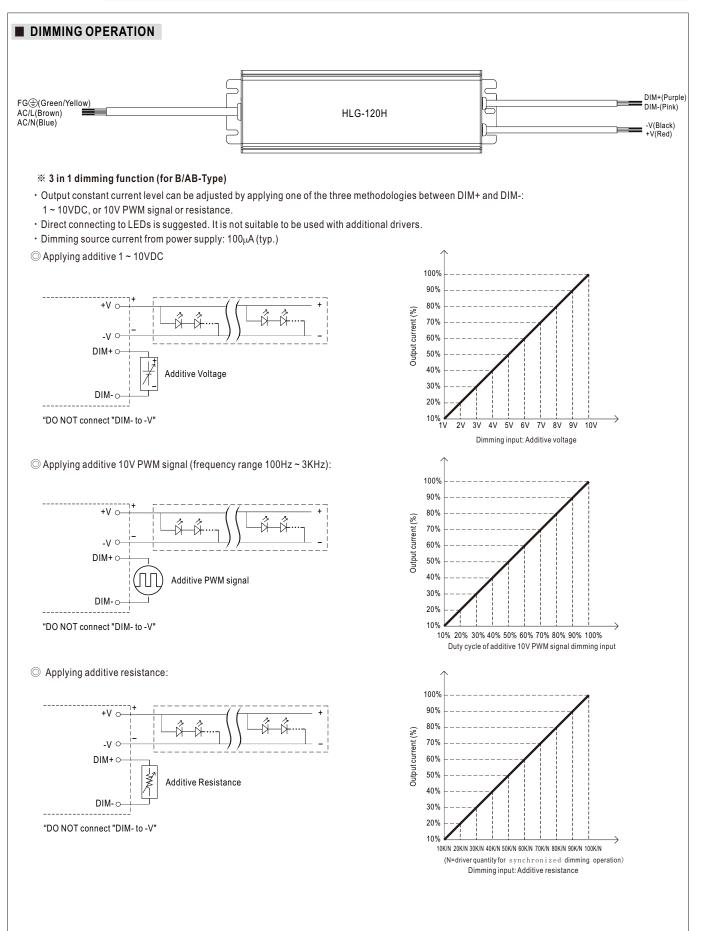
#### SPECIFICATION

MODEL		HLG-120H-12	HLG-120H-15	HLG-120H-20	HLG-120H-24	HLG-120H-30	HLG-120H-36	HLG-120H-42	HLG-120H-48	HLG-120H-54	
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V	
OUTPUT	CONSTANT CURRENT REGION Note.4	6~12V	7.5 ~ 15V	10~20V	12~24V	15~30V	18~36V	21 ~ 42V	24~48V	27~54V	
	RATED CURRENT	10A	8A	6A	5A	4A	3.4A	2.9A	2.5A	2.3A	
	RATED POWER	120W	120W	120W	120W	120W	122.4W	121.8W	120W	124.2W	
	RIPPLE & NOISE (max.) Note.2		150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	
							200111000	2001110 p	200111000	20011100	
	VOLTAGE ADJ. RANGE	Adjustable for A/AB-Type only (via built-in potentiometer)           10.8 ~ 13.5V         13.5 ~ 17V         17 ~ 22V         22 ~ 27V         27 ~ 33V         33 ~ 40V         38 ~ 46V         43 ~ 53V         49 ~ 58V									
	CURRENT ADJ. RANGE	Adjustable fo	r A/AB-Type c	only (via built-i	n potentiomet			1	-		
		5~10A	4 ~ 8A	3~6A	2.5 ~ 5A	2~4A	1.7 ~ 3.4A	1.4 ~ 2.9A	1.2~2.5A	1.1~2.3A	
	VOLTAGE TOLERANCE Note.3	±2.5%	±2.0%	±1.0%	±1.0%	±1.0%	$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$	
	LINE REGULATION	±0.5%	$\pm 0.5\%$	±0.5%	$\pm 0.5\%$	±0.5%	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	
	LOAD REGULATION	±2.0%	±1.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME Note.6	1200ms,50m	s/115VAC 5	500ms,50ms/2	30VAC						
	HOLD UP TIME (Typ.)	12ms / 115VAC, 230VAC									
	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)									
	FREQUENCY RANGE	47~63Hz									
	POWER FACTOR (Typ.)	PF≧0.98/115VAC, PF≧0.95/230VAC, PF≧0.93/277VAC @ full load									
				. ,	HARACTERIST	,					
	TOTAL HARMONIC DISTORTION	THD<20% (@ load≧50% / 115VAC,230VAC; @ load≧75% / 277VAC)									
		(Please refe	r to "TOTAL H	ARMONIC DIS	STORTION (TI	HD)" section)					
INPUT	EFFICIENCY (Typ.)	92%	92%	93%	93%	93%	93%	93%	93.5%	93.5%	
	AC CURRENT (Typ.)	1.4A / 115VA	C 0.6A/2	230VAC 0	).55A/277VAC						
	INRUSH CURRENT (Typ.)	COLD START	60A(twidth=37	5µs measured a	at 50% Ipeak) at	230VAC; Per N	EMA 410				
	MAX. No. of PSUs on 16A			B) ( 0		() () ()					
	CIRCUIT BREAKER	5 units (circu	t breaker of ty	pe B) / 9 units	(circuit breake	r of type C) at 2	30VAC				
	LEAKAGE CURRENT	<0.75mA/277VAC									
		95 ~ 108%									
	OVER CURRENT		ont limiting re	covers autom	atically after fai	ult condition is	removed				
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed									
PROTECTION		Constant current limiting, recovers automatically after fault condition is removed								59~65V	
PROTECTION	OVER VOLTAGE	AGE 14 ~ 17V 18 ~ 21V 23 ~ 27V 28 ~ 34V 34 ~ 38V 41 ~ 46V 47 ~ 53V 54 ~ 63V							59~050		
ENVIRONMENT		Shut down o/p voltage with auto-recovery or re-power on to recovery           /ER TEMPERATURE         Shut down o/p voltage, recovers automatically after temperature goes down									
	OVER TEMPERATURE										
	WORKING TEMP.	Tcase= -40 ~ +80°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)									
	MAX. CASE TEMP.	Tcase= +80°C									
	WORKING HUMIDITY	G HUMIDITY 20 ~ 95% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C,	-40 ~ +80°C, 10 ~ 95% RH								
	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 Note.8	UL8750(type"HL"), CSA C22.2 No. 250.0-08, BS EN/EN 61347-1, BS EN/EN 61347-2-13, AS/NZS 61347-1(except for AB-type),									
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC									
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG: O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH									
	EMC EMISSION Note.8	Compliance t	o BS EN/EN55	5015, BS EN/E	-	B, BS EN/EN6		s C (@ load≧	50%) ; BS EN/	EN61000-3-	
	EMC IMMUNITY	Compliance t	o BS EN/EN61	1000-4-2,3,4,5,	,6,8,11, BS EN	EN61547, BS	, EN/EN55024, I	ight industry le	vel (surge imm	unity	
	MTBF	Line-Earth 4KV, Line-Line 2KV),EAC TP TC 020, KSC 9547(except for D-type) 2185.8K hrs min. Telcordia SR-332 (Bellcore); 167.1Khrs min. MIL-HDBK-217F (25°C)									
OTHERS	DIMENSION	2105.0K IIIST 220*68*38.8r			$no_{j}$ , $107.1$ Mills	,					
			. ,	IIFT							
	PACKING	<b>•</b> •	s/14.4Kg/0.8C		and and d	-t 1 05°C	familie tit	4			
NOTE	<ol> <li>All parameters NOT speciall</li> <li>Ripple &amp; noise are measured</li> <li>Tolerance : includes set up to</li> <li>Please refer to "DRIVING M</li> <li>De-rating may be needed und</li> <li>Length of set up time is measured</li> <li>The driver is considered as complete installation, the finitian (as available on https://www.</li> <li>To fulfill requirements of the connected to the mains.</li> <li>This series meets the typication. Please refer to the warrant</li> <li>The ambient temperature of the connected to the mains.</li> <li>This series meets the typication note are https://www.meanwell.com</li> </ol>	d at 20MHz of tolerance, line IETHODS OF nder low input asured at first t a component f al equipment r meanwell.com latest ErP regi I life expectant y statement or lerating of 3.5 <sup>°</sup> ad IP water pro	E bandwidth by regulation and LED MODULI voltages. Plea cold start. Turr hat will be op nanufacturers //Upload/PDF, ulation for light cy of >62,000 n MEAN WELI C/1000m with pof function ins	y using a 12" t I load regulatic E". ase refer to "S" ning ON/OFF t erated in comt must re-qualif /EMI_statement ting fixtures, th hours of opera L's website at nanless mode	wisted pair-wir on. TATIC CHARA the driver may pination with fir y EMC Directin y EMC Directin y EMC Directin th_en.pdf) isis LED driver isis LED driver thitp://www.me els and of 5 °C/	e terminated w CTERISTIC" s lead to increa: nal equipment. ve on the comp can only be us use, particularly anwell.com 1000m with fai	ith a 0.1uf & 4 sections for del se of the set u Since EMC pro- polete installatio ed behind a so ( ( point (or <sup>-</sup> n models for op	7uf parallel ca tails. p time. erformance will n again. witch without p FMP, per DLC) perating altitud	be affected b ermanently , is about 75 ໃ	C or less.	





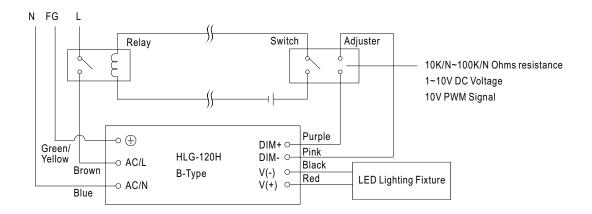






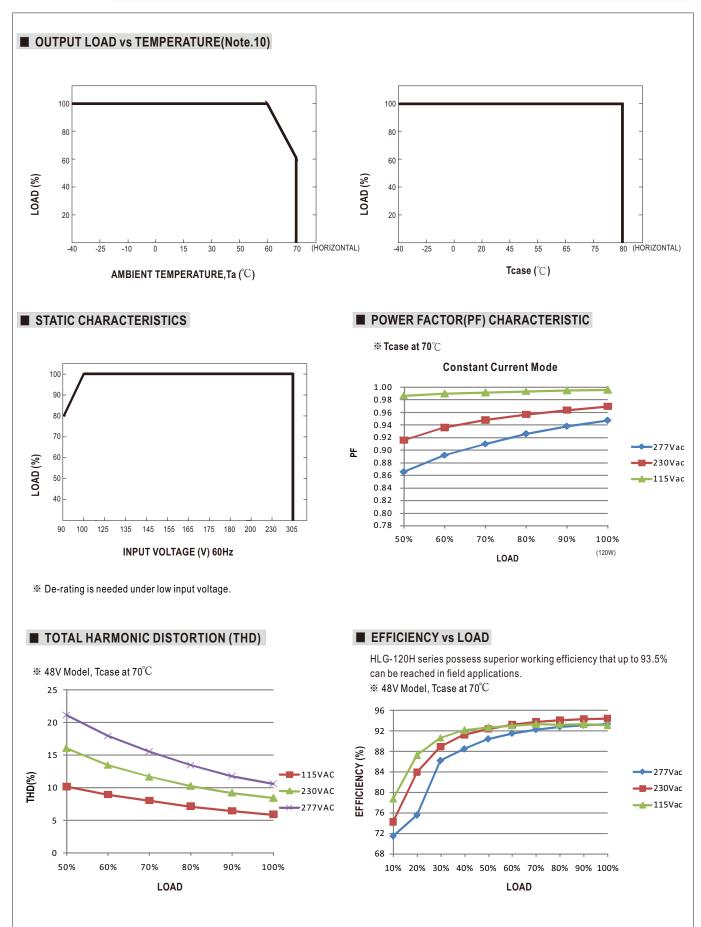
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Note: In the case of turning the lighting fixture down to 0% brightness, please refer to the configuration as follow, or please contact MEAN WELL for other options.



Using a switch and relay can turn ON/OFF the lighting fixture.

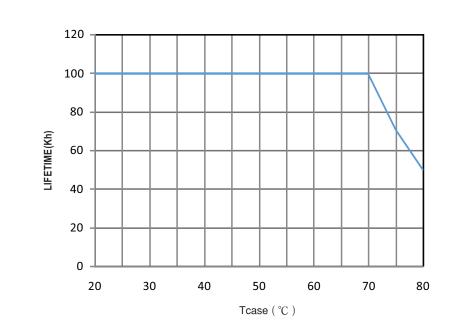




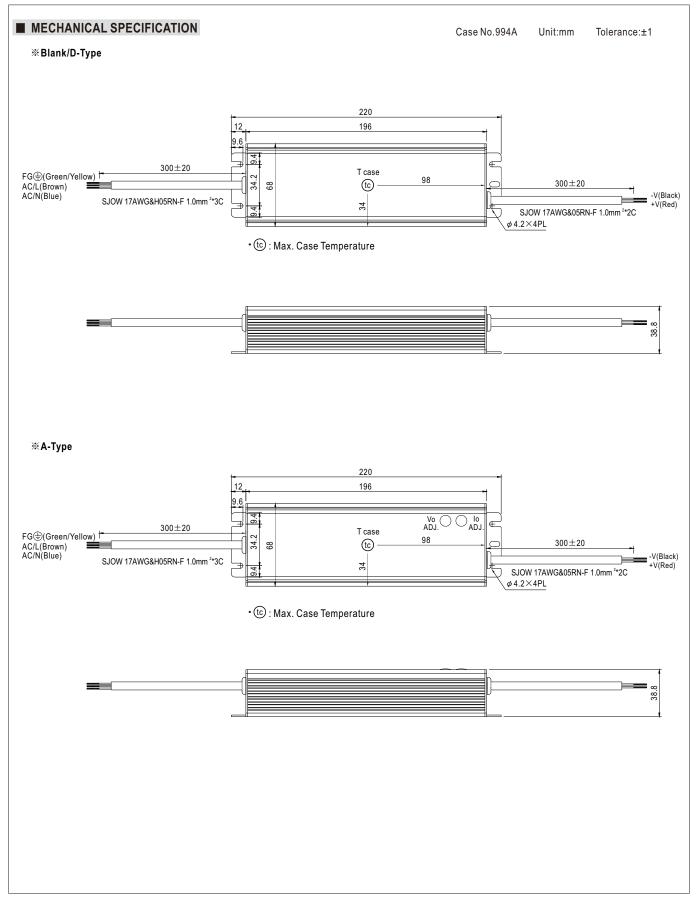


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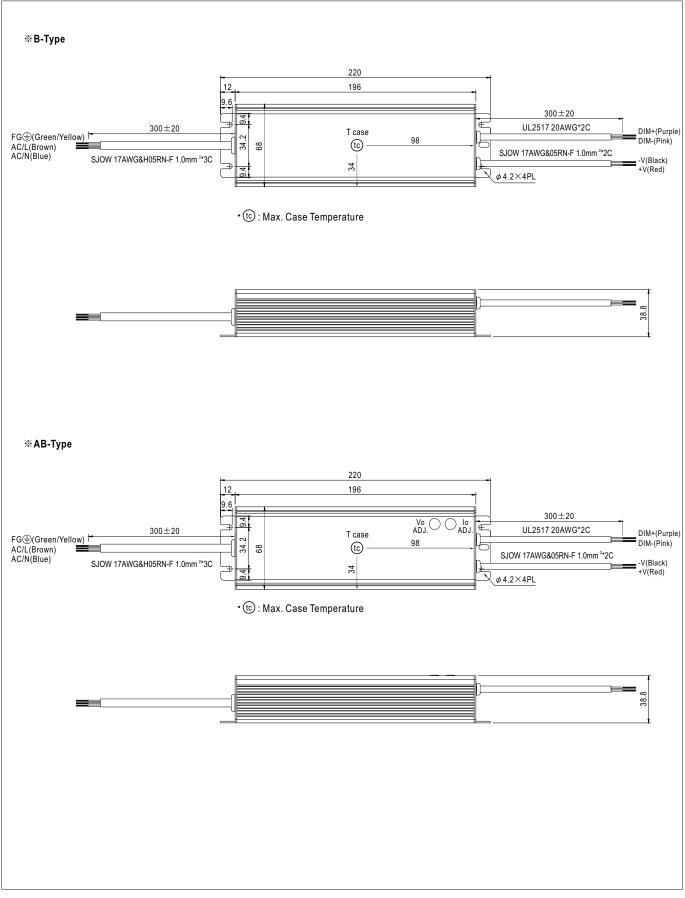
#### LIFE TIME













## HLG-120H series

#### WATERPROOF CONNECTION

#### **% Waterproof connector**

Waterproof connector can be assembled on the output cable of HLG-120H to operate in dry/wet/damp or outdoor environment.

