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Features

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

Description

Applications

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- · 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.

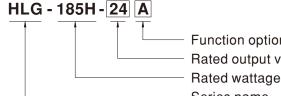
M SELV IP65 IP67 P

GTIN CODE

MW Search: <u>https://www.meanwell.com/serviceGTIN.aspx</u>

HLG-185H series is a 185W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-185H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 94%, with the fanless design, the entire series is able to operate for -40 $^{\circ}$ C ~ +90 $^{\circ}$ 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-185H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding



Function options Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V)

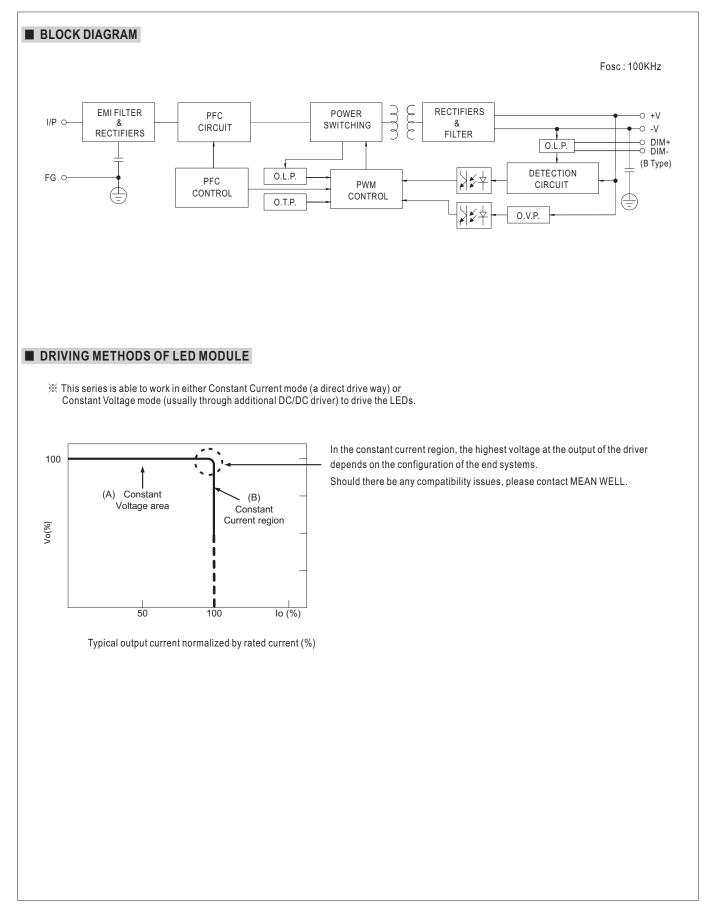
- Series name
- **IP** Level Туре Function Note Blank IP67 Io and Vo fixed In Stock Io and Vo adjustable through built-in potentiometer **IP65** In Stock А 3 in 1 dimming function (1~10VDC, 10V PWM signal and resistance) В **IP67** In Stock Io and Vo adjustable through built-in potentiometer & AB IP65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



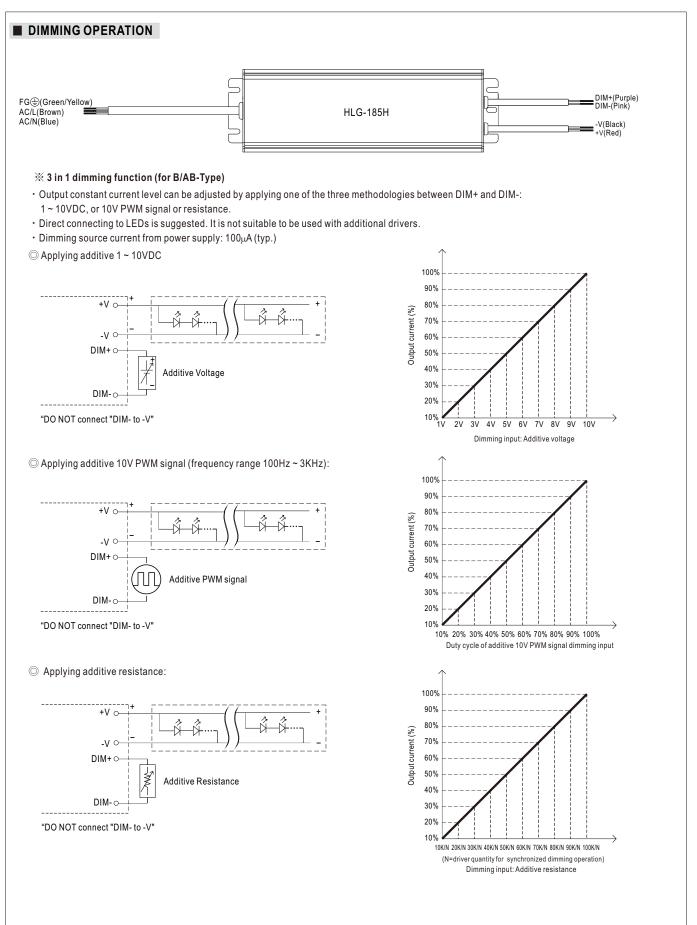
SPECIFICATION

MODEL			HLG-185H-12	HLG-185H-15	HLG-185H-20	HLG-185H-24	HLG-185H-30	HLG-185H-36	HLG-185H-42	HLG-185H-48	HLG-185H-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		13A	11.5A	9.3A	7.8A	6.2A	5.2A	4.4A	3.9A	3.45A
	RATED POWER		156W	172.5W	186W	187.2W	186W	187.2W	184.8W	187.2W	186.3W
	RIPPLE & NOISE (max.) Note.2		150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE		Adjustable fo	r A/AB-Type o	nly (via built-i	n potentiomet	er)				
			10.8 ~ 13.5 V 13.5 ~ 17 V 17 ~ 22 V 22 ~ 27 V 27 ~ 33 V 33 ~ 40 V 38 ~ 46 V 43 ~ 53 V 49 ~ 58 V								
OUTFUT	CURRENT ADJ. R	ANGE	Adjustable fo	r A/AB-Type o		n potentiomet	er)				1
			6.5 ~ 13A	5.75 ~ 11.5A	4.65~9.3A	3.9~7.8A	3.1 ~ 6.2A	2.6 ~ 5.2A	2.2 ~ 4.4A	1.95 ~ 3.9A	1.72 ~ 3.45A
	VOLTAGE TOLERANCE Note.3			±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION		±0.5%	$\pm 0.5\%$	±0.5%	±0.5%	±0.5%	±0.5%	$\pm 0.5\%$	±0.5%	±0.5%
	LOAD REGULATION		±2.0%	±1.5%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
			1000ms,200ms/115VAC 500ms,200ms/230VAC								
	HOLD UP TIME (Typ.)		16ms / 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≧0.92/277VAC @ full load								
			(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)								
	TOTAL HARMONIC	DISTORTION	THD< 20% (@ load≧50% / 115VAC,230VAC; @ load≧75% / 277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)								
INPUT			`			``````````````````````````````````````	· · · · ·	00 -01	0.454	0.464	0.454
	EFFICIENCY (Typ	-	91.5%	92%	93%	93.5%	93.5%	93.5%	94%	94%	94%
		12V	1.8A / 115VA			.7A/277VAC					
	(Typ.) 15V ~ 54V		2.1A/115VAC 0.9A/230VAC 0.8A/277VAC								
	INRUSH CURRENT (Typ.)		COLD START 65A(twidth=445µs measured at 50% Ipeak) at 230VAC; Per NEMA 410								
	MAX. No. of PSUs on 16A CIRCUIT BREAKER		4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT										
			<0.75mA/277VAC								
	OVER CURRENT		95~108%								
PROTECTION			Constant current limiting, recovers automatically after fault condition is removed Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT		14 ~ 17V	18 ~ 21V	23 ~ 27V	28 ~ 34V	34 ~ 38V	41 ~ 46V	47 ~ 53V	54 ~ 63V	59 ~ 65V
	OVER VOLTAGE							41~400	47~550	54~051	J9~0JV
			Shut down o/p voltage with auto-recovery or re-power on to recovery Shut down o/p voltage, recovers automatically after temperature goes down								
			Shut down o/p voltage, recovers automatically after temperature goes down Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)								
ENVIRONMENT	WORKING TEMP. MAX. CASE TEMP.		Tcase= +90°C								
	WORKING HUMIDITY		20 ~ 95% RH non-condensing								
	STORAGE TEMP.,		-40 ~ +80°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT		40~+60 C, 10~95% KH ±0.03%/°C (0~60°C)								
	VIBRATION		±0.03%/ C (0 ~ 60 C) 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes								
	SAFETY STANDARDS		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), AS/NZS 61347-2-13(except for AB-type) independent;GB19510.1,GB19510.14 ; IP65 or IP67; J61347-1, J61347-2-13(except for B AB and D-type), EAC TP TC 004, KC61347-1,KC61347-2-13(except for D-type) approved								
SAFETV 9											
	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 Compliance to BS EN/EN55015_BS EN/EN55032 (CISPB32) Class B_BS EN/EN61000_3-2_Class C (@ load ≥ 50%) :								
	EMC EMISSION		Compliance to BS EN/EN55015, BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class C (@ load≧50%) ; BS EN/EN61000-3-3,GB17743 and GB17625.1,EAC TP TC 020								
	EMC IMMUNITY		Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, BS EN/EN55024, light industry level (surge immunity Line-Earth 4KV, Line-Line 2KV),EAC TP TC 020								
	MTBF		2184.8K hrs min. Telcordia SR-332 (Bellcore) ; 197.3K hrs min. MIL-HDBK-217F (25°C)								
OTHERS	DIMENSION		228*68*38.8mm (L*W*H)								
	PACKING			s/14.8Kg/0.8C	UFT						
NOTE	 All parameters I Ripple & noise Tolerance : incl Please refer to De-rating may b Length of set up The driver is co complete install To fulfill require connected to th This series meet 	are measure udes set up t "DRIVING M be needed ur p time is mea insidered as ation, the fina ments of the ise mains. ets the typical	d at 20MHz of tolerance, line ETHODS OF nder low input asured at first of a component f al equipment r latest ErP reg	i bandwidth by regulation and LED MODULE voltages. Plea cold start. Turr hat will be ope nanufacturers ulation for light cy of >62,000 l	using a 12" to load regulatio =". se refer to "ST ining ON/OFF to erated in comb must re-qualify ting fixtures, th hours of opera	visted pair-wire n. FATIC CHARA he driver may ination with fir r EMC Directiv is LED driver tion when Tca	e terminated w CTERISTIC" s lead to increas al equipment. e on the comp can only be us use, particularly	ith a 0.1uf & 4 sections for de se of the set u Since EMC pe olete installation ed behind a s	7uf parallel cap tails. p time. erformance will n again. witch without p	be affected by ermanently	
	11. The ambient to 12. For any applic https://www.m	emperature c ation note an eanwell.com/	 v statement on MEAN WELL's website at http://www.meanwell.com. erating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft d IP water proof function installation caution, please refer our user manual before using. Upload/PDF/LED_E** For detailed inform 								





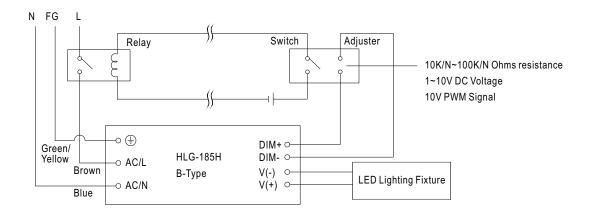






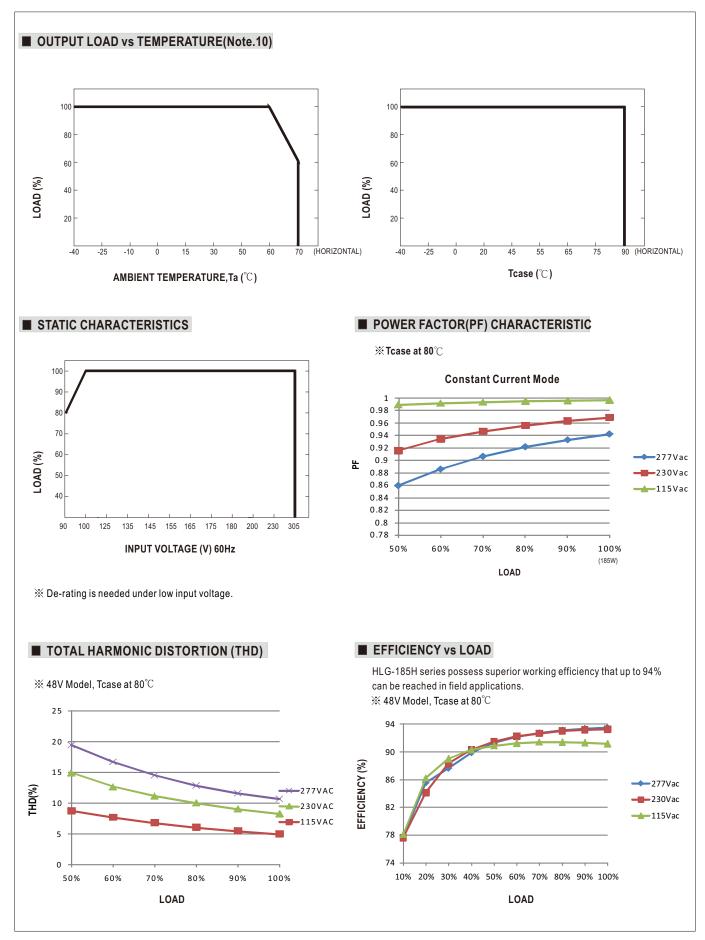
HLG-185H series

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.

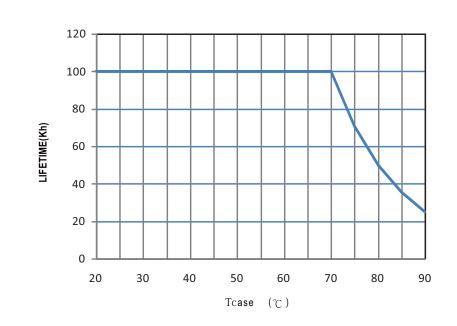




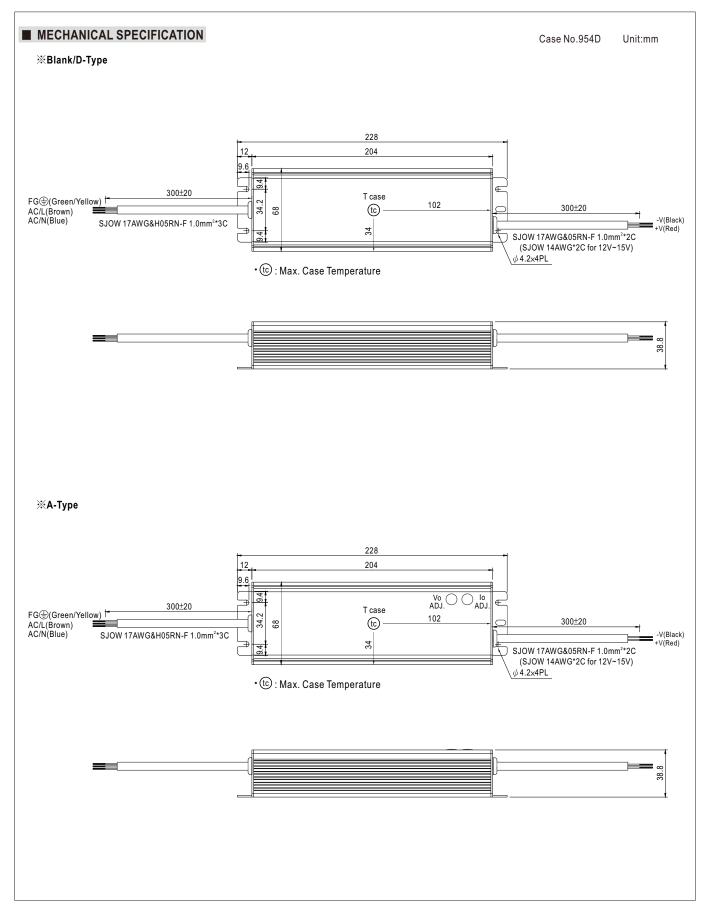


HLG-185H series

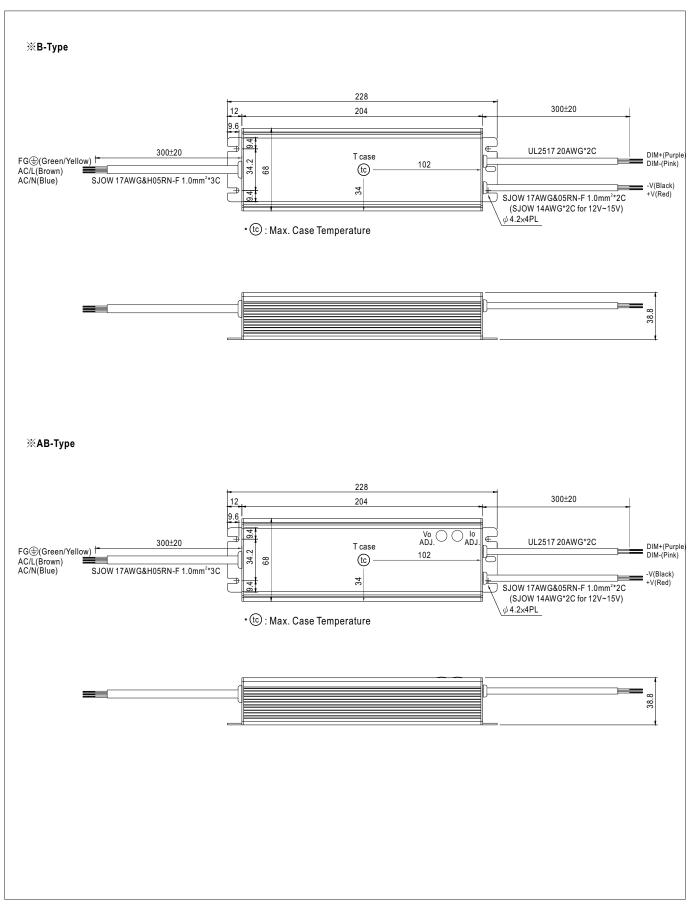
LIFE TIME









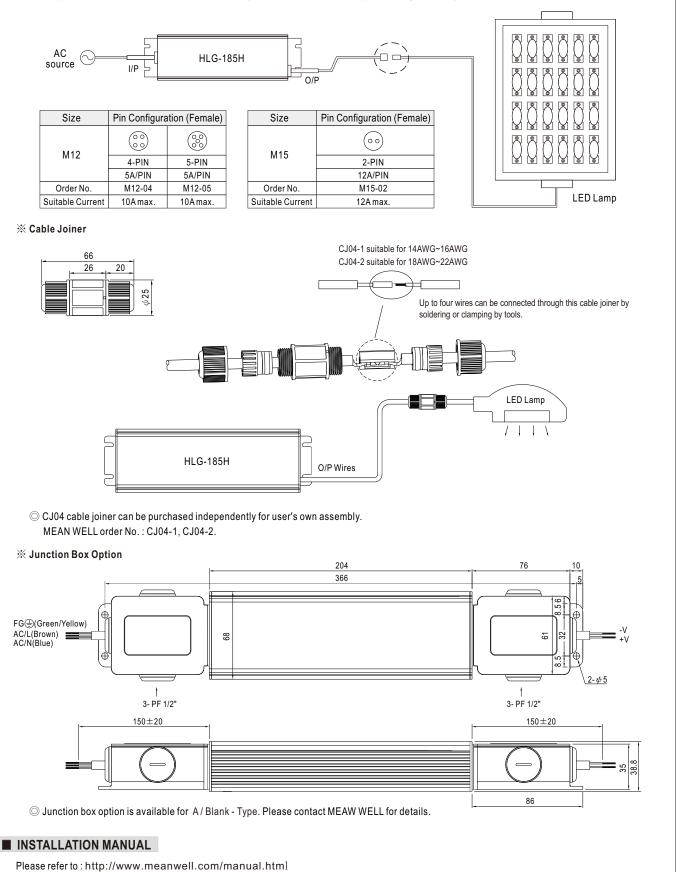




WATERPROOF CONNECTION

$\% \ {\rm Waterproof} \ {\rm connector}$

Waterproof connector can be assembled on the output cable of HLG-185H to operate in dry/wet/damp or outdoor environment.



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单击下面可查看定价,库存,交付和生命周期等信息

>>MEAN WELL(台湾明纬)