





Features

- Constant Current mode output
- · Metal housing with Class I design
- Built-in active PFC function
- · IP67 / IP65 design 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

Applications

- · LED street lighting
- LED fishing lamp
- LED harbor lighting
- · LED building architectural lighting
- LED bay lighting

HLG-185H-C series is a 200W AC/DC LED power supply featuring the constant current mode and high voltage output. HLG-185H-C operates from 90~305VAC and offers models with different rated current ranging between 500mA and 1400mA. Thanks to the high efficiency up to 94%, with the fanless design, the entire series is able to operate for -40° 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-C 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 - 185H - C700 A Function options Rated output current(500/700/1050/1400mA) High input voltage up to 305VAC Rated wattage Series name

Туре	IP Level	Function	Note
A	IP65	lo adjustable through built-in potentiometer.	In Stock
В	IP67	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



SPECIFICATION

MODEL		HLG-185H-C500	HLG-185H-C700	HLG-185H-C1050	HLG-185H-C1400		
	RATED CURRENT	500mA	700mA	1050mA	1400mA		
ουτρυτ	RATED POWER	200W	200.2W	199.5W	200.2W		
	CONSTANT CURRENT REGION Note.2	200V ~ 400V	143V ~ 286V	95V ~ 190V	71V ~ 143V		
		Can be adjusted by internal potentiometer (A type only)					
	CURRENT ADJ. RANGE	250 ~ 500mA	350 ~ 700mA	525 ~ 1050mA	700 ~ 1400mA		
	CURRENT RIPPLE	5.0% max. @rated current					
	CURRENT TOLERANCE	±5%					
	SET UP TIME Note.4	1000ms/115VAC 500ms/230VAC					
INPUT	VOLTAGE RANGE Note.3	90 ~ 305VAC 127 ~ 431VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF≧0.98/115VAC or PF≧0.96/230VAC or PF≧0.94/2777VAC @full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)					
	TOTAL HARMONIC DISTORTION	THD<20%@≧50% load/115VAC, or 230VAC, or @≧75% load/277VAC (Please refer to "TOTAL HARMONIC DISTORTION" section)					
	EFFICIENCY (Typ.)	94%	94%	94%	94%		
	AC CURRENT (Typ.)	2A / 115VAC 1A / 230VA	C 0.85A / 277VAC				
	INRUSH CURRENT(Typ.)	COLD START 55A(twidth=900 ^µ /s measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA/277VAC					
PROTECTION	SHORT CIRCUIT	Constant current limiting, recov	ers automatically after fault condi	tion is removed			
		450~470V	320~340V	210~225V	160~170V		
	OVER VOLIAGE	Shut down o/p voltage with auto-recovery or re-power on to recovery					
	OVER TEMPERATURE	Shut down o/p voltage, recove	rs automatically after temperatu	ire goes down			
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +90°C (Refer to "D	erating Curve")				
	MAX. CASE TEMP.	Tcase=+90°C					
	WORKING HUMIDITY	10 ~ 95% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes;					
	SAFETY STANDARDS	UL8750, CSA C22.2 No. 250.13-12, EN/AS/NZS 61347-1, EN/AS/NZS 61347-2-13, EN62384 independent,GB19510.1,GB19510.14; IP65 or IP67, J61347-1, J61347-2-13, EAC TP TC 004 approved					
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					
LINO	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (≧50% load) ; EN61000-3-3,GB17743 and GB17625.1,EAC TP TC 020					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, heavy industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020					
OTHERS	MTBF	651.1K hrs min. Telcordia SF	R-332 (Bellcore); 191.9K hrs min	n. MIL-HDBK-217F (25℃)			
	DIMENSION	228*68*38.8mm (L*W*H)					
	PACKING	1.15Kg; 12pcs/14.8Kg/0.8CUF	Г				
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. Please refer to "DRIVING METHODS OF LED MODULE". De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 						
	 Defailing may be needed under low input voltages. Please refer to STATIC of AFACC Length of sections for declars. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to the mains. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 75°C or less. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com 						











200W Constant Current Mode LED Driver

HLG-185H-C 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.







200W Constant Current Mode LED Driver







File Name:HLG-185H-C-SPEC 2018-01-17



■ WATERPROOF CONNECTION

\bigcirc Waterproof connector

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



■ INSTALLATION MANUAL

Please refer to : http://www.meanwell.com/manual.html