

Наличие и актуальные цены на

# **HLG-600H-20A**

https://www.mean-

well.ru/store/HLG-600H-20A/









#### Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Standby power consumption <0.5W at remote off</li>
- · IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer;
   3 in 1 dimming (dim-to-off)
- Typical lifetime > 62000 hours
- 7 years warranty

### Applications

- · 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.

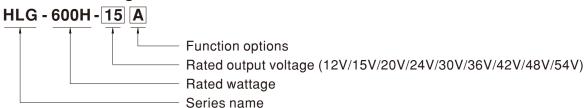
#### **■** GTIN CODE

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

### Description

HLG-600H series is a 600W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-600H operates from  $90 \sim 305 \text{VAC}$  and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 96%, with the fanless design, the entire series is able to operate for  $-40\,^{\circ}\text{C} \sim +90\,^{\circ}\text{C}$  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-600H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

### ■ Model Encoding



Туре	IP Level	Function	Note
Α	IP65	Io and Vo adjustable through built-in potentiometer	In Stock
В	IP67	3 in 1 dimming function (0~10VDC, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10VDC,10V PWM signal and resistance)	In Stock
Blank	IP67	Io and Vo fixed	In Stock



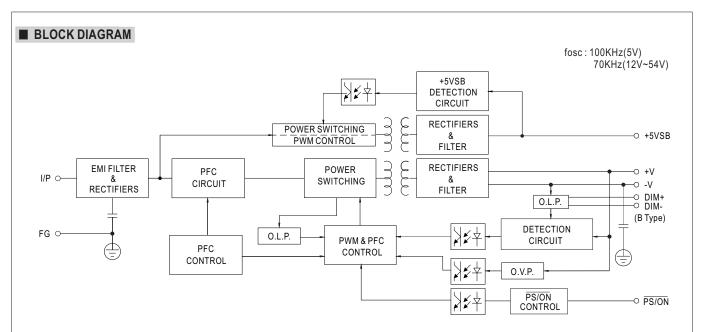
#### **SPECIFICATION**

			HLG-600H-12	HLG-600H-15	HLG-600H-20	HLG-600H-24	HLG-600H-30	HLG-600H-36	HLG-600H-42	HLG-600H-48	HLG-600H-54						
	DC VOLTAGE		12V	15V	20V	24V	30V	36V	42V	48V	54V						
OUTPUT	CONSTANT CURREN	T REGION Note.4	6 ~12V	7.5 ~ 15V	10 ~ 20V	12 ~ 24V	15 ~ 30V	18 ~ 36V	21 ~ 42V	24 ~ 48V	27 ~ 54V						
	RATED CURREN	Т	40A	36A	28A	25A	20A	16.7A	14.3A	12.5A	11.2A						
	RATED POWER		480W	540W	560W	600W	600W	601.2W	600.6W	600W	604.8W						
	RIPPLE & NOISE	(max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	250mVp-p	250mVp-p	250mVp-p	350mVp-p						
	VOLTAGE ADJ. RANGE  CURRENT ADJ. RANGE  VOLTAGE TOLERANCE Note.3		Adjustable fo	r A/AB-Type o	nly (via built-ii	n potentiomete	er)										
			10.2 ~ 12.6V   12.7 ~ 15.8V   17 ~ 21V   20.4 ~ 25.2V   25.5 ~ 31.5V   30.6 ~ 37.8V   35.7 ~ 44.1V   40.8 ~ 50.4V   45.9 ~ 56.7														
			Adjustable for A/AB-Type only (via built-in potentiometer)														
			20 ~ 40A	18 ~ 36A	14 ~ 28A	12.5 ~ 25A	10 ~ 20A	8.3 ~ 16.7A	7.1 ~ 14.3A	6.2 ~ 12.5A	5.6 ~ 11.2						
				±2.0%	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%						
	LINE REGULATION		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±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%						
								-0.070	± 0.0 /0								
	,		500ms, 80ms/ 115VAC, 230VAC 15ms / 115VAC, 230VAC														
	VOLTAGE RANGE Note.5			<u> </u>	4)/D0												
			90 ~ 305VAC 127 ~ 431VDC														
			(Please refer to "STATIC CHARACTERISTIC" section)														
	FREQUENCY RANGE		47 ~ 63Hz														
	POWER FACTOR (Typ.)  TOTAL HARMONIC DISTORTION		PF≧0.98/115VAC, PF≧0.95/230VAC, PF≥0.93/277VAC @ full load  (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)														
			<b>'</b>		. ,		, ,										
			1 '-	-	/115VAC, 230\		,	)									
		230VAC	<u> </u>	1	ARMONIC DIS	· · ·	· · · ·										
INPUT	EFFICIENCY		92%	93.5%	94.5%	95%	95%	95.5%	96%	96%	96%						
• .	(Typ.)	277VAC	92.5%	93.5%	94.5%	95%	95%	95.5%	96%	96%	96%						
	AC CURRENT (Typ.)		7A / 115VAC	3.3A / 23		A / 277VAC											
	INRUSH CURRENT(Typ.)		COLD START 70A(twidth=1000µs measured at 50% Ipeak) at 230VAC; Per NEMA 410														
	MAX. No. of PSUs on 16A CIRCUIT BREAKER		1 unit (circuit breaker of type B) / 2 units (circuit breaker of type C) at 230VAC														
	LEAKAGE CURRENT		<0.75mA / 277VAC														
	STANDBY POWER CONSUMPTION		<0.5W at remote off														
	OVED CURRENT No.		95 ~ 108%														
	OVER CURRENT	Note.4		ent limiting, re	covers automa	itically after fau	It condition is r	emoved									
	SHORT CIRCUIT		Constant current limiting, recovers automatically after fault condition is removed  Constant current limiting, recovers automatically after fault condition is removed														
PROTECTION			13 ~ 16V	16.5 ~ 20.5V		26 ~ 30V		39.5 ~ 43.5V	46 ~ 50V	52.5 ~ 56.5V	59 ~ 63V						
	OVER TEMPERATURE		Shut down o/		1	over											
			Shut down o/p voltage, re-power on to recover  Shut down o/p voltage, re-power on to recover														
	⊥OVER TEMPERA	TURE	Shut down o/s	o voltage, re-p	ower on to reco	over			Power on : "High" > 2 ~ 5V or Open circuit Power off : "Low" < 0 ~ 0.5V or Short circuit								
	OVER TEMPERAT						ow" <0 ~ 0.5V or	Short circuit									
UNCTION	REMOTE ON/OF		Power on : "Hi	gh" >2 ~ 5V or	Open circuit	Power off: "Lo	ow" <0 ~ 0.5V or	Short circuit									
FUNCTION	REMOTE ON/OF	F CONTROL	Power on : "Hi 5Vsb : 5V@0.5	gh" >2 ~ 5V or iA; tolerance =	Open circuit ±5%, ripple : 10	Power off: "Lo 0mVp-p(max.)											
FUNCTION	REMOTE ON/OF 5V STANDBY WORKING TEMP.	F CONTROL	Power on : "Hi 5VsB: 5V@0.5 Tcase= -40 ~	gh" >2 ~ 5V or iA; tolerance = +90°C (Pleas	Open circuit	Power off: "Lo 0mVp-p(max.)											
FUNCTION	REMOTE ON/OFI 5V STANDBY WORKING TEMP. MAX. CASE TEM	F CONTROL IP.	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C	gh" >2 ~ 5V or iA; tolerance = +90°C (Pleas	Open circuit ±5%, ripple : 10 se refer to "OU"	Power off: "Lo 0mVp-p(max.)											
	REMOTE ON/OFI 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE	F CONTROL  . IP. DITY	Power on: "Hi 5Vsb: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH	gh" >2 ~ 5V or A; tolerance = +90°C (Pleas non-condensi	Open circuit ±5%, ripple : 10 se refer to "OU"	Power off: "Lo 10mVp-p(max.) TPUT LOAD v											
	REMOTE ON/OFI 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP.	F CONTROL  IP. DITY ., HUMIDITY	Power on: "Hi 5V <sub>SB</sub> : 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C,	gh" >2 ~ 5V or A; tolerance = +90°C (Pleas C non-condensi 10 ~ 95% RH	Open circuit ±5%, ripple : 10 se refer to "OU"	Power off: "Lo 10mVp-p(max.) TPUT LOAD v											
	REMOTE ON/OFF 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIT STORAGE TEMP. TEMP. COEFFICII	F CONTROL  IP. DITY ., HUMIDITY	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%°C (	gh">2 ~ 5V or 6A; tolerance = $+90^{\circ}$ C (Please non-condensing = 10 ~ 95% RH in the condensing = 25°C)	Open circuit ±5%, ripple : 10 se refer to "OU" ng non-condensing	Power off: "Lo 10mVp-p(max.) TPUT LOAD vo	s TEMPERATU	JRE" section)									
	REMOTE ON/OFI 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP.	F CONTROL  IP. DITY ., HUMIDITY	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5	gh" >2 ~ 5V or A; tolerance = $+90^{\circ}$ C (Please) non-condensi $10 \sim 95\%$ RH i $0 \sim 55^{\circ}$ C) GG 12min./1cy	Open circuit  5%, ripple: 10 se refer to "OU"  ng non-condensing  cle, period for	Power off: "Lo 10mVp-p(max.) TPUT LOAD v	s TEMPERATU	JRE" section)									
	REMOTE ON/OFF 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII VIBRATION	F CONTROL  IP. DITY INC., HUMIDITY ENT	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L	gh" >2 ~ 5V or A; tolerance = $+90^{\circ}$ C (Please non-condensi $10 \sim 95\%$ RH i $0 \sim 55^{\circ}$ C) GG 12min./1cy JL8750(type"H	Open circuit  5%, ripple: 10 se refer to "OU"  ng non-condensing  cle, period for "IL"), CSA C22.2	Power off: "Lo 10mVp-p(max.) TPUT LOAD v. g 72min. each al 2 No. 250.13-1:	ong X, Y, Z axe 2, ENEC BS EN	JRE" section) s		7-2-13 indeper	ndent,						
	REMOTE ON/OFF 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIT STORAGE TEMP. TEMP. COEFFICII	F CONTROL  IP. DITY INC., HUMIDITY ENT	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L BS EN/EN623	gh" >2 ~ 5V or A; tolerance = +90°C (Please connon-condensi 10 ~ 95% RH i 0 ~ 55°C) GG 12min./1cy JL8750(type"H 384, IP65 or IP	Open circuit  E5%, ripple: 10 se refer to "OU"  ng non-condensing cle, period for IL"), CSA C22.2	Power off: "Lo 10mVp-p(max.) TPUT LOAD v 9 72min. each al 2 No. 250.13-1: 161347-2-13, G	ong X, Y, Z axe 2, ENEC BS EN BB19510.1,GB1	JRE" section) s J/EN61347-1, E	TP TC 004,	7-2-13 indeper	ndent,						
NVIRONMENT	REMOTE ON/OFF 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII VIBRATION	F CONTROL  IP. DITY INC., HUMIDITY ENT	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L BS EN/EN623	gh" >2 ~ 5V or A; tolerance = +90°C (Please connon-condensi 10 ~ 95% RH i 0 ~ 55°C) GG 12min./1cy JL8750(type"H 384, IP65 or IP	Open circuit  5%, ripple: 10 se refer to "OU"  ng non-condensing  cle, period for "IL"), CSA C22.2	Power off: "Lo 10mVp-p(max.) TPUT LOAD v 9 72min. each al 2 No. 250.13-1: 161347-2-13, G	ong X, Y, Z axe 2, ENEC BS EN BB19510.1,GB1	JRE" section) s J/EN61347-1, E	TP TC 004,	7-2-13 indeper	ndent,						
ENVIRONMENT	REMOTE ON/OFF 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII VIBRATION	F CONTROL  IP. DITY , HUMIDITY ENT  ARDS Note.7	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L BS EN/EN623 AS/NZS 6095	gh" >2 ~ 5V or iA; tolerance = +90°C (Please connon-condensi 10 ~ 95% RH i 0 ~ 55°C) iG 12min./1cy jL8750(type"H i884, IP65 or IP io.1(by CB)(Al	Open circuit  E5%, ripple: 10 se refer to "OU"  ng non-condensing cle, period for IL"), CSA C22.2	Power off: "Lo 10mVp-p(max.) TPUT LOAD v. 9 72min. each al 2 No. 250.13-1: 161347-2-13, G KC61347-1, K	ong X, Y, Z axe 2, ENEC BS EN 6B19510.1,GB1 C61347-2-13(e	JRE" section) s J/EN61347-1, E	TP TC 004,	7-2-13 indepel	ndent,						
ENVIRONMENT  SAFETY & EMC	REMOTE ON/OFF 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA	F CONTROL  P. DITY HUMIDITY ENT  ARDS Note.7	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L BS EN/EN623 AS/NZS 6095 I/P-O/P:3.75	gh" >2 ~ 5V or iA; tolerance = +90°C (Please conon-condensi 10 ~ 95% RH i 0 ~ 55°C) iG 12min./1cy JL8750(type"H i84, IP65 or IP io.1(by CB)(Al KVAC I/P-F	Open circuit  E5%, ripple: 10  e refer to "OU"  ng  non-condensing  cle, period for  IL"), CSA C22.2  67, J61347-1, 3  3 type except),	Power off: "Lo 10mVp-p(max.) TPUT LOAD v. 9 72min. each al 2 No. 250.13-1: 161347-2-13, G KC61347-1, K: /P-FG:1.5KVA	ong X, Y, Z axe 2, ENEC BS EN 8B19510.1,GB1 C61347-2-13(e	JRE" section) s J/EN61347-1, E	TP TC 004,	7-2-13 indepe	ndent,						
ENVIRONMENT  SAFETY & EMC (Note 10)	REMOTE ON/OFF 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL	F CONTROL  P. DITY HUMIDITY ENT  ARDS Note.7	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L BS EN/EN623 AS/NZS 6095 I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to	gh" > 2 ~ 5V or A; tolerance = +90°C (Please Connon-condensi 10 ~ 95% RH i 0 ~ 55°C) 6G 12min./1cy JL8750(type" H 884, IP65 or IP 60.1(by CB)(Al KVAC I/P-F G, O/P-FG:1 o BS EN/EN58	Open circuit  E5%, ripple: 10  e refer to "OU"  ng  non-condensing  cle, period for  IL"), CSA C22.2  67, J61347-1, 3  3 type except),  G:2KVAC O	Power off: "Lo 10mVp-p(max.) TPUT LOAD v. 9 72min. each al 2 No. 250.13-1: J61347-2-13, G KC61347-1, K: /P-FG:1.5KVA 100VDC / 25°C/ N61000-3-2 Cl	ong X, Y, Z axe 2, ENEC BS EN 3B19510.1,GB1 C61347-2-13(e CC 70% RH	JRE" section) s s J/EN61347-1, E 9510.14, EAC xcept for AB ty	TP TC 004, pe) approved								
ENVIRONMENT  SAFETY & EMC	REMOTE ON/OFI 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI	F CONTROL  IP. DITY IN HUMIDITY ENT  ARDS Note.7  TAGE STANCE	Power on: "Hi 5Vss: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L BS EN/EN623 AS/NZS 6095 I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to GB/T 17743,6	gh" >2 ~ 5V or A; tolerance = +90°C (Please = +90°C (Please = 10 ~ 95% RH or 10 ~ 95% RH or 10 ~ 55°C)  GG 12min./1cy JL8750(type" + 384, IP65 or IP = 10.1(by CB)(Al KVAC I/P-F = 10.0 CB)(Al KVAC I/P-F = 10.0 CB) (Al KVAC I/P-	Open circuit L5%, ripple: 10 re refer to "OU" ring non-condensing cle, period for IL"), CSA C22.2 67, J61347-1, 3 3 type except), G:2KVAC O 00M Ohms / 50 5015, BS EN/E1 S C 9815, KS C	Power off: "Lu 10mVp-p(max.) TPUT LOAD v. 9 72min. each al 2 No. 250.13-1: J61347-2-13, G KC61347-1, K /P-FG:1.5KVA 00VDC / 25°C/ N61000-3-2 Cl	ong X, Y, Z axe 2, ENEC BS EN BB19510.1,GB1 C61347-2-13(e C 70% RH ass C (@ loads	JRE" section)  s J/EN61347-1, E 9510.14, EAC xcept for AB ty	TP TC 004, pe) approved N/EN61000-3-3	B, EAC TP TC C	120;						
ENVIRONMENT  SAFETY &  EMC	REMOTE ON/OFI 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI	F CONTROL  IP. DITY IN HUMIDITY ENT  ARDS Note.7  TAGE STANCE	Power on: "Hi  5Vss: 5V@0.5  Tcase= -40 ~  Tcase= +90°C  20 ~ 95% RH  -40 ~ +85°C,  ±0.03%/°C (  10 ~ 500Hz, 5  UL60950-1, L  BS EN/EN623  AS/NZS 6095  I/P-O/P:3.75  I/P-O/P, I/P-F  Compliance to GB/T 17743, C	gh" >2 ~ 5V or A; tolerance = +90°C (Please = +90°C (Please = 10 ~ 95% RH or Normal = 10 ~ 95% RH or N	Open circuit  5%, ripple: 10  re refer to "OU"  ng  non-condensing  cle, period for  IL"), CSA C22.2  67, J61347-1, ,  3 type except ),  G:2KVAC O  00M Ohms / 50  5015, BS EN/Et  S C 9815, KS C  1000-4-2,3,4,5,	Power off: "Lu 10mVp-p(max.) TPUT LOAD v. 9 72min. each al 2 No. 250.13-1: J61347-2-13, G KC61347-1, K. /P-FG:1.5KVA 00VDC / 25°C/ N61000-3-2 Cl 9547 6,8,11, BS EN/	ong X, Y, Z axe 2, ENEC BS EN 6B19510.1,GB1 C61347-2-13(e .C 70% RH ass C (@ loads	S I/EN61347-1, E 9510.14, EAC xcept for AB ty ≥50%); BS EN	TP TC 004, pe) approved N/EN61000-3-3	B, EAC TP TC C	120;						
NVIRONMENT  SAFETY & EMC	REMOTE ON/OFI 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIE VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI: EMC EMISSION EMC IMMUNITY	F CONTROL  IP. DITY IN HUMIDITY ENT  ARDS Note.7  TAGE STANCE	Power on: "Hi 5Vss: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L BS EN/EN623 AS/NZS 6095 I/P-O/P, I/P-F Compliance to GB/T 17743,C Compliance to Line-Earth 4K	gh" >2 ~ 5V or A; tolerance = +90°C (Please = +90°C (Please = 10 ~ 95% RH or Normal = 10 ~ 95% RH or N	Open circuit L5%, ripple: 10 er refer to "OU"  Ing non-condensing cle, period for IL"), CSA C22.2 67, J61347-1, , 3 type except), G:2KVAC O 000M Ohms / 50 5015, BS EN/ER S C 9815, KS C 1000-4-2,3,4,5, KV), EAC TP T	Power off: "Lu 0mVp-p(max.) TPUT LOAD v. 9 72min. each al 2 No. 250.13-1: J61347-2-13, G KC61347-1, KV /P-FG:1.5KVA 00VDC / 25°C/ N61000-3-2 Cl 9547 6,8,11, BS EN/ C 020; KS C 9	ong X, Y, Z axe 2, ENEC BS EN 6B19510.1,GB1 C61347-2-13(e C 70% RH ass C (@ load	S I/EN61347-1, E 9510.14, EAC xcept for AB ty	TP TC 004, pe) approved  V/EN61000-3-3	B, EAC TP TC C	120;						
SAFETY & EMC Note 10)	REMOTE ON/OFI 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI: EMC EMISSION EMC IMMUNITY MTBF	F CONTROL  IP. DITY IN HUMIDITY ENT  ARDS Note.7  TAGE STANCE	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L BS EN/EN623 AS/NZS 6095 I/P-O/P:3.75 I/P-O/P, I/P-F Compliance to GB/T 17743, C Compliance to Line-Earth 4K 913.4K hrs mi	gh" >2 ~ 5V or is A; tolerance = +90°C (Please of Please	Open circuit  5%, ripple: 10  re refer to "OU"  ng  non-condensing  cle, period for  IL"), CSA C22.2  67, J61347-1, ,  3 type except ),  G:2KVAC O  00M Ohms / 50  5015, BS EN/Et  S C 9815, KS C  1000-4-2,3,4,5,	Power off: "Lu 0mVp-p(max.) TPUT LOAD v. 9 72min. each al 2 No. 250.13-1: J61347-2-13, G KC61347-1, KV /P-FG:1.5KVA 00VDC / 25°C/ N61000-3-2 Cl 9547 6,8,11, BS EN/ C 020; KS C 9	ong X, Y, Z axe 2, ENEC BS EN 6B19510.1,GB1 C61347-2-13(e C 70% RH ass C (@ load	S I/EN61347-1, E 9510.14, EAC xcept for AB ty	TP TC 004, pe) approved  V/EN61000-3-3	B, EAC TP TC C	120;						
ENVIRONMENT  SAFETY &  EMC	REMOTE ON/OFI 5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIE VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI: EMC EMISSION EMC IMMUNITY	F CONTROL  IP. DITY IN HUMIDITY ENT  ARDS Note.7  TAGE STANCE	Power on: "Hi 5Vss: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C, ±0.03%/°C ( 10 ~ 500Hz, 5 UL60950-1, L BS EN/EN623 AS/NZS 6095 I/P-O/P, I/P-F Compliance to GB/T 17743,C Compliance to Line-Earth 4K	gh" > 2 ~ 5V or iA; tolerance = +90°C (Please - 10 ~ 95% RH ib or ~ 100%	Open circuit  E5%, ripple: 10  te refer to "OU"  Ing  non-condensing  cle, period for  IL"), CSA C22.2  67, J61347-1, ,  3 type except),  G:2KVAC O  00M Ohms / 50  5015, BS EN/Et  S C 9815, KS C  1000-4-2,3,4,5,  KV), EAC TP T  a SR-332 (Bello	Power off: "Lu 0mVp-p(max.) TPUT LOAD v. 9 72min. each al 2 No. 250.13-1: J61347-2-13, G KC61347-1, KV /P-FG:1.5KVA 00VDC / 25°C/ N61000-3-2 Cl 9547 6,8,11, BS EN/ C 020; KS C 9	ong X, Y, Z axe 2, ENEC BS EN 6B19510.1,GB1 C61347-2-13(e C 70% RH ass C (@ load	S I/EN61347-1, E 9510.14, EAC xcept for AB ty	TP TC 004, pe) approved  V/EN61000-3-3	B, EAC TP TC C	120;						

#### NOTE

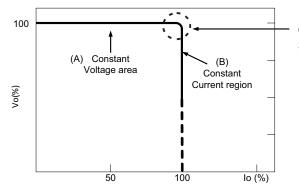
- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and  $25^{\circ}$ C of ambient temperature.
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- 3. Tolerance : includes set up tolerance, line regulation and load regulation.
- 4. Please refer to "DRIVING METHODS OF LED MODULE".
- $5. \ De-rating \ may \ be \ needed \ under \ low \ input \ voltages. \ Please \ refer \ to \ "STATIC \ CHARACTERISTIC" \ sections \ for \ details.$
- 6. 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.
- 7. The model certified for CCC(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details.
- 8. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 75°C or less.
- 9. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com
- 10. The driver is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm\*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."
  (as available on https://www.meanwell.com//Upload/PDF/EMI\_statement\_en.pdf)
- 11. The ambient temperature derating of  $3.5^{\circ}$ C/1000m with fanless models and of  $5^{\circ}$ C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED\_EN.pdf
- 13. For A/AB type need to consider build in using to comply with Type HL application.
- Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx
   File Name: HLG-600H-SPEC 2024-11-29





### **■** DRIVING METHODS OF LED MODULE

X This series is able to work in either Constant Current mode (a direct drive way) or Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs.

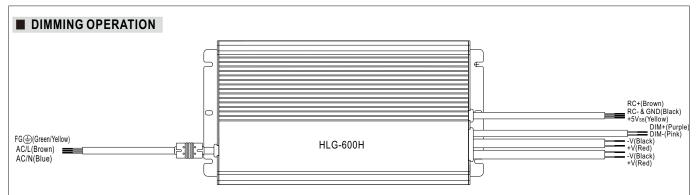


Typical output current normalized by rated current (%)

In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

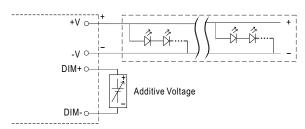
Should there be any compatibility issues, please contact MEAN WELL.





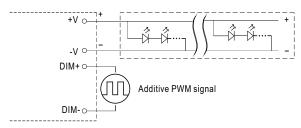
#### ※ 3 in 1 dimming function (for B/AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:
   0 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply:  $100\mu A$  (typ.)
- O Applying additive 0 ~ 10VDC



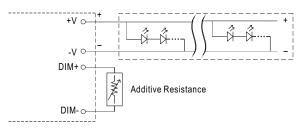
"DO NOT connect "DIM- to -V"

O Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):

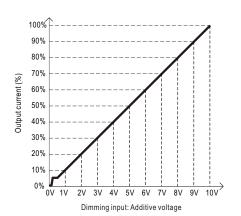


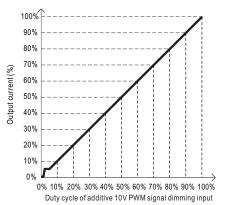
"DO NOT connect "DIM- to -V"

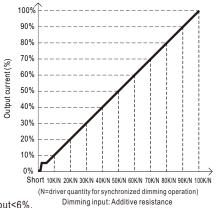
Applying additive resistance:



"DO NOT connect "DIM- to -V"



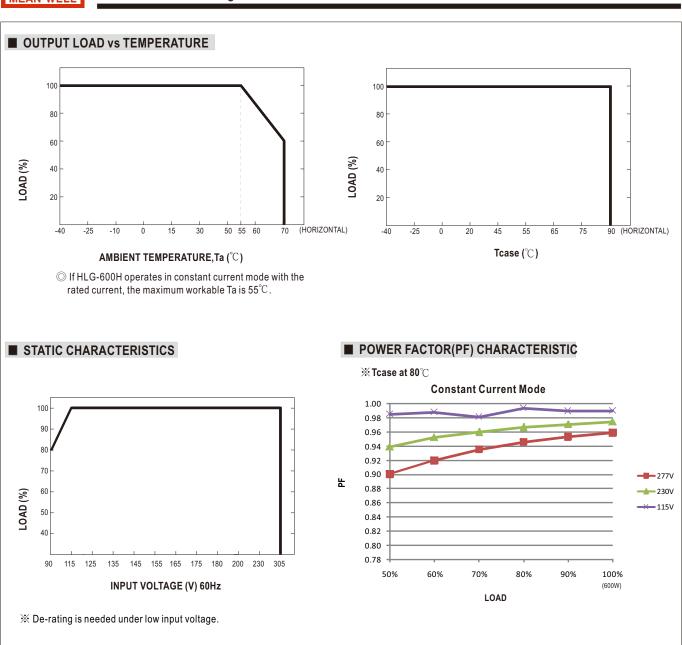




Note: 1. Min. dimming level is about 6% and the output current is not defined when 0% < Iout < 6%.

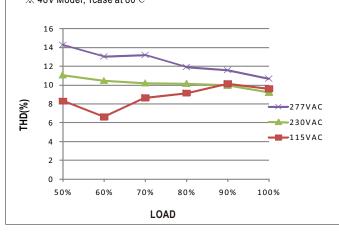
2. The output current could drop down to 0% when dimming input is about 0kΩ or 0Vdc, or 10V PWM signal with 0% duty cycle.





■ TOTAL HARMONIC DISTORTION (THD)

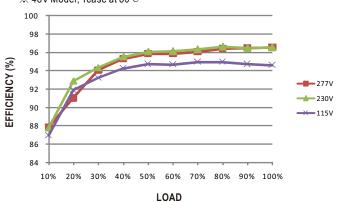
### ¾ 48V Model, Tcase at 80°C



#### **■** EFFICIENCY vs LOAD

HLG-600H series possess superior working efficiency that up to 96% can be reached in field applications.

¾ 48V Model, Tcase at 80°C





## **■** LIFETIME

