







Features

- · Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Standby power consumption <0.5W at remote off
- · 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.

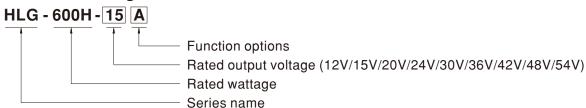
■ GTIN CODE

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



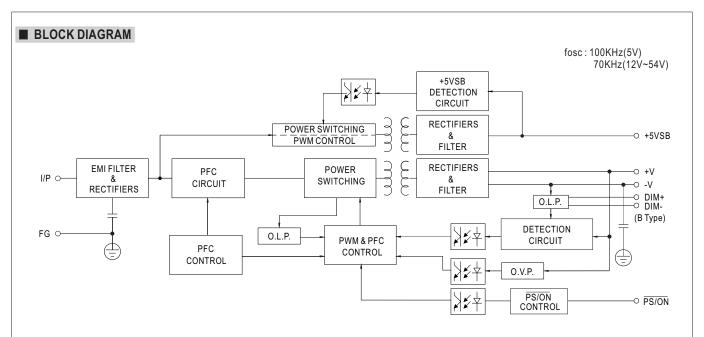
SPECIFICATION

			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	
ļ	DC VOLTAGE		12V	15V	20V	24V	30V	36V	42V	48V	54V	
ОИТРИТ -	CONSTANT CURRENT	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			r A-Type only	via built-in po	tentiometer)						
			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-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 REGULATI		±2.0%	±1.5%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIM							_ 0.070	_ 0.070		= 0.070	
}	,		500ms, 80ms/ 115VAC, 230VAC 15ms / 115VAC, 230VAC									
	VOLTAGE RANGE Note.5			<u> </u>	11/00							
			90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)									
	FREQUENCY RANGE		47 ~ 63Hz PF≥0.98/115VAC, PF≥0.95/230VAC, PF≥0.93/277VAC @ full load									
	POWER FACTOR (Typ.)						•					
	, ,,		,		, ,	IARACTERIST	,					
	TOTAL HARMONIC DISTORTION		1 '-	THD< 20% (@ load ≥ 50% /115VAC, 230VAC; @ load ≥ 75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)								
		230VAC	<u> </u>	1		· ·	, , , , , , , , , , , , , , , , , , , 	I	I	I	I	
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 (Ty	/p.)	7A / 115VAC	3.3A / 230		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									
PROTECTION -	OVED CURRENT	Note 4	95 ~ 108%									
	OVER CURRENT	Note.4	Constant current limiting, recovers automatically after fault condition is removed									
	SHORT CIRCUIT		Constant current limiting, recovers automatically after fault condition is removed									
			13 ~ 16V	16.5 ~ 20.5V	22 ~ 26V	26 ~ 30V	32.5 ~ 36.5V	39.5 ~ 43.5V	46 ~ 50V	52.5 ~ 56.5V	59 ~ 63V	
	OVER VOLTAGE OVER TEMPERATURE		Shut down o/	voltage, re-p	ower on to reco	over						
			Shut down o/p voltage, re-power on to recover Shut down o/p voltage, re-power on to recover									
REMOTE ON/OFF CONTROL		Power on : "High" >2 ~ 5V or Open circuit Power off : "Low" <0 ~ 0.5V or Short circuit										
	KEWO LE ON/OF						ow" <0 ~ 0.5V or	Short circuit				
FUNCTION			Power on : "Hi	gh" >2 ~ 5V or 0	Open circuit	Power off: "Lo	ow" <0 ~ 0.5V or	Short circuit				
FUNCTION	5V STANDBY	FCONTROL	Power on : "Hi 5Vsb: 5V@0.5	gh" >2 ~ 5V or 0	Open circuit =5%, ripple : 10	Power off: "Lo 0mVp-p(max.)						
FUNCTION	5V STANDBY WORKING TEMP.	FCONTROL	Power on : "Hi 5VsB: 5V@0.5 Tcase= -40 ~	gh" >2 ~ 5V or $^{\circ}$ 6A; tolerance \pm +90 $^{\circ}$ C (Pleas	Open circuit =5%, ripple : 10	Power off: "Lo 0mVp-p(max.)	ow" <0 ~ 0.5V or					
FUNCTION	5V STANDBY WORKING TEMP. MAX. CASE TEM	F CONTROL P.	Power on: "Hi 5VsB: 5V@0.5 Tcase= -40 ~ Tcase= +90°C	gh" >2 ~ 5V or € 6A; tolerance ± +90°C (Pleas	Open circuit =5%, ripple : 10 e refer to "OU"	Power off: "Lo 0mVp-p(max.)						
FUNCTION	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIL	P. DITY	Power on: "Hi 5Vsb: 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH	gh" >2 ~ 5V or 0 A; tolerance ± +90°C (Pleas non-condensin	Open circuit =5%, ripple : 10 e refer to "OU"	Power off: "Lo 10mVp-p(max.) TPUT LOAD v						
	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP.	P. DITY , HUMIDITY	Power on: "Hi 5V _{SB} : 5V@0.5 Tcase= -40 ~ Tcase= +90°C 20 ~ 95% RH -40 ~ +85°C,	gh" >2 ~ 5V or (iA; tolerance ± +90°C (Pleas c non-condensin 10 ~ 95% RH r	Open circuit =5%, ripple : 10 e refer to "OU"	Power off: "Lo 10mVp-p(max.) TPUT LOAD v						
	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII	P. 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 ($^{\circ}$ A; tolerance \pm +90°C (Pleas $^{\circ}$ C non-condensing 10 ~ 95% RH r ($^{\circ}$ C ~ 55°C)	Open circuit 5%, ripple: 10 e refer to "OU" ng non-condensing	Power off: "Lo 10mVp-p(max.) TPUT LOAD vs	s TEMPERATU	JRE" section)				
	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP.	P. 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 0 A; tolerance ± +90°C (Pleas Conon-condensing 10 ~ 95% RH r 0 ~ 55°C) GG 12min./1cyc	Open circuit =5%, ripple : 10 e refer to "OU" ng non-condensing	Power off: "Lo 10mVp-p(max.) TPUT LOAD v:	s TEMPERATU	JRE" section)		7040		
	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICII VIBRATION	P. DITY , 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 $($ 3A; tolerance \pm +90°C (Pleas condensing 10 ~ 95% RH r $($ 0 ~ 55°C) $($ 6G 12min./1cyc/LR8750(type"H	Open circuit 5%, ripple: 10 e refer to "OU" ng non-condensing cle, period for " L"), CSA C22.2	Power off: "Lo 10mVp-p(max.) TPUT LOAD v: 9 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,	
	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII	P. DITY , 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 \sim 5V or (A; tolerance \pm \pm 90°C (Pleas Conon-condensing to \sim 95% RH r \pm 0 \sim 55°C) GG 12min./1cycy JL8750(type"H 384, IP65 or IP1	Open circuit 5%, ripple: 10 e refer to "OU" ng non-condensing cle, period for 1 L"), CSA C22.2 67, J61347-1, 3	Power off: "Lo 10mVp-p(max.) TPUT LOAD vi 9 72min. each all 2 No. 250.13-12 161347-2-13, G	ong X, Y, Z axe 2, ENEC BS EN	JRE" section) s J/EN61347-1, E	TP TC 004,	7-2-13 indeper	ndent,	
NVIRONMENT	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA	P. DITY , 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 AS/NZS 6095	gh" >2 \sim 5V or 0 6A; tolerance \pm +90°C (Pleas Connon-condensing 10 \sim 95% RH or 10 \sim 55°C) 6G 12min./1cycg JL8750(type" H 884, IP65 or IP1 60.1(by CB)(AE	Open circuit =5%, ripple: 10 e refer to "OU" ng non-condensing cle, period for L"), CSA C22.2 67, J61347-1, ,	Power off: "Lo 10mVp-p(max.) TPUT LOAD vi 9 72min. each all 2 No. 250.13-12 161347-2-13, G KC61347-1, Kd	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 indeper	ndent,	
NVIRONMENT	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICII VIBRATION	P. DITY , 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 AS/NZS 6095	gh" >2 \sim 5V or 0 6A; tolerance \pm +90°C (Pleas Connon-condensing 10 \sim 95% RH or 10 \sim 55°C) 6G 12min./1cycg JL8750(type" H 884, IP65 or IP1 60.1(by CB)(AE	Open circuit =5%, ripple: 10 e refer to "OU" ng non-condensing cle, period for L"), CSA C22.2 67, J61347-1, ,	Power off: "Lo 10mVp-p(max.) TPUT LOAD vi 9 72min. each all 2 No. 250.13-12 161347-2-13, G	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	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA	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 u iA; tolerance ± +90°C (Pleas Connon-condensin 10 ~ 95% RH r i0 ~ 55°C) iG 12min./1cyc JL8750(type"H i884, IP65 or IP i0.1(by CB)(AE KVAC I/P-F	Open circuit -5%, ripple : 10 e refer to "OU" ng non-condensing cle, period for L"), CSA C22.2 67, J61347-1, 3 8 type except), G:2KVAC O	Power off: "Lo 10mVp-p(max.) TPUT LOAD vi 9 72min. each all 2 No. 250.13-12 161347-2-13, G KC61347-1, Kd	ong X, Y, Z axe 2, ENEC BS EN BB19510.1,GB1 C61347-2-13(e	JRE" section) s J/EN61347-1, E	TP TC 004,	7-2-13 indeper	ndent,	
	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA	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 u' A; tolerance ± +90°C (Pleas C non-condensin 10 ~ 95% RH r 0 ~ 55°C) 6G 12min./1cyc JL8750(type"H 884, IP65 or IP 60.1(by CB)(AE KVAC I/P-F: G, O/P-FG:10 0 BS EN/EN55	Open circuit -5%, ripple : 10 e refer to "OU" ng non-condensing cle, period for L"), CSA C22.2 67, J61347-1, S 8 type except), G:2KVAC O 00M Ohms / 50	Power off: "Lc 0mVp-p(max.) TPUT LOAD vs g 72min. each al 2 No. 250.13-1; J61347-2-13, G KC61347-1, Ki /P-FG:1.5KVA	ong X, Y, Z axe 2, ENEC BS EN BB19510.1,GB1 C61347-2-13(e	JRE" section) s s J/EN61347-1, E 9510.14, EAC xcept for AB ty	TP TC 004, pe) approved			
ENVIRONMENT :	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI	P. DITY , HUMIDITY ENT ARDS Note.7	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 17743,6	gh" >2 ~ 5V or u' sA; tolerance ± +90°C (Pleas connon-condensin 10 ~ 95% RH r 0 ~ 55°C) 6G 12min./1cyc JL8750(type"H 384, IP65 or IP 10.1(by CB)(AB KVAC //P-F G, O/P-FG:1(0 BS EN/EN55 GB17625.1, KS	Open circuit -5%, ripple : 10 e refer to "OU" ng non-condensing cle, period for 1 L"), CSA C22.2 67, J61347-1, x B type except), G:2KVAC O 00M Ohms / 50 015, BS EN/EN 6 C 9815, KS C	Power off: "Lc 10mVp-p(max.) TPUT LOAD visions 9 72min. each all 2 No. 250.13-12 J61347-2-13, G KC61347-1, KV /P-FG:1.5KVA 00VDC / 25°C/ N61000-3-2 Cl	ong X, Y, Z axe 2, ENEC BS EN 6B19510.1,GB1 C61347-2-13(e C70% 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 0	120;	
ENVIRONMENT SAFETY & EMC	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIE STORAGE TEMP. TEMP. COEFFICIT VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI	P. DITY , HUMIDITY ENT ARDS Note.7	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 d iA; tolerance ± +90°C (Pleas Connon-condensin 10 ~ 95% RH r 0 ~ 55°C) iG 12min./1cyc JL8750(type"H i84, IP65 or IP1 i0.1(by CB)(AB KVAC I/P-F iG, O/P-FG:10 o BS EN/EN55 ig B17625.1, KS o BS EN/EN61	Open circuit -5%, ripple : 10 e refer to "OU" ng non-condensing cle, period for 'L"), CSA C22.2 67, J61347-1, ., 3 type except), G:2KVAC O 00M Ohms / 50 015, BS EN/EN 6 C 9815, KS C 000-4-2,3,4,5,	Power off: "Lc 10mVp-p(max.) TPUT LOAD visions 9 72min. each all 2 No. 250.13-1: J61347-2-13, G KC61347-1, Kis /P-FG:1.5KVA 200VDC / 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 C70% 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 0	120;	
NVIRONMENT	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI: EMC EMISSION EMC IMMUNITY	P. DITY , HUMIDITY ENT ARDS Note.7	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 u' A; tolerance ± +90°C (Pleas C non-condensir 10 ~ 95% RH r 0 ~ 55°C) 6G 12min./1cyc JL8750(type"H 884, IP65 or IPr 60.1(by CB)(AB KVAC I/P-F GG, O/P-FG:10 0 BS EN/EN55 3B17625.1, KS 0 BS EN/EN61 CV, Line-Line 2	Open circuit =5%, ripple : 10 e refer to "OU" Ing Ing Ing Ing Ing Ing Ing In	Power off: "Lc 0mVp-p(max.) TPUT LOAD v: 9 72min. each ala 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 98	ong X, Y, Z axe 2, ENEC BS EN 6B19510.1,GB1 C61347-2-13(e C70% RH ass C (@ load in the control of the control o	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 0	120;	
SAFETY & EMC Note 10)	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	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 GB/T 17743, C Compliance to Line-Earth 4K 913.4K hrs mi	gh" >2 ~ 5V or d A; tolerance ± +90°C (Pleas C non-condensin 10 ~ 95% RH r 0 ~ 55°C) 6G 12min./1cyc JL8750(type"H 884, IP65 or IPi 60.1(by CB)(AB KVAC //P-F G, O/P-FG:10 0 BS EN/EN55 GB17625.1, KS 0 BS EN/EN61 KV, Line-Line 2l in. Telcordia	Open circuit =5%, ripple : 10 e refer to "OU" Ing Ing Ing Ing Ing Ing Ing In	Power off: "Lc 0mVp-p(max.) TPUT LOAD v: 9 72min. each ala 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 98	ong X, Y, Z axe 2, ENEC BS EN 6B19510.1,GB1 C61347-2-13(e C70% RH ass C (@ loads	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 0	120;	
ENVIRONMENT SAFETY & EMC	5V STANDBY WORKING TEMP. MAX. CASE TEM WORKING HUMIL STORAGE TEMP. TEMP. COEFFICII VIBRATION SAFETY STANDA WITHSTAND VOL ISOLATION RESI: EMC EMISSION EMC IMMUNITY	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 GB/T 17743, Compliance to Line-Earth 4K 913.4K hrs mi 280*144*48.5	gh" >2 ~ 5V or d A; tolerance ± +90°C (Pleas C non-condensin 10 ~ 95% RH r 0 ~ 55°C) 6G 12min./1cyc JL8750(type"H 884, IP65 or IPi 60.1(by CB)(AB KVAC //P-F G, O/P-FG:10 0 BS EN/EN55 GB17625.1, KS 0 BS EN/EN61 KV, Line-Line 2l in. Telcordia	Open circuit =5%, ripple : 10 e refer to "OU" ng non-condensing cle, period for L"), CSA C22.2 67, J61347-1, , 8 type except), G:2KVAC O 00M Ohms / 50 015, BS EN/EN 6 C 9815, KS C 000-4-2,3,4,5, KV), EAC TP T a SR-332 (Bello	Power off: "Lc 0mVp-p(max.) TPUT LOAD v: 9 72min. each ala 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 98	ong X, Y, Z axe 2, ENEC BS EN 6B19510.1,GB1 C61347-2-13(e C70% RH ass C (@ load in the control of the control o	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 0	120;	

NOTE

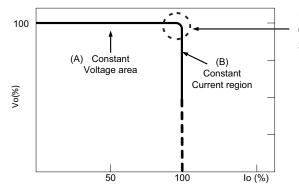
- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25° C of ambient temperature.
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- 3. Tolerance : includes set up tolerance, 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° C/1000m with fanless models and of 5° 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.
- X Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx File Name:HLG-600H-SPEC 2024-10-11





■ 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.

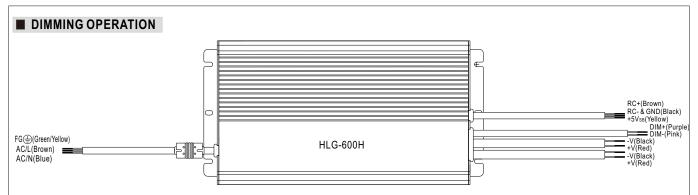


Typical output current normalized by rated current (%)

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

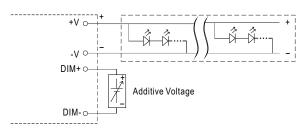
Should there be any compatibility issues, please contact MEAN WELL.





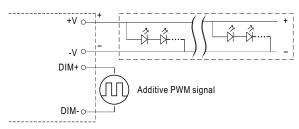
※ 3 in 1 dimming function (for B/AB-Type)

- 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



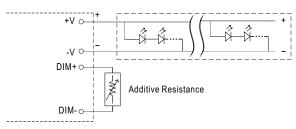
"DO NOT connect "DIM- to -V"

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

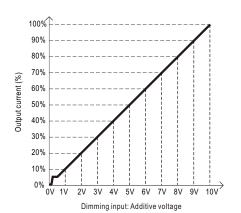


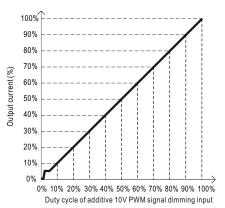
"DO NOT connect "DIM- to -V"

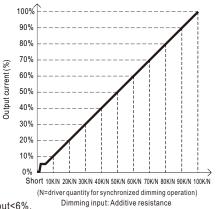
Applying additive resistance:



"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 $0 \, \text{k} \, \Omega$ or $0 \, \text{Vdc}$, or $10 \, \text{V}$ PWM signal with $0 \, \text{\%}$ duty cycle.



70%

LOAD

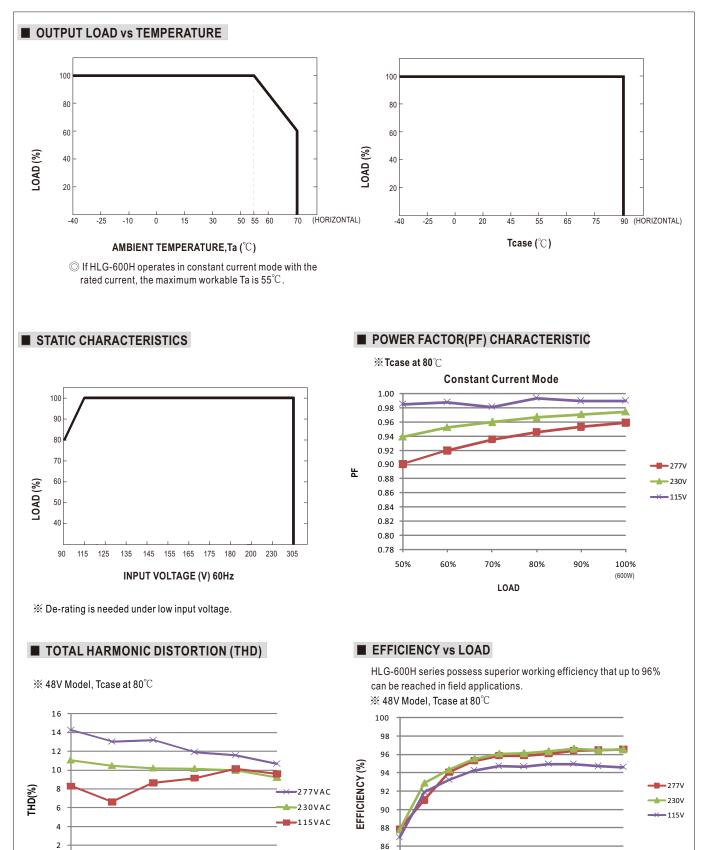
50%

60%

80%

90%

100%



80% 90% 100%

20% 30% 40% 50% 60% 70%

LOAD



■ LIFETIME

