



- Features :
- Universal AC input / Full range (up to 305VAC)
 - Built-in active PFC function
 - Protections: Short circuit / Over current / Over voltage / Over temperature
 - Cooling by free air convection
 - OCP point adjustable through output cable or internal potentiometer
 - IP67 / IP65 design for indoor or outdoor installations
 - "UL8750 listed" safety approved for HLG-80H-□BL
 - Class 2 power unit
 - Three in one dimming function (1~10Vdc or PWM signal or resistance)
 - Suitable for LED lighting and moving sign applications
 - Compliance to worldwide safety regulations for lighting
 - Suitable for dry / damp / wet locations
 - 5 years warranty (Note.10)

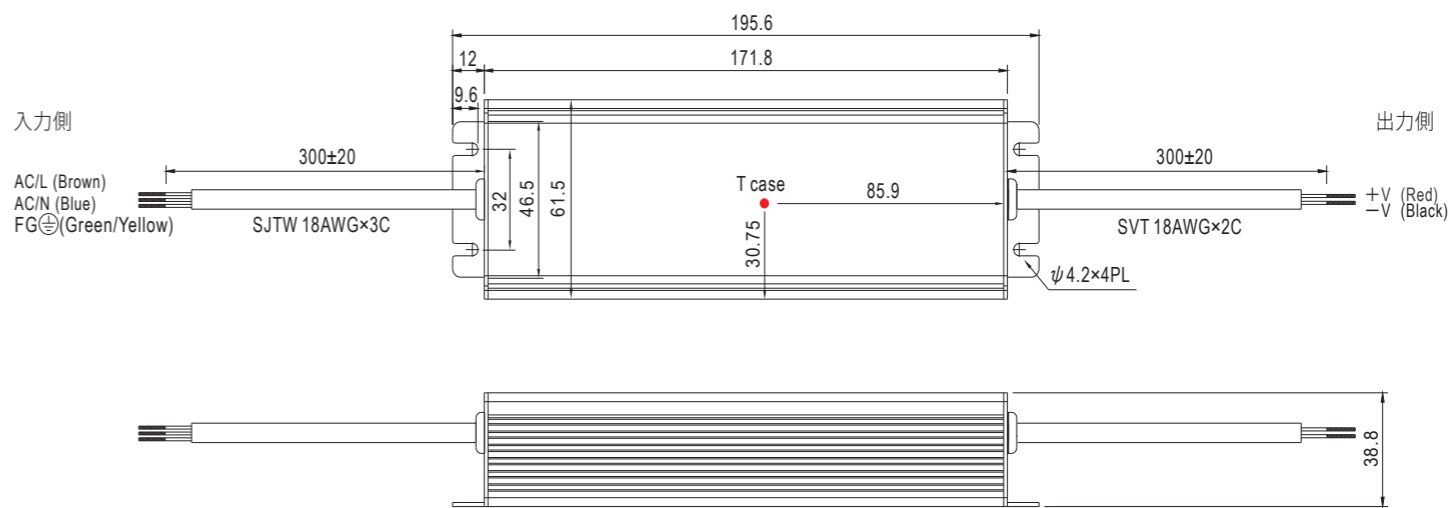


HLG-80H-12 [A] Blank : IP67 rated. Cable for I/O connection.
 A : IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer.
 B : IP67 rated. Constant current level adjustable through output cable with 1~10Vdc or 10V PWM signal or resistance.
 BL (option) : Contact MEAN WELL for details.
 D (option) : IP67 rated. Timer dimming function, contact MEAN WELL for details.

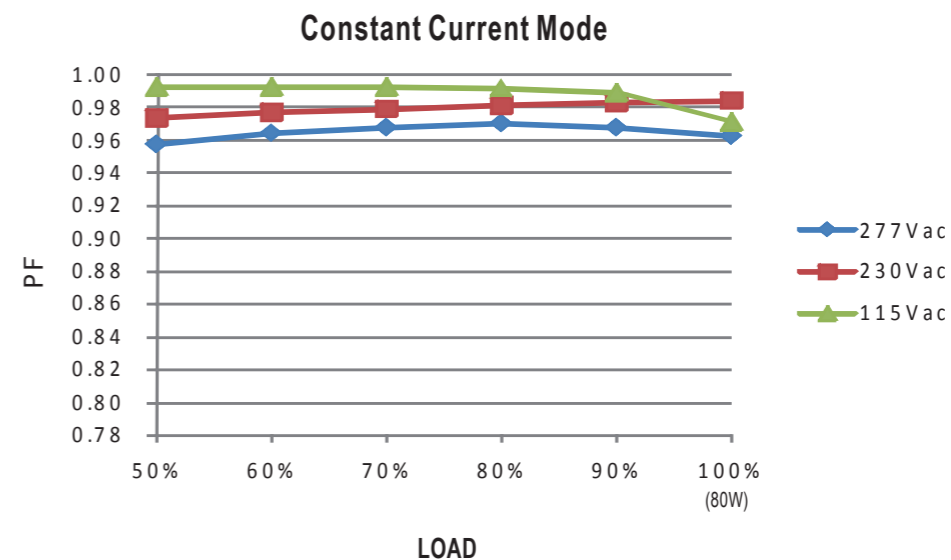
SPECIFICATION

MODEL	HLG-80H-12	HLG-80H-15	HLG-80H-20	HLG-80H-24	HLG-80H-30	HLG-80H-36	HLG-80H-42	HLG-80H-48	HLG-80H-54	
DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V	
CONSTANT CURRENT REGION Note.4	7.2 ~ 12V	9 ~ 15V	12 ~ 20V	14.4 ~ 24V	18 ~ 30V	21.6 ~ 36V	25.2 ~ 42V	28.8 ~ 48V	32.4 ~ 54V	
RATED CURRENT	5A	5A	4A	3.4A	2.7A	2.3A	1.95A	1.7A	1.5A	
RATED POWER	60W	75W	80W	81.6W	81W	82.8W	81.9W	81.6W	81W	
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 Note.6	10.8 ~ 13.5V	13.5 ~ 17V	17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	38 ~ 46V	43 ~ 53V	49 ~ 58V	
CURRENT ADJ. RANGE	Can be adjusted by internal potentiometer A type only									
CURRENT ADJ. RANGE	3 ~ 5A	3 ~ 5A	2.4 ~ 4A	2.04 ~ 3.4A	1.62 ~ 2.7A	1.38 ~ 2.3A	1.17 ~ 1.95A	1.02 ~ 1.7A	0.9 ~ 1.5A	
VOLTAGE TOLERANCE Note.3	±2.5%	±2.0%	±1.0%	±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%	
SETUP, RISE TIME Note.8	1200ms, 80ms/115VAC 500ms, 80ms/230VAC at full load ; B type 1200ms, 200ms/115VAC 500ms, 200ms/230VAC at 95% load									
HOLD UP TIME (Typ.)	16ms at full load 230VAC /115VAC									
VOLTAGE RANGE Note.5	90 ~ 305VAC		127 ~ 431VDC							
FREQUENCY RANGE	47 ~ 63Hz									
POWER FACTOR (Typ.)	PF>0.96/115VAC, PF>0.96/230VAC, PF>0.94/277VAC at full load (Please refer to "Power Factor Characteristic" curve)									
TOTAL HARMONIC DISTORTION	THD< 20% when output loading≥60% at 115VAC/230VAC input and output loading≥75% at 277VAC input									
EFFICIENCY (Typ.)	88%	89%	90%	90.5%	91%	91%	91%	91%	91%	
AC CURRENT (Typ.)	0.85A / 115VAC		0.425A / 230VAC		0.4A / 277VAC					
INRUSH CURRENT (Typ.)	COLD START 70A (twidh=485 μs measured at 50% Ipeak) at 230VAC									
LEAKAGE CURRENT	<0.75mA / 277VAC									
OVER CURRENT Note.4	95 ~ 108% Protection type : Constant current limiting, recovers automatically after fault condition is removed									
SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed									
OVER VOLTAGE	14 ~ 17V	18 ~ 24V	23 ~ 30V	28 ~ 35V	35 ~ 43V	41 ~ 49V	48 ~ 58V	54 ~ 63V	59 ~ 68V	
OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover									
WORKING TEMP.	-40 ~ +70°C (Refer to "Derating Curve")									
WORKING HUMIDITY	20 ~ 95% RH non-condensing									
STORAGE TEMP., HUMIDITY	-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.7	UL8750, CSA C22.2 No. 250.0-08(except for HLG-80H-48/54V & HLG-80H-48/54BL), UL8750 listed for HLG-80H-□BL EN61347-1, EN61347-2-13 independent, J61347-1, J61347-2-13, IP65 or IP67 approved ; Design refer to UL60950-1, TUV EN60950-1									
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC									
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH									
EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (≥60% load) ; EN61000-3-3									
EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547, EN55024, light industry level (surge 4KV), criteria A									
MTBF	357.8Khrs min. MIL-HDBK-217F (25°C)									
DIMENSION	195.6*61.5*38.8mm (L*W*H)									
PACKING	0.84Kg; 16pcs/14.4Kg/0.54CUFT									

HLG-80H-12 外觀図



Power Factor Characteristic



※本品の規格および外観は改良のため予告なしに変更する事がありますので、あらかじめご了承下さい。

7					器具タイプ	
6						
5						
4						
3						
2					適合ランプ	
1					型番	
					作成日付	
						2015.04.08
品番	品名	材質	数量	摘要		
	第三角法	単位 : mm	尺度	質量	Kg	