

# 承認図

MEAN WELL HLG-320H-12

LED 専用電源



- Features :
  - Universal AC input / Full range (up to 305VAC)
  - Built-in active PFC function
  - High efficiency up to 95%
  - 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
  - Three in one dimming function (1~10Vdc or PWM signal or resistance)
  - Suitable for LED lighting and street lighting applications
  - Compliance to worldwide safety regulations for lighting
  - Suitable for dry / damp / wet location
  - 5 years warranty (Note.10)

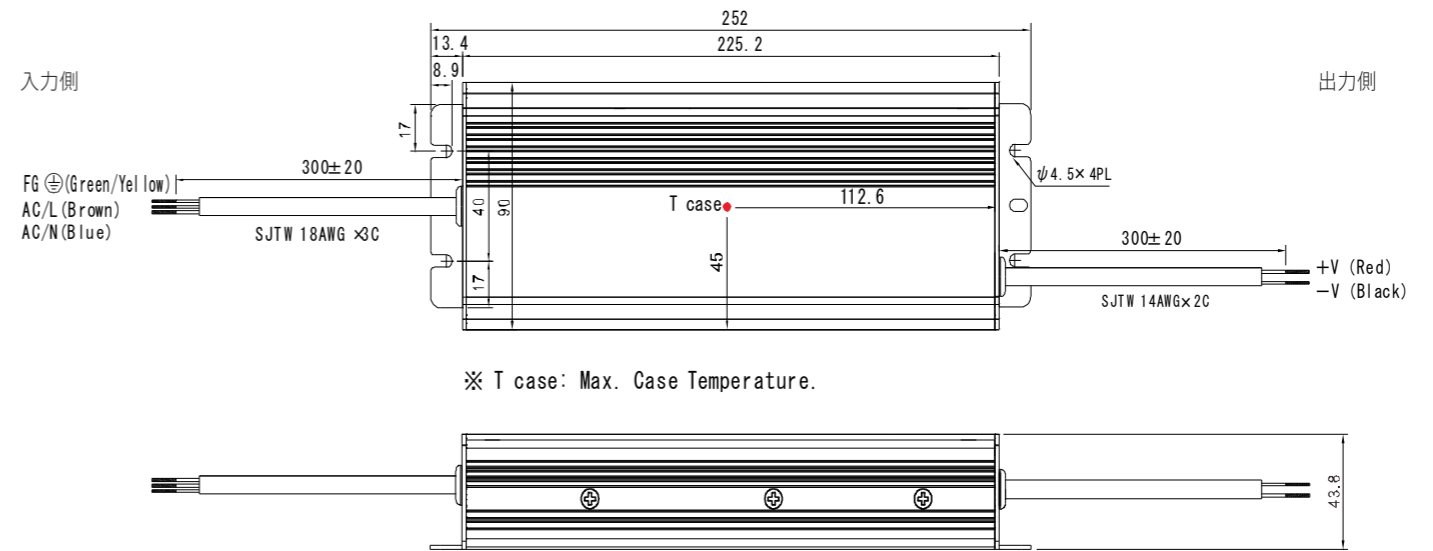


HLG-320H-12 [A] Blank : IP67 rated. Cable for I/O connection.  
 A : IP65 rated. Output voltage and constant current level can be adjusted through potentiometer.  
 B : IP67 rated. Constant current level adjustable through output cable (1~10Vdc or PWM signal or resistance).  
 C : Terminal block for I/O connection. Output voltage and constant current level can be adjusted through potentiometer.  
 D (option) : IP67 rated. Timer dimming function, contact MEAN WELL for details.

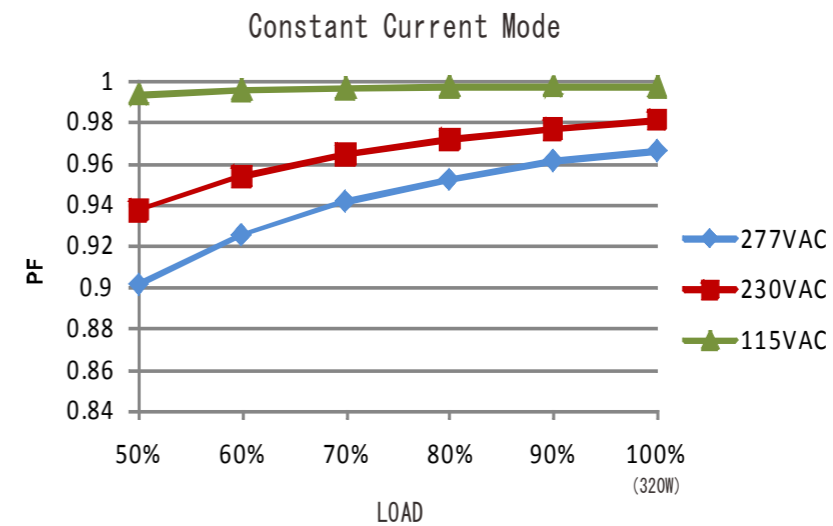
## SPECIFICATION

MODEL	HLG-320H-12	HLG-320H-15	HLG-320H-20	HLG-320H-24	HLG-320H-30	HLG-320H-36	HLG-320H-42	HLG-320H-48	HLG-320H-54
DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
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	22A	19A	15A	13.34A	10.7A	8.9A	7.65A	6.7A	5.95A
RATED POWER	264W	285W	300W	320.16W	321W	320.4W	321.3W	321.6W	321.3W
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 Note.6	10.8-13.5V	13.5-17V	17-22V	21-26V	26-32V	32-39V	38-45V	43-52V	49-58V
CURRENT ADJ RANGE	Can be adjusted by internal potentiometer A type and C type only								
	11-22A	9.5-19A	7.5-15A	6.67-13.34A	5.35-10.7A	4.45-8.9A	3.8-7.65A	3.35-6.7A	2.97-5.95A
VOLTAGE TOLERANCE Note.3	±3.0%	±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%
SETUP, RISE TIME Note.8	2500ms, 80ms/115VAC		500ms, 80ms/230VAC at full load						
HOLD UP TIME (Typ)	15ms at full load		230VAC / 115VAC						
VOLTAGE RANGE Note.5	90 ~ 305VAC		127 ~ 431VDC						
FREQUENCY RANGE	47 ~ 63Hz								
POWER FACTOR (Typ)	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.94/277VAC at full load (Please refer to "Power Factor Characteristic" curve)								
TOTAL HARMONIC DISTORTION	THD< 20% when output loading ≥50% at 115VAC/230VAC input and output loading ≥75% at 277VAC input								
EFFICIENCY (Typ) (230Vac)	91%	92.5%	93.5%	94%	94%	94.5%	95%	95%	95%
EFFICIENCY (Typ) (277Vac)	91.5%	93%	94%	94.5%	94.5%	95%	95%	95%	95%
AC CURRENT (Typ)	3.5A / 115VAC		1.65A / 230VAC		1.45A / 277VAC				
INRUSH CURRENT (Typ)	COLD START 70A (width=1010μs measured at 50% Ipeak ) at 230VAC								
LEAKAGE CURRENT	<0.75mA / 277VAC								
OVER CURRENT Note.4	95 ~ 108%								
SHORT CIRCUIT	Protection type : Constant current limiting, recovers automatically after fault condition is remove								
OVER VOLTAGE	14-17V	17.5-21V	22.5-27V	27-33V	33-37V	40-46V	46.5-53V	53.5-60V	59-65V
OVER TEMPERATURE	Shut down and latch off o/p voltage, re-power on to recover								
WORKING TEMP.	-40~+80°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 (0~50°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, EN61347-1, EN61347-2-13 independent, IP65 or IP67, J61347-2-13 (except for HLG-320H C type) approved								
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, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (≥50% load) ; EN61000								
EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547, EN55024, light industry level (surge 4KV), criteria B								
MTBF	157,143 hrs min. MIL-HDBK-217F (25°C)								
DIMENSION	252*90*43.8mm (L*W*H)								
PACKING	1.88Kg: 8pcs/16Kg/0.92CUFT								

## HLG-320H-12 外観図



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

Lumiere Japan Co.,Ltd