

## Alimentatore 12V 320 W IP65 A-HLG

Cod. 112175

Alimentatore adatto ad installazioni in esterno.  
 Corpo in ABS  
 Classi di protezione II e F  
 Tensione e corrente regolabili mediante potenziometro

### Caratteristiche tecniche

**W** potenza  
320 W

**A** corrente  
22,0 A


**protezione**  
IP65

**applicazione**  
esterno

**V<sub>in</sub>** tensione Ingresso  
90-305 Vac

**V<sub>out</sub>** tensione Uscita  
12 V

### Caratteristiche geometriche

 Dimensioni (mm)  
(252 x 90 x 43,8)



Le immagini del prodotto sono di riferimento

Tutte le indicazioni riportate non sono vincolanti e possono essere soggette a modifiche, anche senza preavviso.



### 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
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- 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 internal potentiometer.**  
 B : IP67 rated. Constant current level adjustable through output cable with 1~10Vdc or PWM signal or resistance.  
 C : Terminal block for I/O connection. Output voltage and constant current level can be adjusted through internal potentiometer.  
 D (option) : IP67 rated. Timer dimming function, contact MEAN WELL for details.

### SPECIFICATION

MODEL	HLG-320H-12 <b>A</b>	HLG-320H-15	HLG-320H-20	HLG-320H-24	HLG-320H-30	HLG-320H-36	HLG-320H-42	HLG-320H-48	HLG-320H-54		
OUTPUT	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										
INPUT	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									
	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									
PROTECTION	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	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									
ENVIRONMENT	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 (0~50°C)									
	VIBRATION	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes									
SAFETY & EMC	SAFETY STANDARDS Note.7	UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13 independent, IP65 or IP67 (except for HLG-320H C type), J61347-1, 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); EN61000-3-3									
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge 4KV), criteria B									
	MTBF	157.1K hrs min. MIL-HDBK-217F (25°C)									
	DIMENSION	252*90*43.8mm (L*W*H)									
	PACKING	1.88Kg; 8pcs/16Kg/0.92CUFT									
NOTE	<ol style="list-style-type: none"> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF &amp; 47uF parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>Please refer to "DRIVING METHODS OF LED MODULE".</li> <li>Derating may be needed under low input voltages. Please check the static characteristics for more details.</li> <li>A type and C type only.</li> <li>Safety and EMC design refer to EN60598-1, subject CNS15233, GB7000.1, FCC part18.</li> <li>Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.</li> <li>The power supply 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-quality EMC Directive on the complete installation again.</li> <li>Refer to warranty statement.</li> <li>To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains.</li> </ol>										