

Наличие и актуальные цены на

HBG-100P-60A

https://www.meanwell.ru/store/HBG-100P-60A/







(for DA Type only) SELV (105 c ALus [III (C CBCE KA

Features

- · Constant Current mode output
- Circular shape PCB type design
- Built-in active PFC function
- Function options: output adjustable via potentiometer; 3 in 1 dimming; DALI
- Typical lifetime>50000 hours
- 5 years warranty

Applications

- LED bay lighting
- LED down lighting
- LED spot lighting
- LED mining lighting
- LED stage lighting

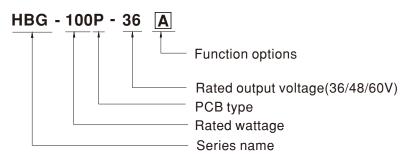
GTIN CODE

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

Description

HBG-100P series is a 100W AC/DC PCB type LED driver featuring the circular shape design. It operates from 90 \sim 305VAC and offers constant current output models with different rated voltage ranging between 36V and 60V. Thanks to the high efficiency up to 91.5%, with the fanless design, the entire series is able to operate for -40°C \sim +45°C under free air convection. HBG-100P is equipped with various function options, such as dimming methodology, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding



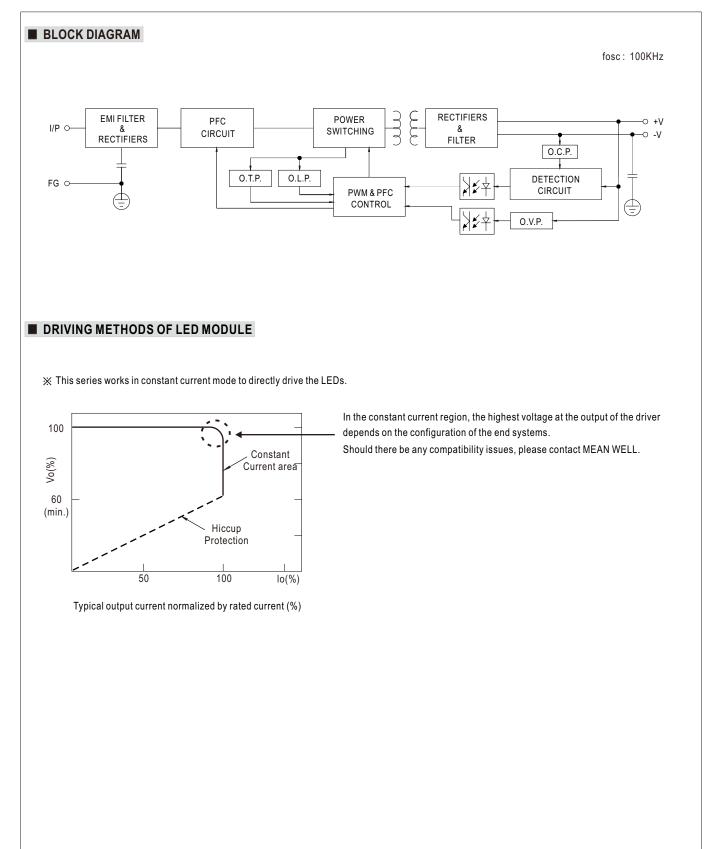
Туре	Function	Note
A	lo adjustable through built-in potentiometer.	In Stock
В	3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
DA	DALI control technology.	In Stock



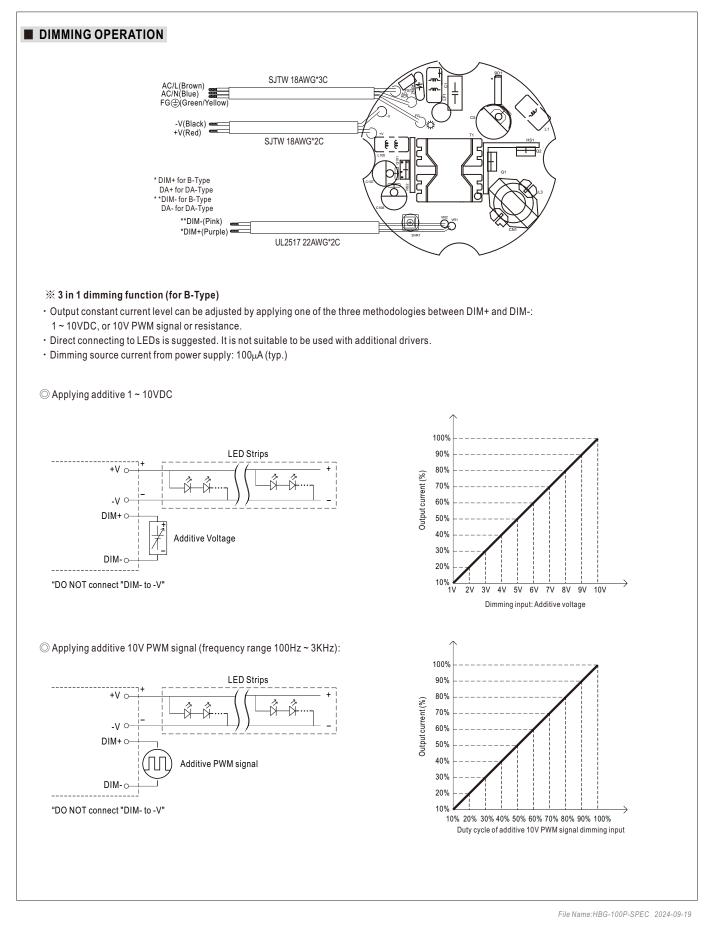
SPECIFICATION

MODEL		HBG-100P-36		HBG-100P-48		HBG-100P-60	
	RATED CURRENT	2.7A		2A		1.6A	
OUTPUT	RATED POWER	97.2W		96W		96W	
	CONSTANT CURRENT REGION Note.2	21.6 ~ 36V		28.8~48V		36~60V	
	OPEN CIRCUIT VOLTAGE(max.)						
	CURRENT ADJ. RANGE	Adjustable for A-Type only (via built-in potentiometer)					
		1.62 ~ 2.7A		1.2 ~ 2A		1.0 ~ 1.6A	
	CURRENT RIPPLE	5.0% max. @rated current					
	CURRENT TOLERANCE	±5.0%					
	SET UP TIME Note.4	2000ms / 115VAC 500ms / 230VAC					
	VOLTAGE RANGE Note.3	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR	$\label{eq:product} \begin{array}{l} PF{\cong}0.96/115VAC, PF{\cong}0.96/230VAC, PF{\cong}0.94/277VAC@ full load \\ (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) array$					
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧60%/115VC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)					
INPUT	EFFICIENCY (Typ.) Note.5	91%		91%		91.5%	
	AC CURRENT	1.1A/115VAC 0.5A/230VAC 0.45A/277VAC					
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=550µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA/277VAC					
		95~108%					
	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed					
PROTECTION		41~49V 54~63V 65~75V					
	OVER VOLTAGE	Shut down o/p voltage, re-power on to recovery					
	OVER TEMPERATURE Note.10						
	WORKING TEMP.	Ta=-40 ~ +45°℃ (Pl	ease refer to " OU	TPUT LOAD vs TE	EMPERATURE" se	ction)	
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 9	95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 45°C)					
	VIBRATION	10~500Hz, 2G 12	min./1cycle, period	for 72min. each	along X, Y, Z axes		
SAFETY & EMC	SAFETY STANDARDS	UL8750,CSA C22.2 No.250.13-12; ENEC BS EN/EN61347-1,BS EN/EN61347-2-13,BS EN/EN62384, GB19510.1, GB19510.14,EAC TP TC 004 approved					
	DALI STANDARDS	Compliance to IEC62386-101, 102, 207 for DA-Type only					
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH					
	EMC EMISSION	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load ≧60%) ; BS EN/EN61000-3-3, GB/T 17743, GB17625.1,EAC TP TC 020					
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, light industry level(surge immunity:Line-Earth:4KV, Line-Line:2KV),EAC TP TC 020					
OTHERS	MTBF	2612.1K hrs min.	Telcordia SR-33	2 (Bellcore) ;346.9	K hrs min. MIL	-HDBK-217F (25°C)	
	DIMENSION	Refer to mechanic	al specification				
	PACKING	0.3Kg; 45pcs/14.5l	Kg/1.60CUFT				
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. Please refer to "DRIVING METHODS OF LED MODULE". De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. The DA type power supply is less efficient than the typical efficiency in specification by 1%. The driver 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-qualify EMC Directive on the complete installation again. (as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf) This series meets the typical life expectancy of >50,000 hours of operation when Ta is about 45°C or less. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com 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). All functional testing must be filled with potting,including OTP function . Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx 						

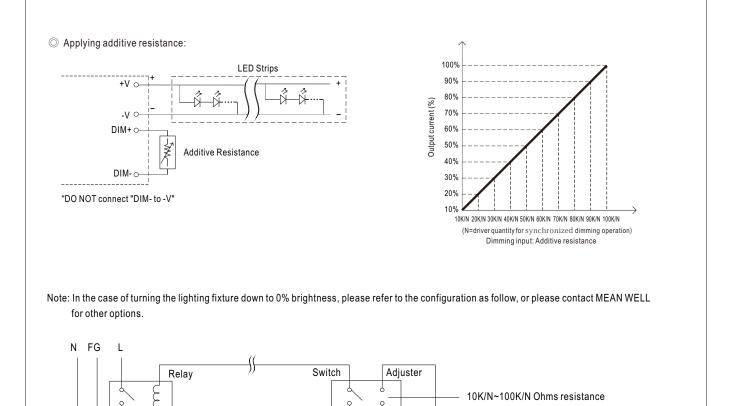












Purple

Pink

Black

Red

DIM+ ↔

DIM- O-

V(-) ↔

V(+) ↔

1~10V DC Voltage 10V PWM Signal

LED Lighting Fixture

Using a switch and relay can turn $\ensuremath{\mathsf{ON/OFF}}$ the lighting fixture.

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-o AC/L

-o AC/N

HBG-100P

B-Type

※ DALI Interface (primary side; for DA-Type)

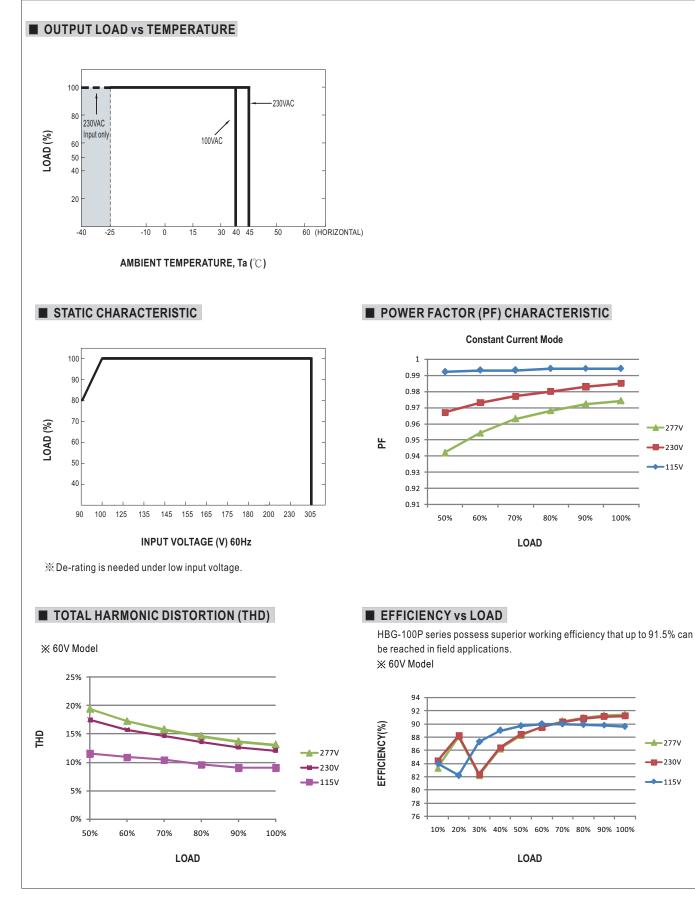
- \cdot Apply DALI signal between DA+ and DA-.
- DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 8% of output.

Brown

Blue

Green/ Yellow







MECHANICAL SPECIFICATION

