

Наличие и актуальные цены на

HBG-100P-60B

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







(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

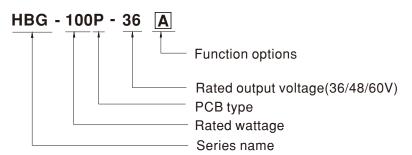
GTIN CODE

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



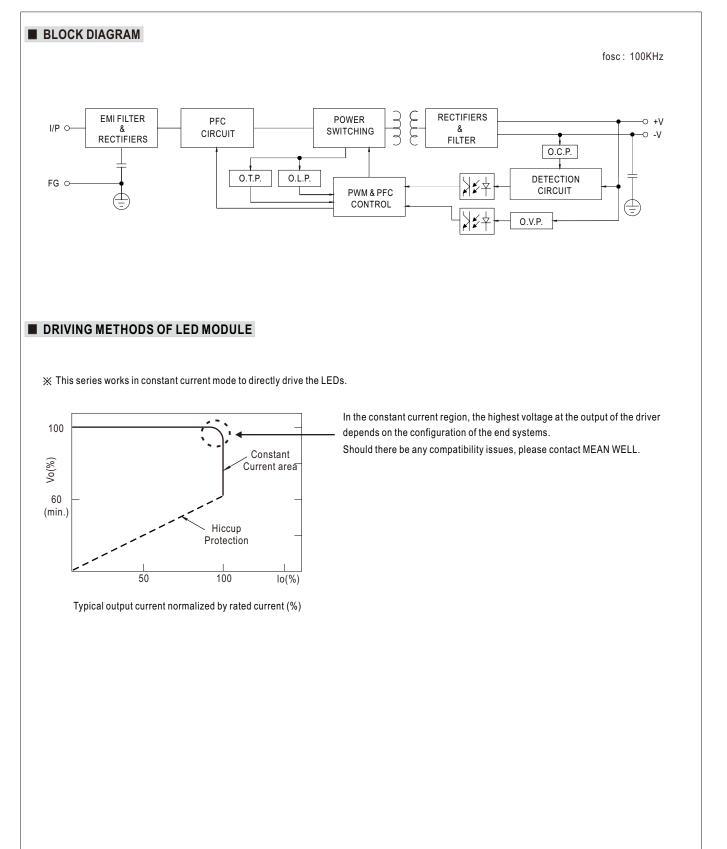
| Туре | Function | Note |
|------|--|----------|
| A | lo adjustable through built-in potentiometer. | In Stock |
| В | 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance) | In Stock |
| DA | DALI control technology. | In Stock |



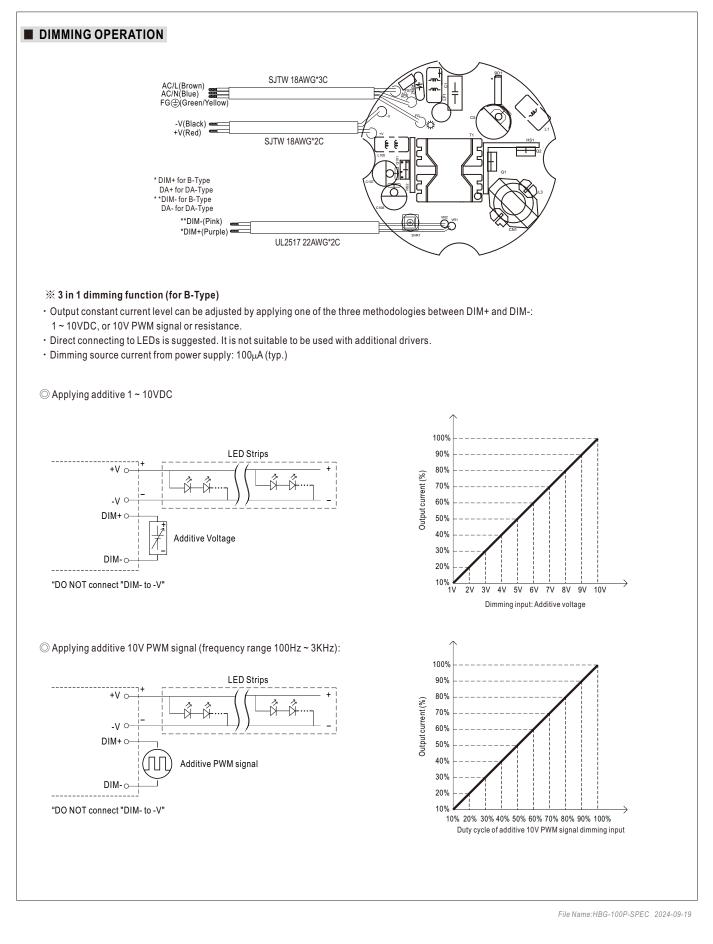
SPECIFICATION

| 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 | | | | | | |

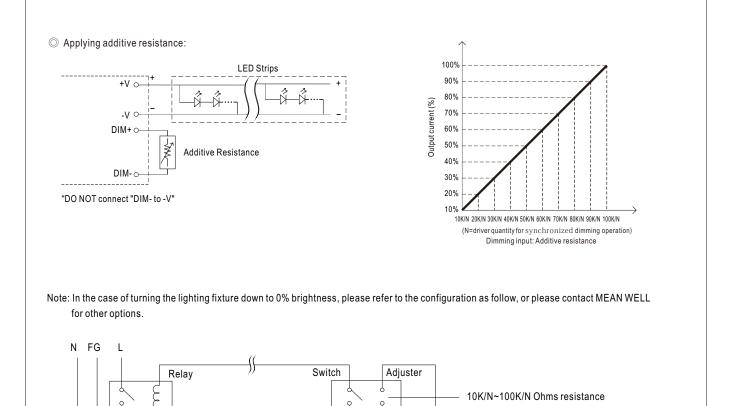












Purple

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.

-0 🕀

-o AC/L

-o AC/N

HBG-100P

B-Type

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

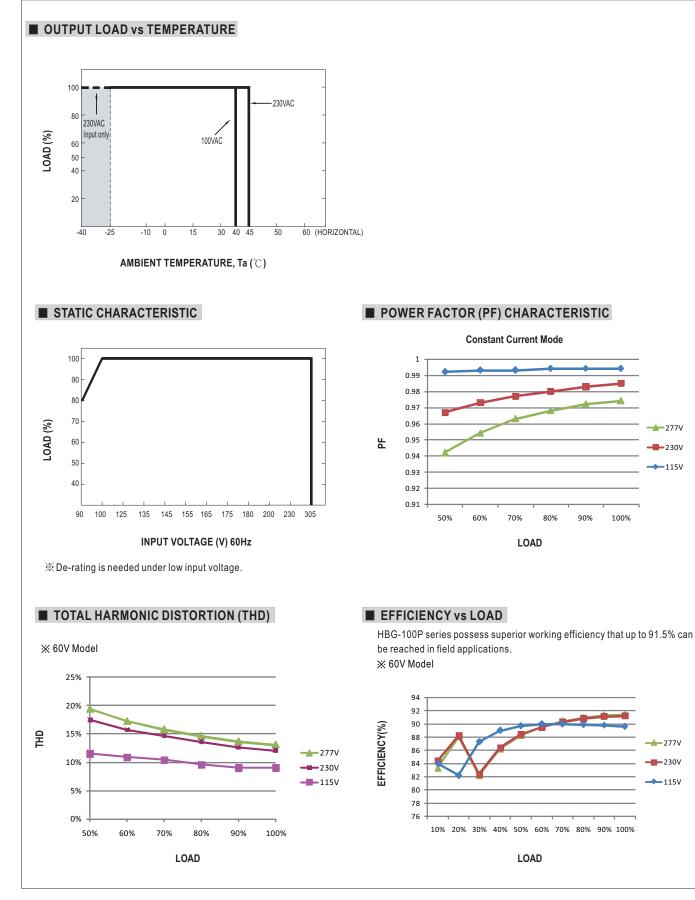
- \cdot Apply DALI signal between DA+ and DA-.
- DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 8% of output.

Brown

Blue

Green/ Yellow







MECHANICAL SPECIFICATION

