

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

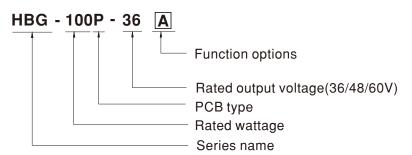
### GTIN CODE

MW Search: <a href="https://www.meanwell.com/serviceGTIN.aspx">https://www.meanwell.com/serviceGTIN.aspx</a>

### 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



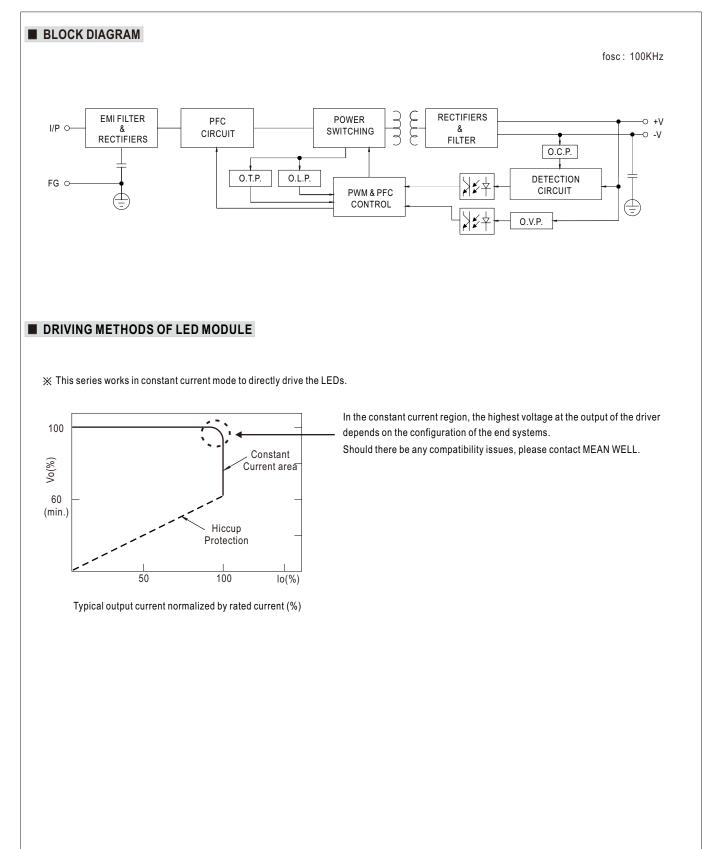
| Туре | Function   | Note     |
|------|--|----------|
| A    | lo adjustable through built-in potentiometer.                    | In Stock |
| В    | 3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance) | In Stock |
| DA   | DALI control technology.   | In Stock |



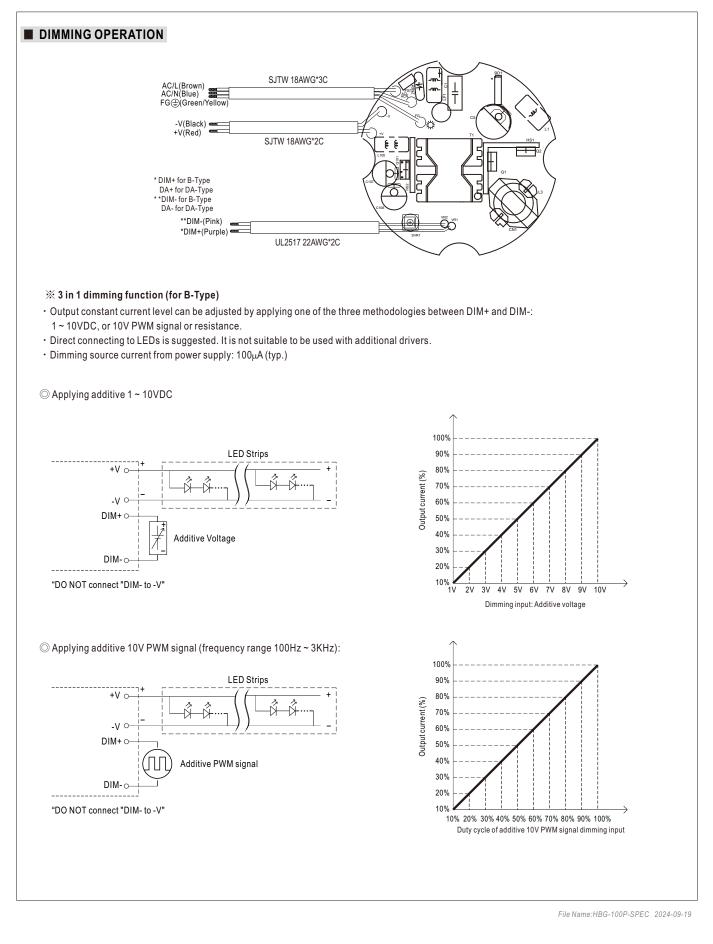
### SPECIFICATION

| 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<br>(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)<br>(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<br>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 &<br>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            | <ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature.</li> <li>Please refer to "DRIVING METHODS OF LED MODULE".</li> <li>De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</li> <li>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.</li> <li>The DA type power supply is less efficient than the typical efficiency in specification by 1%.</li> <li>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)</li> <li>This series meets the typical life expectancy of &gt;50,000 hours of operation when Ta is about 45°C or less.</li> <li>Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com</li> <li>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).</li> <li>All functional testing must be filled with potting,including OTP function .</li> <li>Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</li> </ol> |   |                     |                     |                    |                   |  |

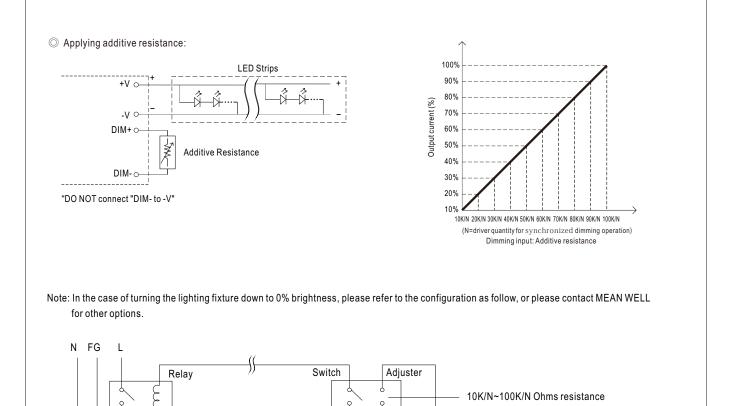












Purple

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)

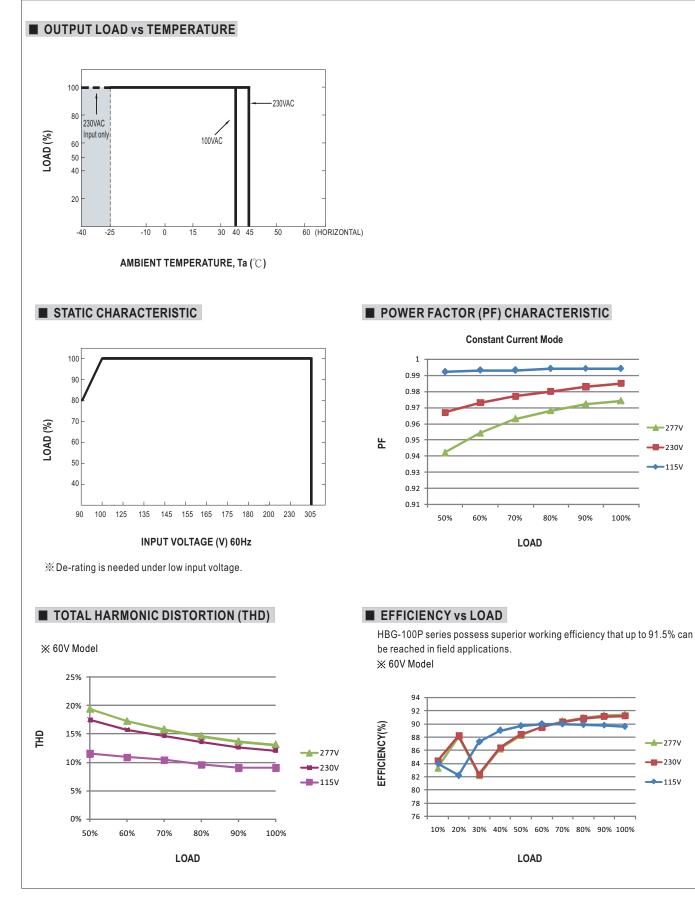
- $\cdot$  Apply DALI signal between DA+ and DA-.
- DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 8% of output.

Brown

Blue

Green/ Yellow







#### MECHANICAL SPECIFICATION

