









### Features

- Wide input range 180 ~ 528VAC
- · Constant Current mode output
- · Metal housing with Class I design
- · Built-in active PFC function
- · IP67 / IP65 design for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off) ; Timer dimming
- Typical lifetime>50000 hours
- 5 years warranty

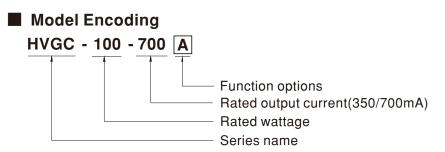
### Description

### Applications

- LED street lighting
- · LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- GTIN CODE

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

HVGC-100 series is a 100W LED AC/DC LED drive featuring the constant current mode and high voltage output. HVGC-100 operates from 180~528VAC and offers models with different rated current, 350mA and 700mA, respectively. Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for -40°C ~ +90°C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HVGC-100 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.



| Туре | IP Level | Function  | Note     |
|------|----------|---|----------|
| A    | IP65     | lo adjustable through built-in potentiometer.   | In Stock |
| В    | IP67     | 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)  | In Stock |
| AB   | IP65     | Io adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance) | In Stock |
| D    | IP67     | Timer dimming function, contact MEAN WELL for details(safety pending). By request                               |          |

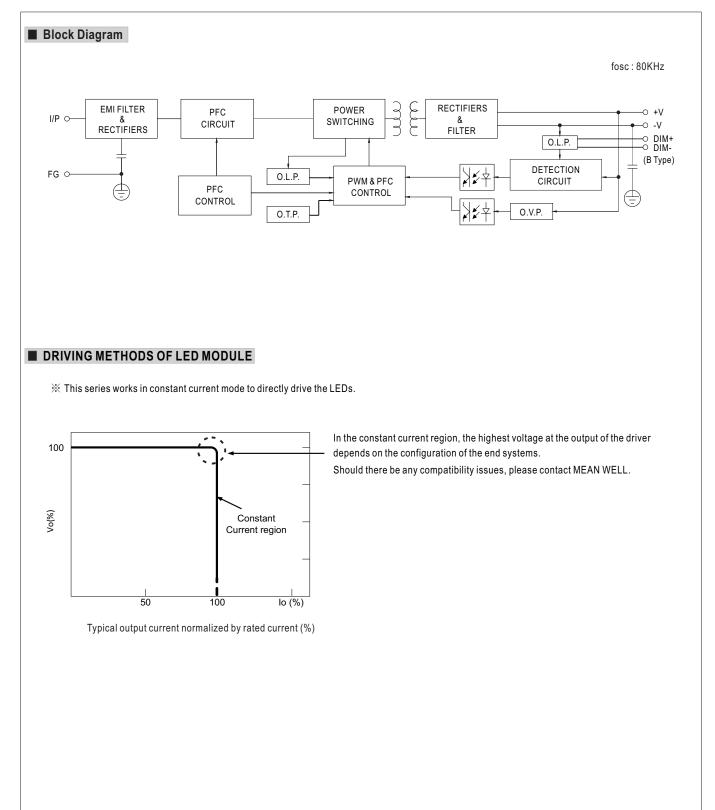


#### SPECIFICATION

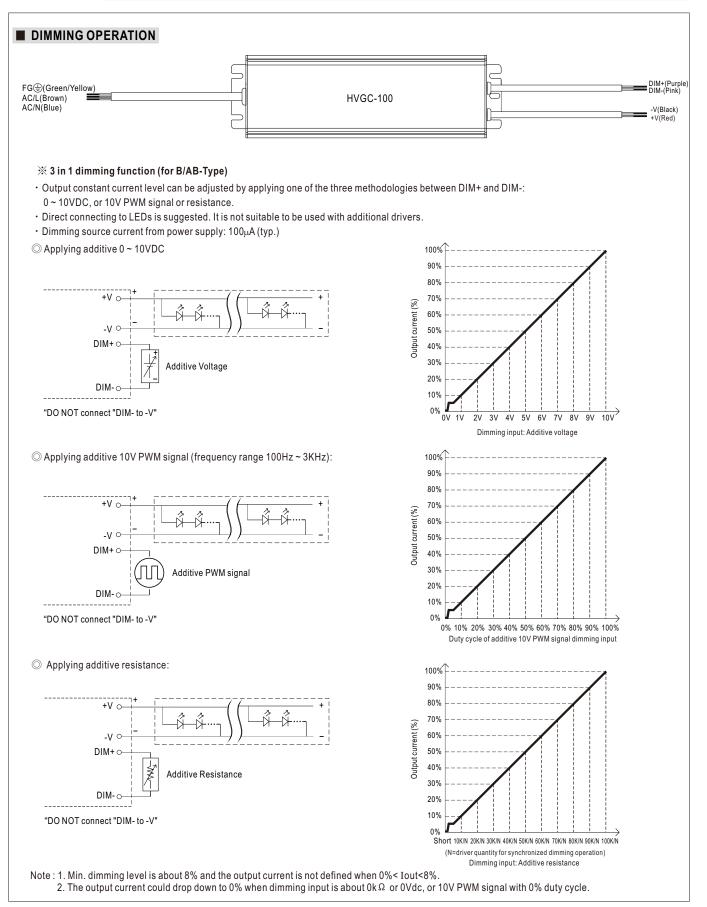
|             |   | HVGC-100-350  | HVGC-100-700             |  |  |
|-------------|---|---|--------------------------|--|--|
| WODEL       |   |   |                          |  |  |
|             | RATED CURRENT   | 350mA   | 700mA                    |  |  |
| OUTPUT      | RATED POWER   | 99.75W  | 99.4W                    |  |  |
|             | CONSTANT CURRENT REGION Note.2  |   |                          |  |  |
|             | CURRENT ADJ. RANGE  | Adjustable for A/AB-Type only (via built-in potentiometer)  | · · · · · ·              |  |  |
|             |   | 210 ~ 350mA   | 420 ~ 700mA              |  |  |
|             |   | 5 5.0% max. @rated current  |                          |  |  |
|             | CURRENT TOLERANCE   | ±5.0%   |                          |  |  |
|             | SET UP TIME Note.4  |   |                          |  |  |
| -           | VOLTAGE RANGE Note.3  | 180 ~ 528VAC 254VDC ~ 747VDC  |                          |  |  |
|             | VOLTAGE RANGE Note.3  | (Please reler to STATIC CHARACTERISTIC section)   |                          |  |  |
|             | FREQUENCY RANGE   | 47 ~ 63Hz   |                          |  |  |
|             | POWER FACTOR (Typ.)   | $\label{eq:pressure} \begin{array}{l} PF{\geq}0.98/230VAC, PF{\geq}0.98/277VAC, PF{\geq}0.97/347VAC, PF{\geq}0.93/480VAC @ full load \\ (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) \end{array}$ |                          |  |  |
|             | TOTAL HARMONIC DISTORTION   | (Please refer to "TOTAL HARMONIC DISTORTION (THD)" section)   |                          |  |  |
|             | EFFICIENCY (Typ.)   | 91%   | 91%                      |  |  |
| -           | AC CURRENT (Typ.)   | 0.38A / 347VAC 0.28A / 480VAC   |                          |  |  |
|             | INRUSH CURRENT (Typ.)   | COLD START 25A(twidth=900µs measured at 50% Ipeak) at 480VAC; Per NEMA 410  |                          |  |  |
|             | MAX. No. of PSUs on 16A<br>CIRCUIT BREAKER  | 5 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 480VAC   |                          |  |  |
|             | LEAKAGE CURRENT   | <0.75mA/480VAC  |                          |  |  |
|             | SHORT CIRCUIT   | Constant current limiting, recovers automatically after fault condition is removed  |                          |  |  |
| DROTECTION  |   | 300 ~ 320V  | 150~160V                 |  |  |
| PROTECTION  | OVER VOLTAGE  | Shut down o/p voltage with auto-recovery or re-power on to r  | recovery                 |  |  |
|             | OVER TEMPERATURE  | Shut down o/p voltage, recovers automatically after temperature goes down   |                          |  |  |
|             | WORKING TEMP.   | Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)  |                          |  |  |
|             | MAX. CASE TEMP.   | Tcase=+90°C   |                          |  |  |
| ENVIRONMENT | WORKING HUMIDITY  | 20 ~ 95% RH non-condensing  |                          |  |  |
|             | STORAGE TEMP., HUMIDITY   | -40 ~ +80°C, 10 ~ 95% RH  |                          |  |  |
|             | TEMP. COEFFICIENT   | ±0.03%/°C (0~60°C)  |                          |  |  |
|             | VIBRATION   | 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes   |                          |  |  |
|             | SAFETY STANDARDS  | UL8750, CSA C22.2 No. 250.0-08, TUV BS EN/EN61347-1, BS EN/EN61347-2-13, EAC TP TC 004, IP65 or IP67 approved;<br>design refer to UL60950-1   |                          |  |  |
|             | WITHSTAND VOLTAGE   | I/P-0/P:3.75KVAC I/P-FG:2KVAC 0/P-FG:1.5KVAC  |                          |  |  |
|             | ISOLATION RESISTANCE  | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH   |                          |  |  |
|             | Compliance to BS EN/EN55015_BS EN/EN61000.3-2_Class C (@ load≥50%) · BS EN/EN61000.3-3  |   |                          |  |  |
|             | EMC EMISSION  | FCC Part 15 Subpart, 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  | 745.0K hrs min. Telcordia SR-332 (Bellcore) ; 186.1K hrs mi   | in. MIL-HDBK-217F (25°C) |  |  |
|             | DIMENSION   | 236*68*38.8mm (L*W*H)   |                          |  |  |
|             | PACKING   | 1.18Kg; 12pcs/15.2Kg/0.74CUFT   |                          |  |  |
| NOTE        | PACKING 1.18Kg; 12pcs/15.2Kg/0.74CUFT   1. All parameters NOT specially mentioned are measured at 347VAC input, rated current and 25°C of ambient temperature.   2. Please refer to "DRIVING METHODS OF LED MODULE".   3. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.   4. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time.   5. It is measured 50% ~ 100% of maximum voltage under rated power delivery.   6. 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)   7. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to the mains.   8. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 80°C or less.   9. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.   10. 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)   11. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf |   |                          |  |  |



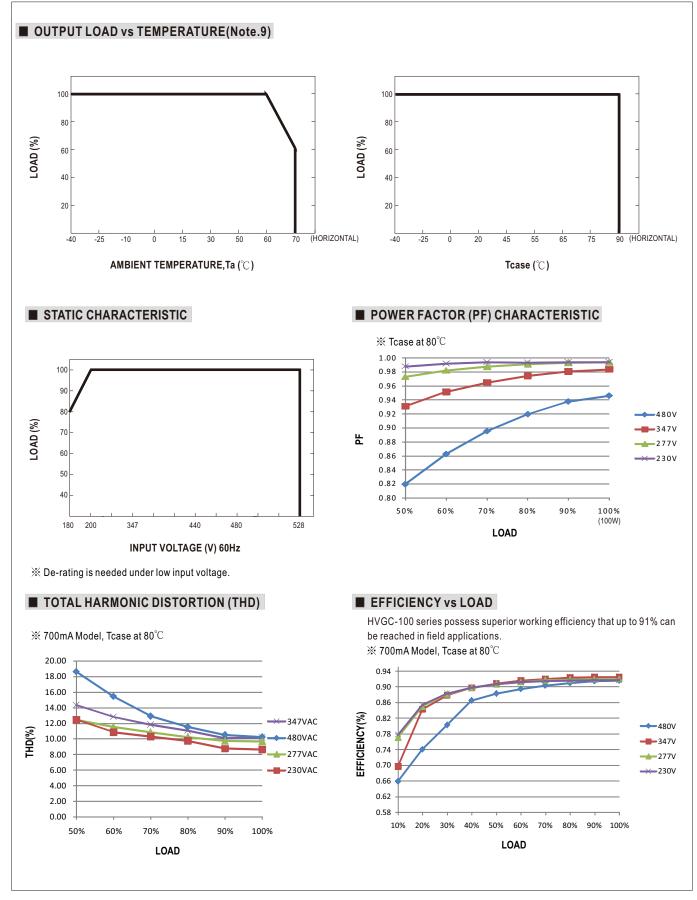
## 100W Constant Current Mode LED Driver









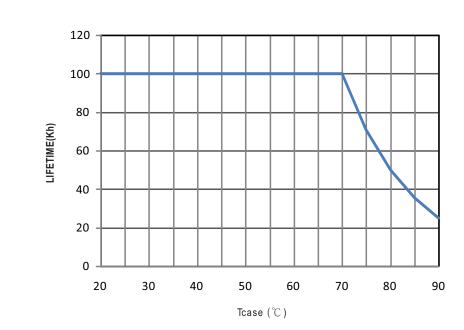




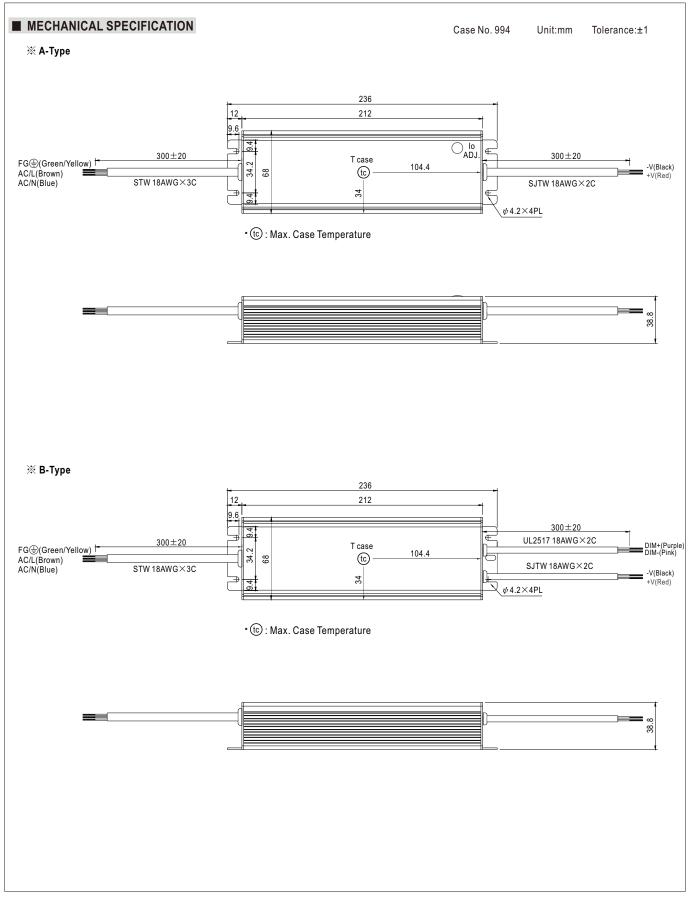
## 100W Constant Current Mode LED Driver

# HVGC-100 series

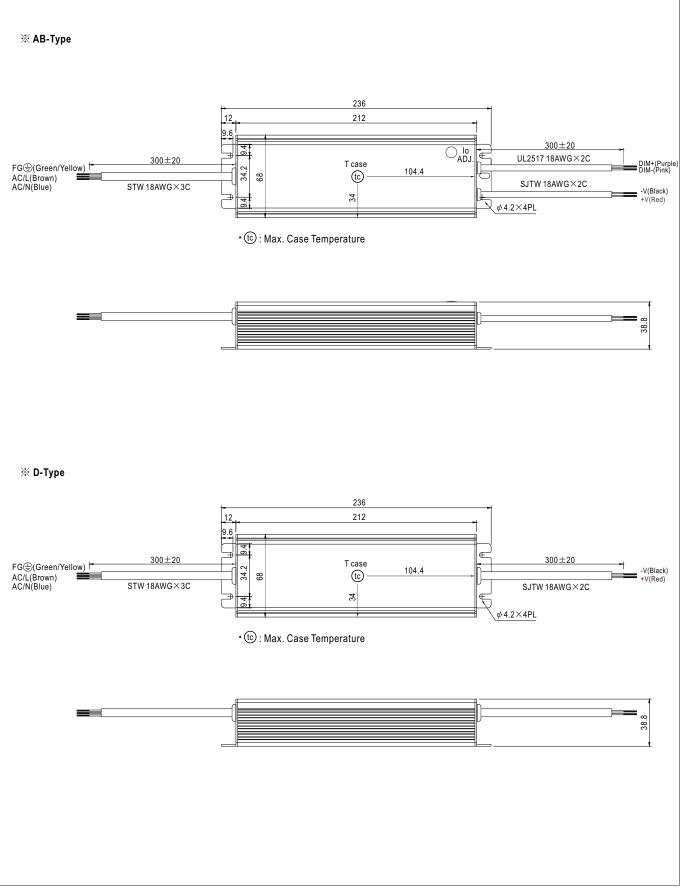
LIFE TIME













#### WATERPROOF CONNECTION

#### $\% \ {\rm Waterproof} \ {\rm connector}$

Waterproof connector can be assembled on the output cable of HVGC-100 to operate in dry/wet/damp or outdoor environment.

