



Features

- 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; Timer dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Applications

- LED street lighting
- LED fishing lamp
- LED harbor lighting
- LED building architectural lighting
- LED bay lighting

GTIN CODE

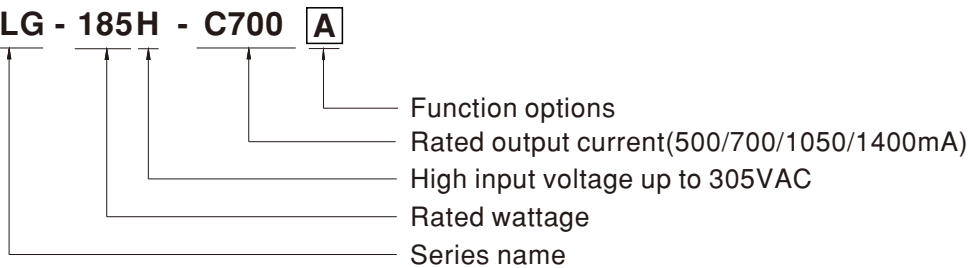
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

Description

HLG-185H-C series is a 200W AC/DC LED power supply featuring the constant current mode and high voltage output. HLG-185H-C operates from 90~305VAC and offers models with different rated current ranging between 500mA and 1400mA. Thanks to the high efficiency up to 94%, 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. HLG-185H-C is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding

HLG - 185H - C700 A



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



SPECIFICATION

| MODEL | | HLG-185H-C500 □ | HLG-185H-C700 □ | HLG-185H-C1050 □ | HLG-185H-C1400 □ |
|-----------------------------------|---|--|-----------------|------------------|------------------|
| OUTPUT | RATED CURRENT | 500mA | 700mA | 1050mA | 1400mA |
| | RATED POWER | 200W | 200.2W | 199.5W | 200.2W |
| | CONSTANT CURRENT REGION <small>Note.2</small> | 200V ~ 400V | 143V ~ 286V | 95V ~ 190V | 71V ~ 143V |
| | CURRENT ADJ. RANGE | Can be adjusted by internal potentiometer (A/AB type only) | | | |
| | | 250 ~ 500mA | 350 ~ 700mA | 525 ~ 1050mA | 700 ~ 1400mA |
| | CURRENT RIPPLE | 5.0% max. @rated current | | | |
| | CURRENT TOLERANCE | ±5% | | | |
| SET UP TIME <small>Note.4</small> | 1000ms/115VAC 500ms/230VAC | | | | |
| INPUT | VOLTAGE RANGE <small>Note.3</small> | 90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section) | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | |
| | POWER FACTOR (Typ.) | PF ≥ 0.98/115VAC or PF ≥ 0.96/230VAC or PF ≥ 0.93/277VAC @full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) | | | |
| | TOTAL HARMONIC DISTORTION | THD < 20% @ ≥ 50% load/115VAC, or 230VAC, or @ ≥ 75% load/277VAC (Please refer to "TOTAL HARMONIC DISTORTION" section) | | | |
| | EFFICIENCY (Typ.) | 94% | 94% | 94% | 94% |
| | AC CURRENT (Typ.) | 2A / 115VAC | 1A / 230VAC | 0.85A / 277VAC | |
| | INRUSH CURRENT(Typ.) | COLD START 55A(twidth=900μs measured at 50% Ipeak) at 230VAC; Per NEMA 410 | | | |
| | MAX. No. of PSUs on 16A CIRCUIT BREAKER | 2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC | | | |
| | LEAKAGE CURRENT | <0.75mA / 277VAC | | | |
| PROTECTION | SHORT CIRCUIT | Constant current limiting, recovers automatically after fault condition is removed | | | |
| | OVER VOLTAGE | 450 ~ 470V | 320 ~ 340V | 210 ~ 225V | 160 ~ 170V |
| | OVER TEMPERATURE | Shut down o/p voltage, recovers automatically after temperature goes down | | | |
| ENVIRONMENT | WORKING TEMP. | Tcase=-40 ~ +90°C (Refer to "Derating Curve") | | | |
| | MAX. CASE TEMP. | Tcase=+90°C | | | |
| | WORKING HUMIDITY | 10 ~ 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 | UL8750, CSA C22.2 No. 250.13-12, BS EN/EN/AS/NZS 61347-1, BS EN/EN/AS/NZS 61347-2-13, BS EN/EN62384 independent, GB19510.1,GB19510.14;IP65 or IP67, J61347-1, J61347-2-13(for A type only), EAC TP TC 004 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 BS EN/EN55015, BS EN/EN61000-3-2 Class C (≥ 50% load) ; BS EN/EN61000-3-3,GB17743 and GB17625.1, EAC TP TC 020 | | | |
| | EMC IMMUNITY | Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, heavy industry level (surge immunity Line-Earth 4KV, Line-Line 2KV), EAC TP TC 020 | | | |
| OTHERS | MTBF | 2458.6K hrs min. Telcordia SR-332 (Bellcore) ; 191.9K hrs min. MIL-HDBK-217F (25°C) | | | |
| | DIMENSION | 228*68*38.8mm (L*W*H) | | | |
| | PACKING | 1.15Kg; 12pcs/14.8Kg/0.8CUFT | | | |
| NOTE | <p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature.</p> <p>2. Please refer to "DRIVING METHODS OF LED MODULE".</p> <p>3. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</p> <p>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.</p> <p>5. 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.</p> <p>6. 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.</p> <p>7. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (Ⓢ) point (or TMP, per DLC), is about 75°C or less.</p> <p>8. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com.</p> <p>9. 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).</p> <p>10. 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</p> <p>※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p> | | | | |