



CONSTANT CURRENT AND CONSTANT VOLTAGE LED POWER SUPPLIES FOR HARSH ENVIRONMENTS WITH PFC FROM 150 WATTS TO 240 WATTS

- Universal AC input up to 305V AC full range.
- Built-in PFC function and efficiency up to 94%.
- IP65 or IP67 rated for indoor and outdoor use.
- Class 2 with five types:
- No suffix - IP67 rated with input and output cables.
- A Type - IP65 rated with output voltage and current adjustable through internal potentiometer.**
- B Type - IP67 rated with built-in 3-in-1 dimming function (1~10V DC, PWM signal or resistance dimming).
- C Type - Terminal block for input and output connections.
- D Type - IP67 rated with timer dimming function.
- Full 5 year warranty.



HLG-185H-12A

A comprehensive range of harsh environment LED power supplies with input ranges of 90~305V AC and 127~431V DC. These units have a single output voltage and are short circuit, over current, over voltage, and over temperature protected. They are cooled by free air convection and are suitable for dry, damp, and wet locations. The HLG series cover a number of applications such as: LED lighting, street lighting, and standard power supply use. The units meet the 4kV surge immunity level to IEC 61000-4-5 and are approved to the following safety standards: UL 8750, TUV EN 61347-1, EN 61347-2-13, PSE J61347-1, and PSE J61347-2-13. Full data sheets are available upon request. The C Type option is only available for HLG-240H models.

| Reference | Wattage | Output Voltage and Current | Output Adjuster | Output V Tolerance | Ripple & Noise | Efficiency | Dimensions L x W x H (mm) |
|--------------|-----------|----------------------------|-----------------|--------------------|----------------|------------|---------------------------|
| HLG-150H-12A | 150 Watts | 12V DC 12.50A | +/- 10% | +/- 2.5% | 150mVp-p | 91.5% | 228.0 x 68.0 x 38.8 |
| HLG-150H-15A | 150 Watts | 15V DC 10.00A | +/- 10% | +/- 2.0% | 150mVp-p | 92.0% | 228.0 x 68.0 x 38.8 |
| HLG-150H-20A | 150 Watts | 20V DC 7.50A | +/- 10% | +/- 1.0% | 150mVp-p | 93.0% | 228.0 x 68.0 x 38.8 |
| HLG-150H-24A | 150 Watts | 24V DC 6.30A | +/- 10% | +/- 1.0% | 150mVp-p | 93.0% | 228.0 x 68.0 x 38.8 |
| HLG-150H-30A | 150 Watts | 30V DC 5.00A | +/- 10% | +/- 1.0% | 200mVp-p | 93.5% | 228.0 x 68.0 x 38.8 |
| HLG-150H-36A | 150 Watts | 36V DC 4.20A | +/- 10% | +/- 1.0% | 200mVp-p | 93.5% | 228.0 x 68.0 x 38.8 |
| HLG-150H-42A | 150 Watts | 42V DC 3.60A | +/- 10% | +/- 1.0% | 200mVp-p | 94.0% | 228.0 x 68.0 x 38.8 |
| HLG-150H-48A | 150 Watts | 48V DC 3.20A | +/- 10% | +/- 1.0% | 200mVp-p | 94.0% | 228.0 x 68.0 x 38.8 |
| HLG-150H-54A | 150 Watts | 54V DC 2.80A | +/- 10% | +/- 1.0% | 200mVp-p | 94.0% | 228.0 x 68.0 x 38.8 |
| HLG-185H-12A | 185 Watts | 12V DC 13.00A | +/- 10% | +/- 2.5% | 150mVp-p | 91.5% | 228.0 x 68.0 x 38.8 |
| HLG-185H-15A | 185 Watts | 15V DC 11.50A | +/- 10% | +/- 2.0% | 150mVp-p | 92.0% | 228.0 x 68.0 x 38.8 |
| HLG-185H-20A | 185 Watts | 20V DC 9.30A | +/- 10% | +/- 1.0% | 150mVp-p | 93.0% | 228.0 x 68.0 x 38.8 |
| HLG-185H-24A | 185 Watts | 24V DC 7.80A | +/- 10% | +/- 1.0% | 150mVp-p | 93.5% | 228.0 x 68.0 x 38.8 |
| HLG-185H-30A | 185 Watts | 30V DC 6.20A | +/- 10% | +/- 1.0% | 200mVp-p | 93.5% | 228.0 x 68.0 x 38.8 |
| HLG-185H-36A | 185 Watts | 36V DC 5.20A | +/- 10% | +/- 1.0% | 200mVp-p | 93.5% | 228.0 x 68.0 x 38.8 |
| HLG-185H-42A | 185 Watts | 42V DC 4.40A | +/- 10% | +/- 1.0% | 200mVp-p | 94.0% | 228.0 x 68.0 x 38.8 |
| HLG-185H-48A | 185 Watts | 48V DC 3.90A | +/- 10% | +/- 1.0% | 200mVp-p | 94.0% | 228.0 x 68.0 x 38.8 |
| HLG-185H-54A | 185 Watts | 54V DC 3.45A | +/- 10% | +/- 1.0% | 200mVp-p | 94.0% | 228.0 x 68.0 x 38.8 |
| HLG-240H-12A | 240 Watts | 12V DC 16.00A | +/- 10% | +/- 2.5% | 150mVp-p | 90.0% | 244.0 x 68.0 x 38.8 |
| HLG-240H-15A | 240 Watts | 15V DC 15.00A | +/- 10% | +/- 2.0% | 150mVp-p | 90.0% | 244.0 x 68.0 x 38.8 |
| HLG-240H-20A | 240 Watts | 20V DC 12.00A | +/- 10% | +/- 1.0% | 150mVp-p | 91.5% | 244.0 x 68.0 x 38.8 |
| HLG-240H-24A | 240 Watts | 24V DC 10.00A | +/- 10% | +/- 1.0% | 150mVp-p | 92.5% | 244.0 x 68.0 x 38.8 |
| HLG-240H-30A | 240 Watts | 30V DC 8.00A | +/- 10% | +/- 1.0% | 200mVp-p | 92.5% | 244.0 x 68.0 x 38.8 |
| HLG-240H-36A | 240 Watts | 36V DC 6.70A | +/- 10% | +/- 1.0% | 250mVp-p | 92.5% | 244.0 x 68.0 x 38.8 |
| HLG-240H-42A | 240 Watts | 42V DC 5.72A | +/- 10% | +/- 1.0% | 250mVp-p | 92.5% | 244.0 x 68.0 x 38.8 |
| HLG-240H-48A | 240 Watts | 48V DC 5.00A | +/- 10% | +/- 1.0% | 250mVp-p | 93.0% | 244.0 x 68.0 x 38.8 |
| HLG-240H-54A | 240 Watts | 54V DC 4.45A | +/- 10% | +/- 1.0% | 250mVp-p | 93.5% | 244.0 x 68.0 x 38.8 |