



# CONSTANT CURRENT AND CONSTANT VOLTAGE LED POWER SUPPLIES FOR HARSH ENVIRONMENTS WITH PFC FROM 320 WATTS TO 600 WATTS

Universal AC input up to 305V AC full range.  
Built-in PFC function and efficiency up to 96%.  
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.**

**D2 Type - IP67 rated with timer dimming and programmable function .**

Full 5 year warranty.



HLG-320H-24A

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, UL 60950-1 (HLG-600H), EN 61347-1, EN 61347-2-13, EN 62384 (HLG-600H), PSE J61347-1, and PSE J61347-2-13 (except for HLG-320-12/15/20/24/30/36/42/48/54-C). Full data sheets are available upon request. The C Type option is only available for HLG-320H models with the D2 type only available for HLG-480H models.

Reference	Wattage	Output Voltage and Current	Output Adjuster	Output V Tolerance	Ripple & Noise	Efficiency	Dimensions L x W x H (mm)
HLG-320H-12A	320 Watts	12V DC 22.00A	-15.0% to +13.3%	+/- 3.0%	150mVp-p	91.0%	252.0 x 90.0 x 43.8
HLG-320H-15A	320 Watts	15V DC 19.00A	-15.0% to +13.3%	+/- 2.0%	150mVp-p	92.5%	252.0 x 90.0 x 43.8
HLG-320H-20A	320 Watts	20V DC 15.00A	-15.0% to +13.3%	+/- 1.5%	150mVp-p	93.5%	252.0 x 90.0 x 43.8
HLG-320H-24A	320 Watts	24V DC 13.34A	-15.0% to +13.3%	+/- 1.0%	150mVp-p	94.0%	252.0 x 90.0 x 43.8
HLG-320H-30A	320 Watts	30V DC 10.70A	-15.0% to +13.3%	+/- 1.0%	200mVp-p	94.0%	252.0 x 90.0 x 43.8
HLG-320H-36A	320 Watts	36V DC 8.90A	-15.0% to +13.3%	+/- 1.0%	250mVp-p	94.5%	252.0 x 90.0 x 43.8
HLG-320H-42A	320 Watts	42V DC 7.65A	-15.0% to +13.3%	+/- 1.0%	250mVp-p	95.0%	252.0 x 90.0 x 43.8
HLG-320H-48A	320 Watts	48V DC 6.70A	-15.0% to +13.3%	+/- 1.0%	250mVp-p	95.0%	252.0 x 90.0 x 43.8
HLG-320H-54A	320 Watts	54V DC 5.95A	-15.0% to +13.3%	+/- 1.0%	350mVp-p	95.0%	252.0 x 90.0 x 43.8
HLG-480H-24A	480 Watts	24V DC 20.00A	-15.0% to +5.0%	+/- 1.0%	200mVp-p	94.0%	262.0 x 125.0 x 43.8
HLG-480H-30A	480 Watts	30V DC 16.00A	-15.0% to +5.0%	+/- 1.0%	200mVp-p	94.5%	262.0 x 125.0 x 43.8
HLG-480H-36A	480 Watts	36V DC 13.30A	-15.0% to +5.0%	+/- 1.0%	250mVp-p	95.0%	262.0 x 125.0 x 43.8
HLG-480H-42A	480 Watts	42V DC 11.40A	-15.0% to +5.0%	+/- 1.0%	250mVp-p	95.0%	262.0 x 125.0 x 43.8
HLG-480H-48A	480 Watts	48V DC 10.00A	-15.0% to +5.0%	+/- 1.0%	250mVp-p	94.5%	262.0 x 125.0 x 43.8
HLG-480H-54A	480 Watts	54V DC 8.90A	-15.0% to +5.0%	+/- 1.0%	350mVp-p	95.0%	262.0 x 125.0 x 43.8
HLG-600H-12A	600 Watts	12V DC 40.00A	-15.0% to +5.0%	+/- 3.0%	150mVp-p	92.0%	280.0 x 144.0 x 48.5
HLG-600H-15A	600 Watts	15V DC 36.00A	-15.0% to +5.0%	+/- 2.0%	150mVp-p	93.5%	280.0 x 144.0 x 48.5
HLG-600H-20A	600 Watts	20V DC 28.00A	-15.0% to +5.0%	+/- 1.5%	150mVp-p	94.5%	280.0 x 144.0 x 48.5
HLG-600H-24A	600 Watts	24V DC 25.00A	-15.0% to +5.0%	+/- 1.0%	150mVp-p	95.0%	280.0 x 144.0 x 48.5
HLG-600H-30A	600 Watts	30V DC 20.00A	-15.0% to +5.0%	+/- 1.0%	200mVp-p	95.0%	280.0 x 144.0 x 48.5
HLG-600H-36A	600 Watts	36V DC 16.70A	-15.0% to +5.0%	+/- 1.0%	250mVp-p	95.5%	280.0 x 144.0 x 48.5
HLG-600H-42A	600 Watts	42V DC 14.30A	-15.0% to +5.0%	+/- 1.0%	250mVp-p	96.0%	280.0 x 144.0 x 48.5
HLG-600H-48A	600 Watts	48V DC 12.50A	-15.0% to +5.0%	+/- 1.0%	250mVp-p	96.0%	280.0 x 144.0 x 48.5
HLG-600H-54A	600 Watts	54V DC 11.20A	-15.0% to +5.0%	+/- 1.0%	350mVp-p	96.0%	280.0 x 144.0 x 48.5