

# LED Series

150~320W High Efficiency with PFC



## Features

- Universal AC input / Full range (up to 305VAC)
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Built-in active PFC, PF>0.9 for 65% of load or higher
- IP67 / IP65 design for indoor or outdoor installations (except for C type)
- Output current adjustable through output cable or internal potential meter
- Cooling by free air convection
- Suitable for LED lighting and street lighting applications
- Multiple models for choice:
  - A-Type: IP65 rated. Output and constant current level can be adjusted through internal potential meter
  - B-Type: IP67 rated and equipped with 1~10VDC, PWM signal or resistance (3 in 1 dimming function, 240W only have resistance dimming function)
  - C-Type: Terminal block for I/O connection (HLG-240□/320H)
- Blank-Type: IP67 rated, cable for I/O connection
- 5 years warranty

## General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	HLG-150□ <b>NEW</b>	HLG-185□ <b>NEW</b>	HLG-240□	HLG-320H <b>Under Development</b>
AC input voltage range	□ = Blank or H type ; Blank: 90~264VAC, 127~370VDC ; H type: 90~305VAC, 127~431VDC			
AC inrush current (max.)	Cold start, 75A at 230VAC			
DC adjustment range	±10% rated output voltage		±6% rated output voltage	
Current adjustment range	50%~100% rated output current adjustable by internal potential meter or through output cable (62%~100% for HLG-150□)			
Overload protection	95%~108% constant current limiting, auto-recovery			
Over voltage protection	110%~140% rated output voltage			
Setup, rise, hold up time	2500ms,80ms,16ms at full load and 230VAC		2500ms,80ms,15ms at full load and 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 1.88kVAC, O/P-FG: 0.5kVAC			
Working temperature	-40~+70°C (refer to output derating curve)			
Safety standards	UL8750, TUV EN61347-1, EN61347-2-13 approved for HLG-150□ / 185□ (HLG-320H pending); UL8750, UL1012, UL60950-1, TUV EN60950-1, EN61347-1, EN61347-2-13 approved for HLG-240□			
EMC standards	EN55015, EN55022 class B, EN61000-3-2 class C, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61547			
Connection	Input	UL rated, 18AWGx3C (30cm); Terminal block for C type (HLG-240□ / 320H only)		
	Output	A & Blank type: 14AWGx2C (30cm) ; B type: 14AWGx2C (30cm)+18AWGx2C (30cm); C type: Terminal block (HLG-240/320□)		
Dimension (LxWxH)(mm)	A / B / Blank-Type: 228x 68x 38.8		A / B / Blank-Type: 244.2x 68x 38.8 C-Type: 251x 68x 38.8	A / B / Blank-Type: 252x 90x 42 C-Type: 256x 90x 42

## 150W **NEW** HLG-150

Model No.	Output	Tol.	R&N	Effi.
HLG-150□-12(A)	12V, 0~12.5A	±2.5%	150mV	92.0%
HLG-150□-15(A)	15V, 0~10.0A	±2.0%	150mV	92.5%
HLG-150□-20(A)	20V, 0~7.50A	±1.0%	150mV	93.0%
HLG-150□-24(A)	24V, 0~6.30A	±1.0%	150mV	93.5%
HLG-150□-30(A)	30V, 0~5.00A	±1.0%	200mV	93.5%
HLG-150□-36(A)	36V, 0~4.20A	±1.0%	200mV	93.5%
HLG-150□-42(A)	42V, 0~3.60A	±1.0%	200mV	94.0%
HLG-150□-48(A)	48V, 0~3.20A	±1.0%	200mV	94.0%
HLG-150□-54(A)	54V, 0~2.80A	±1.0%	200mV	94.0%

□ = Blank or H type ; ○ = A, B or Blank

## 240W HLG-240

Model No.	Output	Tol.	R&N	Effi.
HLG-240□-12(A)	12V, 0~16.0A	±2.5%	150mV	90.0%
HLG-240□-15(A)	15V, 0~15.0A	±2.0%	150mV	90.0%
HLG-240□-20(A)	20V, 0~12.0A	±1.0%	150mV	92.0%
HLG-240□-24(A)	24V, 0~10.0A	±1.0%	150mV	93.0%
HLG-240□-30(A)	30V, 0~8.00A	±1.0%	200mV	93.0%
HLG-240□-36(A)	36V, 0~6.70A	±1.0%	250mV	93.5%
HLG-240□-42(A)	42V, 0~5.72A	±1.0%	250mV	94.0%
HLG-240□-48(A)	48V, 0~5.00A	±1.0%	250mV	94.0%
HLG-240□-54(A)	54V, 0~4.45A	±1.0%	350mV	94.0%

□ = Blank or H type ; ○ = A, B, C or Blank

## 185W **NEW** HLG-185

Model No.	Output	Tol.	R&N	Effi.
HLG-185□-12(A)	12V, 0~13.0A	±2.5%	150mV	92.0%
HLG-185□-15(A)	15V, 0~11.5A	±2.0%	150mV	93.0%
HLG-185□-20(A)	20V, 0~9.30A	±1.0%	150mV	93.5%
HLG-185□-24(A)	24V, 0~7.80A	±1.0%	150mV	94.0%
HLG-185□-30(A)	30V, 0~6.20A	±1.0%	200mV	94.0%
HLG-185□-36(A)	36V, 0~5.20A	±1.0%	200mV	94.0%
HLG-185□-42(A)	42V, 0~4.40A	±1.0%	200mV	94.0%
HLG-185□-48(A)	48V, 0~3.90A	±1.0%	200mV	94.0%
HLG-185□-54(A)	54V, 0~3.45A	±1.0%	200mV	94.0%

□ = Blank or H type ; ○ = A, B or Blank

## 320W **Under Development** HLG-320

Model No.	Output	Tol.	R&N	Effi.
HLG-320H -12(A)	12V, 0~22.0A	±2.5%	150mV	92.0%
HLG-320H -15(A)	15V, 0~19.0A	±2.0%	150mV	92.0%
HLG-320H -20(A)	20V, 0~15.0A	±1.0%	150mV	93.0%
HLG-320H -24(A)	24V, 0~13.3A	±1.0%	150mV	94.0%
HLG-320H -30(A)	30V, 0~10.7A	±1.0%	200mV	94.0%
HLG-320H -36(A)	36V, 0~8.90A	±1.0%	250mV	94.0%
HLG-320H -42(A)	42V, 0~7.60A	±1.0%	250mV	94.5%
HLG-320H -48(A)	48V, 0~6.70A	±1.0%	250mV	95.0%
HLG-320H -54(A)	54V, 0~5.95A	±1.0%	350mV	95.0%

○ = A, B, C or Blank