



### 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 50% of load or higher
- IP67 / IP65 design for indoor or outdoor installations
- 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)
  - Blank-Type: IP67 rated, cable for I/O connection
- 5 years warranty

### General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)



Model No.	HLG-80H <span style="color: green;">NEW</span>	HLG-100 <span style="color: green;">NEW</span>	HLG-120 <span style="color: green;">NEW</span>
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, 70A at 230VAC	Cold start, 75A at 230VAC	
DC adjustment range	±10% rated output voltage		
Current adjustment range	50%~100% rated output current adjustable by internal potential meter or through output cable (62%~100% for HLG-100 □)		
Overload protection	95%~108% constant current limiting, auto-recovery	95%~102%	95%~108%
Over voltage protection	110%~140% rated output voltage		
Setup, rise, hold up time	1000ms, 80ms, 16ms at full load and 230VAC	2500ms, 50ms, 16ms 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 (80W pending); Design refer to UL60950-1, EN60950-1		
EMC standards	EN55015, EN55022 class B(except for HLG-80H), EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61547		
Connection	Input	UL rated, 18AWGx3C (30cm)	
	Output	A & Blank type: 14AWGx2C (30cm) ; B type: 14AWGx2C (30cm)+18AWGx2C (30cm)	
Dimension (LxWxH)(mm)	195.6x 61.5x 38.8	220x 68x 38.8	

### 80W NEW HLG-80

Model No.	Output	Tol.	R&N	Effi.
HLG-80H-12(A)	12V, 0~5.0A	±2.5%	150mV	88.0%
HLG-80H-15(A)	15V, 0~5.0A	±2.0%	150mV	89.0%
HLG-80H-20(A)	20V, 0~4.0A	±1.0%	150mV	90.5%
HLG-80H-24(A)	24V, 0~3.4A	±1.0%	150mV	91.0%
HLG-80H-30(A)	30V, 0~2.7A	±1.0%	200mV	91.0%
HLG-80H-36(A)	36V, 0~2.3A	±1.0%	200mV	91.0%
HLG-80H-42(A)	42V, 0~1.95A	±1.0%	200mV	91.0%
HLG-80H-48(A)	48V, 0~1.7A	±1.0%	200mV	91.0%
HLG-80H-54(A)	54V, 0~1.5A	±1.0%	200mV	91.0%

○ = A, B or Blank

### 120W NEW HLG-120

Model No.	Output	Tol.	R&N	Effi.
HLG-120 □-12(A)	12V, 0~10A	±2.5%	150mV	92.0%
HLG-120 □-15(A)	15V, 0~8.0A	±2.0%	150mV	92.0%
HLG-120 □-20(A)	20V, 0~6.0A	±1.0%	150mV	93.5%
HLG-120 □-24(A)	24V, 0~5.0A	±1.0%	150mV	94.0%
HLG-120 □-30(A)	30V, 0~4.0A	±1.0%	200mV	94.0%
HLG-120 □-36(A)	36V, 0~3.4A	±1.0%	200mV	94.0%
HLG-120 □-42(A)	42V, 0~2.9A	±1.0%	200mV	94.0%
HLG-120 □-48(A)	48V, 0~2.5A	±1.0%	200mV	94.0%
HLG-120 □-54(A)	54V, 0~2.3A	±1.0%	200mV	94.0%

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

### 96W NEW HLG-100

Model No.	Output	Tol.	R&N	Effi.
HLG-100 □-20(A)	20V, 0~4.8A	±1.0%	150mV	93.5%
HLG-100 □-24(A)	24V, 0~4.0A	±1.0%	150mV	93.5%
HLG-100 □-30(A)	30V, 0~3.2A	±1.0%	200mV	93.5%
HLG-100 □-36(A)	36V, 0~2.65A	±1.0%	200mV	93.5%
HLG-100 □-42(A)	42V, 0~2.28A	±1.0%	200mV	93.5%
HLG-100 □-48(A)	48V, 0~2.0A	±1.0%	200mV	93.5%
HLG-100 □-54(A)	54V, 0~1.77A	±1.0%	200mV	93.5%

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

### ► Junction Box for HLG Series



Optional junction box available for HLG family.  
Please contact MEAN WELL for details.