

HLG-C series

70~200W Constant Current with PFC

Features

- Constant current output with high output voltage >60VDC
- Universal AC input (up to 305VAC) / Full range
- Built-in active PFC function
- High efficiency up to 94%
- Protections: Short circuit / Over voltage / Over temperature
- Cooling by free air convection
- Output current adjustable through output cable or internal potentiometer
- IP67 / IP65 design for indoor or outdoor installations
- Suitable for dry, damp, and wet location
- Suitable for LED lighting and street lighting applications
- Multiple models for choice:
 - A-Type:** IP65 rated. Constant current level can be adjusted through internal potentiometer
 - B-Type:** IP67 rated and built-in 3 in 1 dimming function (1~10VDC, PWM signal, or resistance)
 - D-Type (option):** IP67 rated. Timer dimming function, contact MEAN WELL for details
- 5 years warranty



AC input voltage range	90~305VAC; 127VDC~431VDC		
AC inrush current (Typ.)	Cold start, 60A at 230VAC	Cold start, 50A at 230VAC	Cold start, 55A at 230VAC
Current adjustment range	60%~100%		50%~100%
Short circuit protection	Hiccup mode, auto-recovery		Constant current limiting, auto-recovery
Over temp. protection	85°C±10°C(RTH2), shut down o/p voltage, re-power on to recover		95°C±10°C (RTH2)
Withstand voltage	I/P-O/P:3.75kVAC, I/P-FG:2kVAC, O/P-FG:0.5kVAC		
Working temperature	-40~+70°C		-25~+70°C (refer to output derating curve)
Safety standards	HLG-60H-C/80H-C: UL8750, TUV EN61347-1, EN61347-2-13 approved HLG-120H-C/185H-C: UL8750, ENEC EN61347-1, EN61347-2-13, EN62384 approved		
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547		
Connection	Input	UL rated, SJTW 16AWGx3C(30cm)	
	Output	A&D-Type: SJTW 16AWGx2C(30cm) B-Type: SJTW 16AWGx2C(30cm)+ SJTW 16AWGx2C(30cm)	A&D-Type: STW 16AWGx2C(30cm) for HLG-120H-C350 and HLG-185H-C500; SJTW 16AWGx2C(30cm) for others B-Type: STW 16AWGx2C(30cm) + SJTW 16AWGx2C(30cm) for HLG-120H-C350 and HLG-185H-C500; SJTW 16AWGx2C(30cm) + SJTW 16AWGx2C(30cm) for others
Dimension (LxWxH)(mm)	171x 61.5x 36.8	195.6x 61.5x 38.8	220x 68x 38.8

HLG-60H-C Series



Model No.	Output	Io Tol.	R&N	Effi.
HLG-60H-C350(A)	100~200V, 350mA	±5%	1V	91%
HLG-60H-C700(A)	50~100V, 700mA	±5%	0.5V	90.5%

○ = A, B or D

HLG-80H-C Series



Model No.	Output	Io Tol.	R&N	Effi.
HLG-80H-C350(A)	167~257V, 350mA	±5%	1V	91.5%
HLG-80H-C700(A)	84~129V, 700mA	±5%	0.5V	91.5%

○ = A, B or D

HLG-120H-C Series



Model No.	Output	Io Tol.	R&N	Effi.
HLG-120H-C350(A)	215~430V, 350mA	±5%	2V	94%
HLG-120H-C500(A)	150~300V, 500mA	±5%	1.5V	94%
HLG-120H-C700(A)	107~215V, 700mA	±5%	1V	94%
HLG-120H-C1050(A)	74~148V, 1050mA	±5%	1V	94%
HLG-120H-C1400(A)	54~108V, 1400mA	±5%	1V	93.5%

○ = A, B or D

HLG-185H-C Series



Model No.	Output	Io Tol.	R&N	Effi.
HLG-185H-C500(A)	200~400V, 500mA	±5%	2V	94%
HLG-185H-C700(A)	143~286V, 700mA	±5%	1.5V	94%
HLG-185H-C1050(A)	95~190V, 1050mA	±5%	1V	94%
HLG-185H-C1400(A)	71~143V, 1400mA	±5%	1V	94%

○ = A, B or D