



Features

- Universal AC input (up to 295VAC) / Full range
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Built-in active PFC function, PF>0.9 for 75% 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 (CLG-150)
- UL1310 class 2 power unit (CLG-60&100)
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications
- Multiple models for CLG-150
 - A-Type: IP65 rated. Output and constant current level can be adjusted through internal potential meter
 - B-Type: IP67 rated and constant current level adjustable through output cable by connecting a resistor
 - C-Type: Non IP. Terminal block for I/O connection
 - Blank-Type: IP67 rated, cable for I/O connection
- 3 years warranty

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

Model No.	CLG-60	CLG-100	CLG-150
AC input voltage range	90~295VAC; 127~417VDC		
AC inrush current (max.)	Cold start, 40A at 230VAC		Cold start, 65A at 230VAC
DC adjustment range	Fixed. Can be modified between 90%~110% (CLG-60) or 85%~100% (CLG-100) rated output voltage		A and C type can be adjusted by internal potential meter
Current adjustment range	Fixed. Can be modified between 75%~103% rated output current		Can be adjusted by internal potential meter (A and C type) or through output cable (B type)
Overload protection	95%~110% constant current, auto-recovery	95%~102% constant current, auto-recovery	95%~108% constant current limiting, auto-recovery
Over voltage protection	110%~140%	107%~135%	110%~142% rated output voltage
Setup, rise, hold up time	3000ms(setup time), no hold up time	1200ms, 80ms, 60ms at full load and 230VAC	3000ms, 80ms, 50ms 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	-30~+70°C (refer to output derating curve)		
Safety standards	UL1310 Class 2, EN61347-1, EN61347-2-13; J61347-1, J61347-2-13 (option, CLG-60-20/24/27 only); CAN/CSA-C22.2 No.223-M91 (except for 48V), UL879 (SAM list), UL8750 approved; TUV EN60950-1 (CLG-100 only)		UL60950-1, UL1012, TUV EN60950-1, EN61347-1, EN61347-2-13; J61347-1, J61347-2-13(option, except for 20&24V) approved
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)	
	Output	UL rated, 18AWGx2C (30cm)	
Dimension (LxWxH)(mm)	195.6x 61.5x 38.8	222.2x 68x 38.8	A/B/Blank-Type: 222.2x 68x 38.8; C-Type: 229x 68x 38.8

60W (Class 2) CLG-60

Model No.	Output	Tol.	R&N	Effi.
CLG-60-12	12V, 0~5.0A	±10%	2.0V	85.0%
CLG-60-15	15V, 0~4.0A	±10%	2.4V	86.0%
CLG-60-20	20V, 0~3.0A	±10%	1.8V	87.5%
CLG-60-24	24V, 0~2.5A	±10%	2.7V	87.0%
CLG-60-27	27V, 0~2.3A	±10%	2.7V	88.0%
CLG-60-36	36V, 0~1.7A	±10%	3.6V	89.0%
CLG-60-48	48V, 0~1.3A	±10%	4.6V	89.0%

96W (Class 2) CLG-100

Model No.	Output	Tol.	R&N	Effi.
★ CLG-100-12	12V, 0~5.00A	±3%	150mV	84.5%
CLG-100-15	15V, 0~5.00A	±3%	150mV	86.5%
CLG-100-20	20V, 0~4.80A	±3%	150mV	90.0%

Model No.	Output	Tol.	R&N	Effi.
★ CLG-100-24	24V, 0~4.00A	±3%	150mV	90.0%
CLG-100-27	27V, 0~3.55A	±3%	150mV	90.0%
CLG-100-36	36V, 0~2.65A	±2%	150mV	90.0%
★ CLG-100-48	48V, 0~2.00A	±2%	200mV	89.0%

150W CLG-150

Model No.	Output	Tol.	R&N	Effi.
★ CLG-150-12A	12V, 0~11.0A	±2%	150mV	88.0%
CLG-150-15A	15V, 0~9.50A	±2%	150mV	88.0%
CLG-150-20A	20V, 0~7.50A	±2%	150mV	90.0%
★ CLG-150-24A	24V, 0~6.30A	±1%	150mV	90.0%
CLG-150-30A	30V, 0~5.00A	±1%	150mV	91.0%
★ CLG-150-36A	36V, 0~4.20A	±1%	150mV	91.0%
★ CLG-150-48A	48V, 0~3.20A	±1%	200mV	92.0%

□ = A, B, C or blank

★ CLG-100-12/24/48 & CLG-150-12A/24A/36A/48A are our popular models. We will keep sufficient stock for prompt delivery of high quantity orders.

Connector Size	Pin Configuration (Female)			Connector Size	Pin Configuration (Female)
M12				M15	
	2-pin	4-pin	5-pin		2-pin
	5A/PIN	5A/PIN	5A/PIN		12A / PIN
Order No.	M12-02	M12-04	M12-05	Order No.	M15-02
Suitable Current	5A max.	10A max.	10A max.	Suitable Current	12A max.

► The output cable can be modified to include different waterproof connectors by MEAN WELL. Minimum order quantity may vary for different models.