CLG Series

60~240W Single Output with PFC



Features

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in active PFC function, PF>0.9 for 75% of load or higher
- IP67 / IP65 design for indoor or outdoor installations (exclude C type)
- OCP point adjustable through output cable or internal potential meter (CLG-150 / 240)
- UL1310 class2 power unit (CLG-60&100)
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications
- Optional model for CLG-150 / 240:
  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 (optional)
  C-Type: Terminal block for I/O connection (optional)
  Blank-Type: IP67 rated, cable for I/O connection (optional)
- 3 years warranty

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

Model No.		CLG-60	CLG-100	CLG-150 NEW	CLG-240 NEW
AC input voltage range		90~264VAC; 127~370VDC		90~280VAC; 127~396VDC	
AC inrush current (max.)		Cold start, 40A at 230VAC		Cold start, 65A at 230VAC	
DC adjustment range		Fixed. Can be modified between ±10% (CLG-60) or 0~-15% (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%~130% 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%~140% rated output voltage	
Setup, rise, and hold up time		1500ms, 150ms, no hold up time	1200ms, 80ms, 60ms at full load and 230VAC	3000ms, 80ms, 20ms at full load and 230VAC	
Withstand voltage		I/P-O/P: 4.25kVDC	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, CAN/CSA-C22.2 No.223-M91 (except for 48V) approved, TUV EN60950-1 & UL879 (SAM list) also for CLG-100		UL60950-1, UL1012, TUV EN60950-1, EN61347-1, EN61347-2-13 approved (CLG-240 pending)	
EMC standards		EN55015, EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61547			
Connection	Input	UL rated, 18AWGx3C (30cm)		UL rated, 18AWGx3C (30cm); Terminal block for C type option	
	Output	UL rated, 18AWGx2C (30cm)		A & Blank type: 14AWGx2C (30cm) B type: 14AWGx2C (30cm)+18AWGx2C (30cm) C type: Terminal block	
Dimension (L*W*H)(mm)		172x 61.5x 39	222x 68x 39	222x 68x 39	244x 68x 39
Case No.		957A	954A	954A	-----
Packing		16pcs / 14.8kg	12pcs / 13kg	12pcs / 13kg	-----

60W (Class 2) — CLG-60

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11461	CLG-60-12	12V, 0~5.0A	±10%	2.0V	83.0%
11462	CLG-60-15	15V, 0~4.0A	±10%	2.4V	84.5%
11463	CLG-60-20	20V, 0~3.0A	±10%	1.8V	86.5%
11464	CLG-60-24	24V, 0~2.5A	±10%	2.7V	86.5%
11465	CLG-60-27	27V, 0~2.3A	±10%	2.7V	87.0%
11466	CLG-60-36	36V, 0~1.7A	±10%	3.6V	87.0%
11467	CLG-60-48	48V, 0~1.3A	±10%	4.6V	88.0%

96W (Class 2) — CLG-100

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11471	CLG-100-12	12V, 0~5.00A	±3%	150mV	83%
11472	CLG-100-15	15V, 0~5.00A	±3%	150mV	85%
11473	CLG-100-20	20V, 0~4.80A	±3%	150mV	87%
11474	CLG-100-24	24V, 0~4.00A	±3%	150mV	87%
11475	CLG-100-27	27V, 0~3.55A	±3%	150mV	87%
11476	CLG-100-36	36V, 0~2.65A	±2%	150mV	87%
11477	CLG-100-48	48V, 0~2.00A	±2%	200mV	87%

150W — NEW CLG-150

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11621	CLG-150-12A	12V, 0~11.0A	±2%	150mV	88%
11622	CLG-150-15A	15V, 0~9.50A	±2%	150mV	88%
11623	CLG-150-20A	20V, 0~7.50A	±2%	150mV	90%
11624	CLG-150-24A	24V, 0~6.30A	±1%	150mV	90%
11625	CLG-150-30A	30V, 0~5.00A	±1%	150mV	90%
11626	CLG-150-36A	36V, 0~4.20A	±1%	150mV	89%
11627	CLG-150-48A	48V, 0~3.20A	±1%	200mV	90%

☐ = A (standard model) , B, C or blank (optional models)

240W — NEW CLG-240

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11651	CLG-240-12A	12V, 0~18.0A	±2%	150mV	90%
11652	CLG-240-15A	15V, 0~15.0A	±2%	150mV	90%
11653	CLG-240-20A	20V, 0~12.0A	±1%	150mV	92%
11654	CLG-240-24A	24V, 0~10.0A	±1%	150mV	92%
11655	CLG-240-30A	30V, 0~8.00A	±1%	150mV	92%
11656	CLG-240-36A	36V, 0~6.70A	±1%	150mV	93%
11657	CLG-240-48A	48V, 0~5.00A	±1%	200mV	93%

☐ = A (standard model) , B, C or blank (optional models)