

CL/PL Series

60~96W Single Output Class 2 Power Unit



Features

- Universal AC input / Full range
- PF>0.98@115VAC; >0.95@230VAC (CLG/PLN-60: >0.9@230VAC)
- Protections: Short circuit / Overload / Over voltage / Over temp.
- User adjustable output voltage and current (PLN Series)
- **IP64** design for indoor installations and **IP67** design for outdoor installations
- **UL1310 Class 2** power unit / LPS certified
- Cooling by free air convection
- 100% full load burn-in test
- **Suitable for LED lighting and moving sign applications**
- 2 years warranty for PLN series; 3 years warranty for CLG series

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



MODEL No.	CLG-60	PLN-60	CLG-100	PLN-100
AC input voltage range	90~264VAC; 120~370VDC			
AC inrush current(max.)	Cold start, 20A at 230VAC		Cold start, 40A at 230VAC	
DC adjustment range	Fixed. Can be modified between $\pm 10\%$ rated output voltage	$\pm 10\%$ rated output voltage	Fixed. Can be modified between 0 ~ -15% rated output voltage	0 ~ -15% rated output voltage
Current adjustment range	Fixed. Can be modified between +3% ~ -25% rated current	+3% ~ -25% rated output current	Fixed. Can be modified between +3% ~ -25% rated current	+3% ~ -25% rated output current
Overload protection	<130% constant current, auto-recovery		95~100% constant current, auto-recovery	
Over voltage protection	115%~140% rated output voltage		110%~135% rated output voltage	
Setup, rise, hold up time	1500ms, 100ms at full load and 230VAC (no hold up time)		1000ms, 80ms, 60ms at full load and 230VAC	
Withstand voltage	I/P-O/P:4.25KVDC			
Working temperature	-30~+45°C@100%, 70°C@60%	-30~+40°C@100%, 60°C@60%	-30~+50°C@100%, 70°C@60%	-30~+40°C@100%, 50°C@60%
Safety standards	Design refer to UL1310 Class 2, TUV EN60950-1, CAN/CSA-C22.2 No.223-M9 (except for 48V)		UL1310 Class 2, TUV EN60950-1, CAN/CSA-C22.2 No.223-M9 (except for 48V) approved	
IP level	IP67	IP64	IP67	IP64
EMC standards	EN55022 class B, EN61000-3-2,-3, EN61000-4-2,3,4,5,6,8,11, ENV50204			
Connection	Input: UL rated, 18AWGx3C (30cm); Output: UL rated, 18AWGx2C (30cm)			
Dimension(L*W*H)(mm)	175x60.5x39	180x62.5x35	222x68x39	200x70.5x35
Packing	0.6kg	0.6kg	1.0kg; 12pcs / 13kg / 0.49CUFT	0.52kg; 20pcs / 11.4kg / 1.02CUFT

CLG-60 Series (60W)

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11461	CLG-60-12	12V, 0~5.0A	±5%	2.0V	84%
11462	CLG-60-15	15V, 0~4.0A	±5%	2.4V	85%
11463	CLG-60-20	20V, 0~3.0A	±5%	1.8V	86%
11464	CLG-60-24	24V, 0~2.5A	±5%	2.7V	86%
11465	CLG-60-27	27V, 0~2.3A	±5%	2.7V	86%
11466	CLG-60-36	36V, 0~1.7A	±5%	3.2V	87%
11467	CLG-60-48	48V, 0~1.3A	±5%	4.6V	87%

PLN-60 Series (60W)

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11481	PLN-60-12	12V, 0~5.0A	±5%	2.0V	84%
11482	PLN-60-15	15V, 0~4.0A	±5%	2.4V	85%
11483	PLN-60-20	20V, 0~3.0A	±5%	1.8V	86%
11484	PLN-60-24	24V, 0~2.5A	±5%	2.7V	86%
11485	PLN-60-27	27V, 0~2.3A	±5%	2.7V	86%
11486	PLN-60-36	36V, 0~1.7A	±5%	3.2V	87%
11487	PLN-60-48	48V, 0~1.3A	±5%	4.6V	87%

CLG-100 Series (60~96W)

Stock No.	Model No.	Output (max.)	Tol.	R&N	Effi.
11471	CLG-100-12	12V, 0~5.00A	±5%	150mV	83%
11472	CLG-100-15	15V, 0~5.00A	±5%	150mV	85%
11473	CLG-100-20	20V, 0~4.80A	±5%	150mV	87%
11474	CLG-100-24	24V, 0~4.00A	±5%	150mV	87%
11475	CLG-100-27	27V, 0~3.55A	±5%	150mV	87%
11476	CLG-100-36	36V, 0~2.65A	±5%	150mV	87%
11477	CLG-100-48	48V, 0~2.00A	±5%	150mV	87%

PLN-100 Series (60~96W)

Stock No.	Model No.	Output(max.)	Tol.	R&N	Effi.
11491	PLN-100-12	12V, 0~5.00A	±5%	150mV	83%
11492	PLN-100-15	15V, 0~5.00A	±5%	150mV	85%
11493	PLN-100-20	20V, 0~4.80A	±5%	150mV	87%
11494	PLN-100-24	24V, 0~4.00A	±5%	150mV	87%
11495	PLN-100-27	27V, 0~3.55A	±5%	150mV	87%
11496	PLN-100-36	36V, 0~2.65A	±5%	150mV	87%
11497	PLN-100-48	48V, 0~2.00A	±5%	150mV	87%

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