



## Power Supply Features

- Universal AC input (up to 295VAC) / Full range
- Protection: Short circuit / Overload / Over voltage / Over temp.
- **Built-in active PFC (Power Factor Correction)**
- IP67 / IP65 design for indoor or outdoor installations (except C type)
- High efficiency up to 91%
- -30°C ~ +70°C wide operating range
- Class 2 power unit / Passes LPS (CLG-60/100)
- Fan-less design, 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 potentiometer
  - 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 year warranty

## Specifications (refer to [www.procontech.com.au](http://www.procontech.com.au) for detailed specs)

Model	CLG-60	CLG-100	CLG-150□
AC input voltage range	90~295VAC; 127~417VDC		
AC inrush current (max.)	Cold start, 35A 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 at factory		A and C type can be adjusted by internal potentiometer
Current adjustment range	Fixed. Can be modified between 75~103 % rated output current at factory		Can be adjusted by internal potentiometer (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	500ms (setup time), no rise or 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°C ~ +70°C (refer to output derating curve)		
Safety standards	UL1310, UL8750, UL879, EN/AS/NZS61347-1,2-13, J61347-1, J61347-2-13, EAC TP TC 004 approved + others TUV EN60950-1 for CLG-100 only (see data sheet)		UL60950-1, UL1012, UL8750, UL879, TUV EN60950-1, EN61347-1,2-13, EAC TP TC 004, PSE J61347-1, J61347-2-13 (except CLG-150 C-Type) approved+others
EMC standards	EN55015, EN55032 class B, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61547, EAC TP TC 020		
Connection	Input	UL rated, SJTW 18AWGx3C – <b>supplied fitted with Australian mains plug with 1.8m lead</b> ; Terminal block for C type	
	Output	UL rated, SVT 18AWGx2C (30cm)	□ = A & Blank type: SJTW 14AWGx2C (30cm) □ = B type: SJTW 14AWGx2C+18AWGx2C (30cm ea.) □ = C type: Terminal block
Dimensions (LxWxD) mm	195.6x61.5x38.8	222.2x68x38.8	A/B/Blank-Type:222.2x68x38.8; C-Type: 229x68x38.8
Weight	0.86kg	1.0kg	1.0kg

### CLG-60 Series



Model No.	Output	Tol.	R&N	Eff.
★ 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%

Model No.	Output	Tol.	R&N	Eff.
★ CLG-100-24	24V, 0-4.00A	±3%	150mV	88.5%
CLG-100-27	27V, 0-3.55A	±3%	150mV	88.0%
CLG-100-36	36V, 0-2.65A	±2%	150mV	88.0%
CLG-100-48	48V, 0-2.00A	±2%	200mV	88.5%

### CLG-100 Series



Model No.	Output	Tol.	R&N	Eff.
CLG-100-12	12V, 0-5.00A	±3%	150mV	83.0%
CLG-100-15	15V, 0-5.00A	±3%	150mV	85.0%
CLG-100-20	20V, 0-4.80A	±3%	150mV	88.5%

### CLG-150 Series



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

□ = A, B, C or blank

★ CLG-60-12/24, CLG-100-24 and CLG-150-12/24 are held in stock in Australia. Also see the ELG/HLG range for other voltages and wattages!

### Features of the CLG Series Family

Built-in active PFC function and current limited output, the full range of CLG family features high IP level (IP65 or IP67), 5G anti-vibration, 4KV anti-surge capability and aluminium case. Along with a 3 year warranty and a fan-less design, the whole family can be cooled by free air convection from -30°C to +70°C ambient temperature, so that they can be installed in all kinds of harsh environments - both indoors and outdoors with high dust, high moisture, high vibration, high ambient temperatures or extremely low temperatures, or in any lighting equipment that requires low noise. In addition to the indoor/outdoor LED lighting applications, the family is also a good solution in harsh environments such as some industrial applications and electronic message boards or displays etc. Note the ELG/HLG ranges, in 40W to 600W output and many voltages, are recommended for new designs!