

- Universal AC Input
- IP65 / IP67 For Indoor or Outdoor Use
- Convection Cooled
- 100% Burn In & Tested
- Protected For Short Circuit / Over Load / Over Voltage / Over Temperature
- Full Approvals: UL/CE
- Suitable For Many Applications Including LED Lighting & Moving Sign Applications
- 3 Years Warranty



## Specification

Input Voltage.....	90~280 VAC, 47~63 Hz (127-396 VDC)
Inrush Current.....	65 A @ 230 VAC
Output Voltage.....	Single Outputs, See table below
Load Regulation.....	+/-1% (12,15 & 20 V) +/- 0.5% (24,30,36 & 48 V)
Line Regulation.....	+/-0.5%
Over Voltage Protection.....	110 ~ 140% output voltage, latch off, repower to recover
Short Circuit Protection.....	Hiccup mode, auto recovery after fault removed
Overload Protection.....	.95%~108%, Constant Current Limiting, Auto Recovery
Hold Up Time.....	50 ms @ 230 VAC
Ripple & Noise.....	150 mVp-p max, 200 mV p-p for 48 Volt model
Input to Output Isolation.....	I/P-O/P: 3.75 kVAC,
Operating Temperature .....	-30 to +55 °C, see derating curve
Storage Temperature.....	-40 to +80 °C
Safety Standards & EMC.....	UL60950-1, UL1012, TUV EN60950-1 EN61347-1 EN61347-2-13, EN55015, EN55022 Class B, EN61000-3-2,3 EN61000-4-2,,3,4,5,6,8,11, ENV50204, EN61547, EN55024,
Mechanical Size.....	222.2 x 68 x 38.8 mm (CLG-150-xx Blank/A/B) 229 x 68 x 38.8mm (CLG-150-xxC)

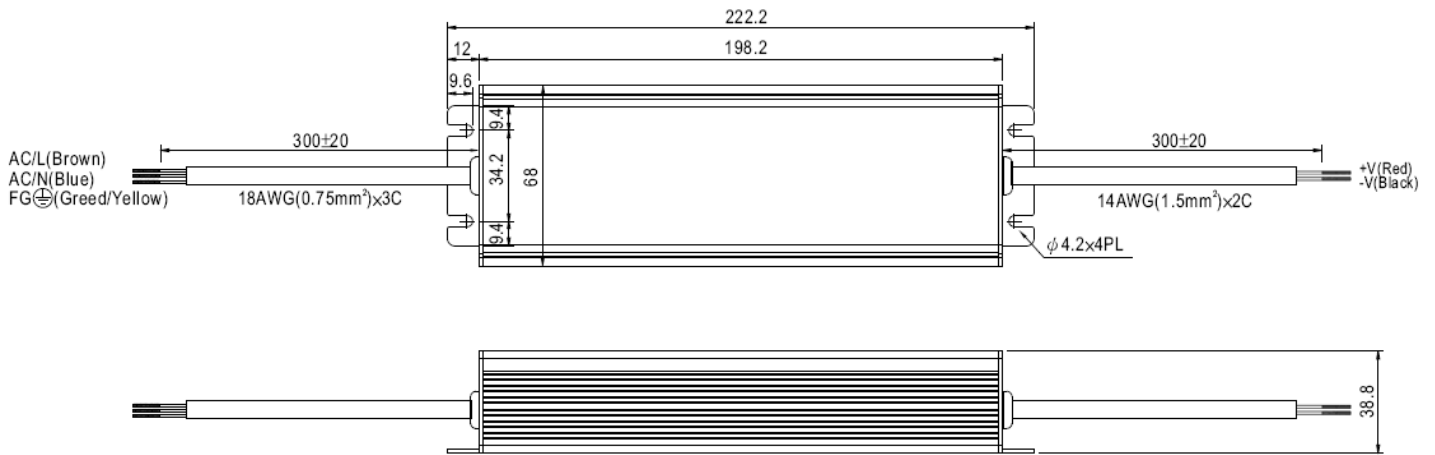
## Models and Ratings

Model	Output Voltage	Output Current	Efficiency
CLG-150-12x	12.0 V	11 A	88 %
CLG-150-15x	15.0 V	9.5 A	88 %
CLG-150-20x	20.0 V	7.5 A	90 %
CLG-150-24x	24.0 V	6.3 A	90 %
CLG-150-30x	30.0 V	5 A	90 %
CLG-150-36x	36.0 V	4.2 A	89 %
CLG-150-48x	48.0 V	3.2 A	90 %

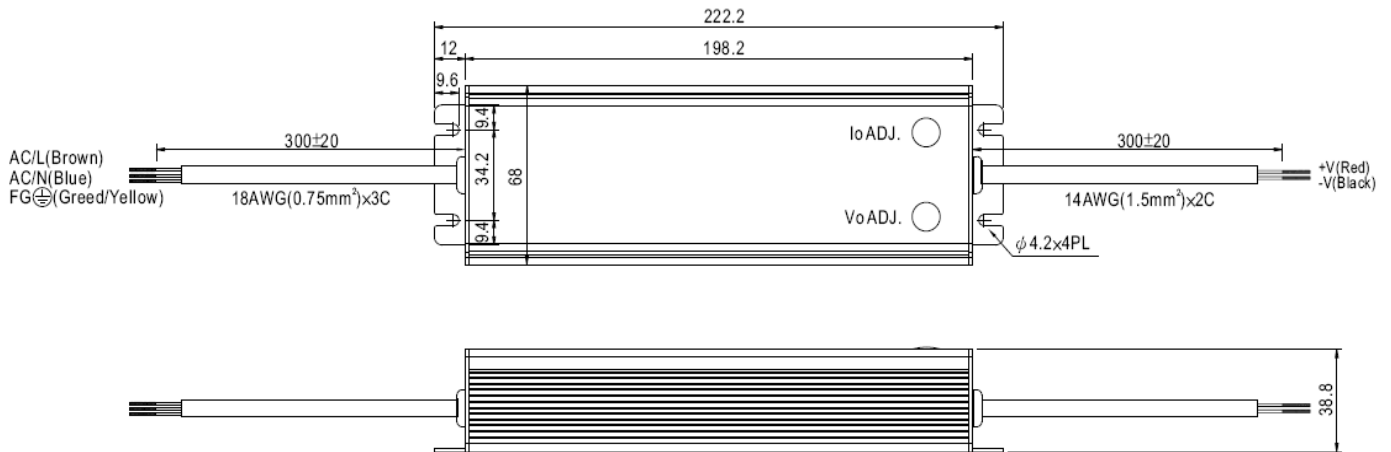
X = Optional Input & Output connections & current limit control A / B / C please see next page for mechanical drawings for the above options  
Alternatively this can be left blank for no output cables or screw terminals

## Mechanical Drawings.

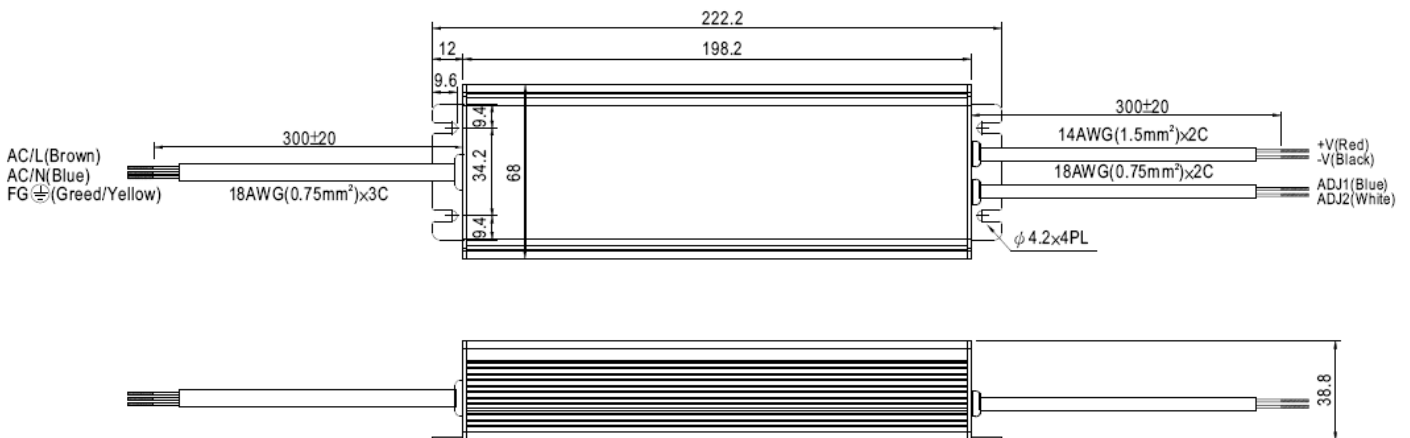
**CLG-150-xxBlank** shown below, IP67 Rated



**CLG-150-xxA**, shown below, IP65 Rated, Output voltage & constant current level can be adjusted through internal potentiometer which can be accessed by removing the rubber stopper on the case

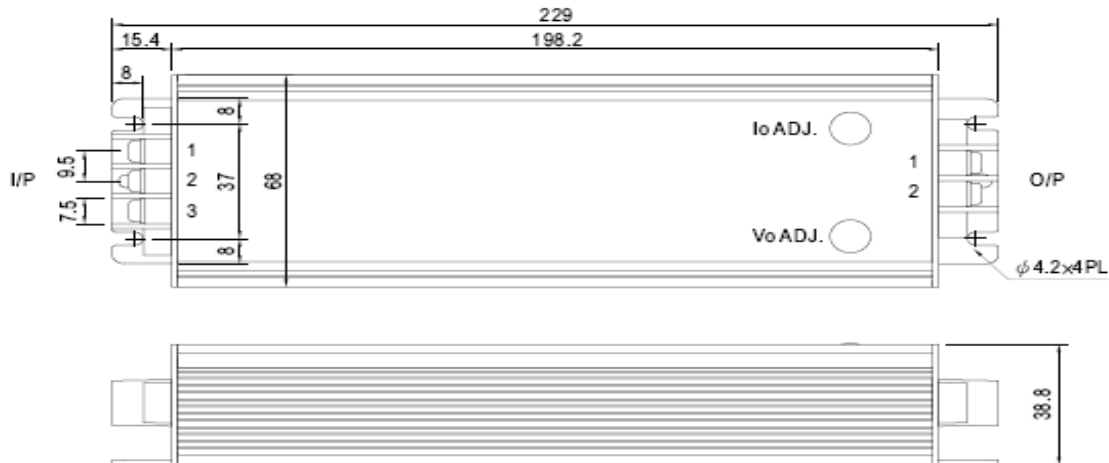


**CLG-150-xxB** shown below, IP67 Rated, Output constant current can be adjusted through control cable by connecting a resistor between ADJ1 and ADJ2 – see table below



Resistance	% of rated current, typ
Open	Slightly > 100%
4.7KΩ	100%
620Ω	75%
82Ω	50%
Short	Slightly <50%

**CLG-150-xxC** Output voltage & constant current level can be adjusted through internal potentiometer which can be accessed by removing the rubber stopper on the case



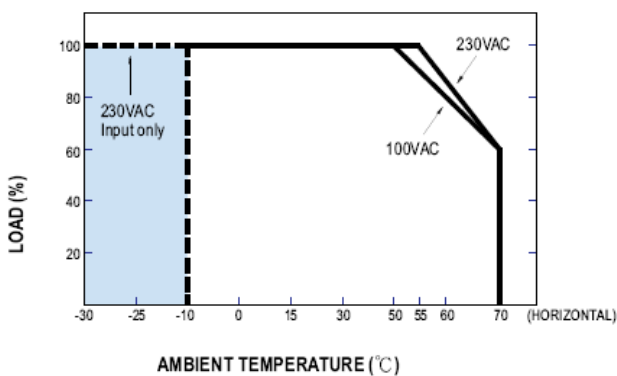
AC Input Connections :

Terminal	Assignment
1	FG
2	AC Neutral
3	AC Live

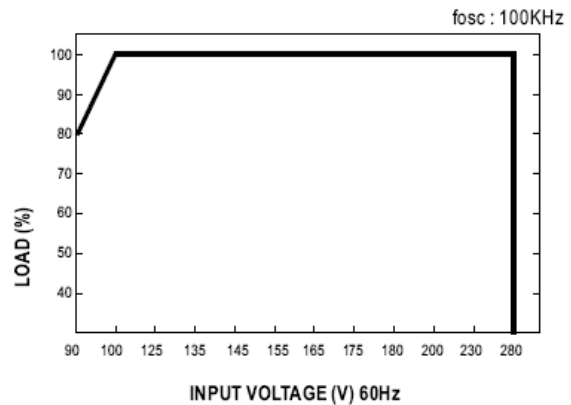
DC Output Connections :

Terminal	Assignment
1	+ V
2	-V

### Derating, (Input AC Supply & Temperature)



※-30°C start up possible for 230VAC input



Specifications may change without notice. E&OE. ALL PSU Terms & Conditions apply.

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