

Features:

- Universal AC Input (up to 280 vac)
- Short Circuit / Overload / Over Voltage / Over Temperature Protection Circuits
- Built-in active PFC function
- IP65 ~ IP67 design & Internally Potted for Outdoor Installations
- Cooling by free air convection
- 100% full load burn-in test
- High Reliability with > 303k Hours MTBF
- Suitable for LED lighting and moving sign applications
- 3 Year Warranty



Input Specifications:

Input Range	Universal AC input Range (90-280VAC / 127~396 VDC)
Input Frequency	47-63 Hz
Inrush Current	60A max @ 230VAC (cold start)
Input Current	2a @ 115 VAC / 1a @ 230 VAC (max continuous)
Efficiency	88~90% Typical (depending on output model)
Hold-up Time	16ms at 115VAC / 80ms @ 230VAC (full load)
Leakage Current	<2000µA maximum @ 240 VAC
Harmonics	Compliance to EN61000-3-2 Class C (>50% load) ; EN61000-3-3

Output Specifications:

Adjustment Range	See output table
Minimum Load	none
Regulation	±0.5% Line / ±1% Load
Ripple / Noise	150~200mV pk-pk maximum (20MHz)
Set-Point Accuracy	±2% (maximum)
Over Current Protection	100~110%, Constant current limiting, auto-recovery
Over Voltage Protection	110-135% (latching)

Status & Control Signals:

Output currents may be set at factory 3~25% of rated current

Electromagnetic Compatibility:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-100, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

Environmental Specifications:

Operating Temp	-30~+70°C (refer to de-rating curve)
Storage Temp	-40°C ~ +80°C max.
Cooling	Convection Cooled Operation
Humidity	20~90%RH (non-condensing)
Vibration	10~500Hz, 5G 10min/1 cycle for 60 min (3 axes)
Shock	20G Peak Acceleration
Reliability	>303K hours minimum per MIL-HDBK-217F (25°C)

Safety & Emissions:

- UL/cUL60950-1
- TUV EN60950-1
- EN61347-1 / 2-13
- IP65 or IP67 protection level
- CE Mark (LVD)
- EN55022 (CISPR 22) Class B



Specifications are subject to change without notice. If RoHS compliant products are required, please specify clearly on your Purchase Order

Output Models:

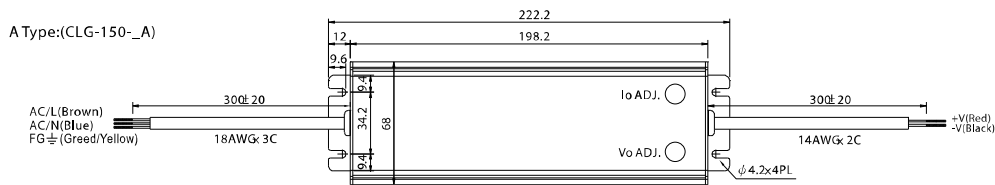
CLG-150-12x	12V 11A (132W)	9~13V Adj Range (1) / LED
CLG-150-15x	15V 9.5A (142.5W)	13~17V Adj Range (1) / LED
CLG-150-20x	20V 7.5A (150W)	17~22V Adj Range (1) / LED
CLG-150-24x	24V 6.3A (151.2W)	22~27V Adj Range (1) / LED
CLG-150-30x	30V 5.00A (150W)	26~32V Adj Range (1) / LED
CLG-150-36x	36V 4.2A (151.2W)	31~41V Adj Range (1) / LED
CLG-150-48x	48V 3.2A (153.6W)	40~56V Adj Range (1) / LED

Replace "x" with: A : IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer. (Standard Stocking Model)
 B : IP67 rated. Constant current level adjustable through output cable. (Optional)

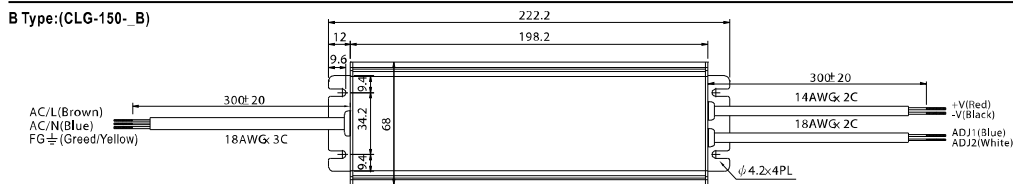
Mechanical Specifications:

Weight (pounds):

2.2

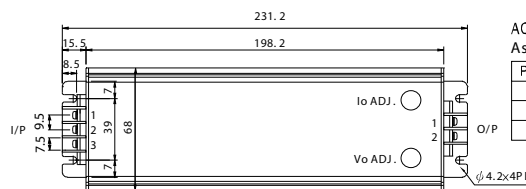


※ IP65 rated. Output voltage and constant current level can be adjusted through internal potential meter. (Can access by removing the rubber stopper on the case.)



※ IP67 rated. Output constant current level can be adjusted through output cable by connecting a resistor between ADJ1 and ADJ2.
 ※ Reference resistance value for output current adjustment (Typical)

C Type:(CLG-150_C)



AC Input Terminal Pin No. Assignment

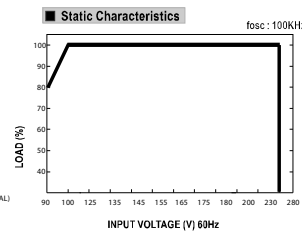
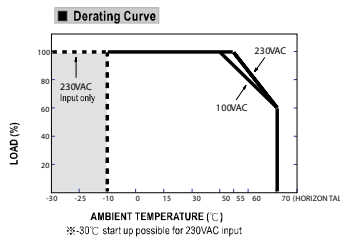
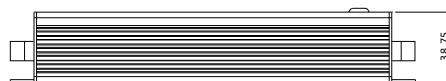
Pin No.	Assignment
1	FG
2	AC/N
3	AC/L

DC Output Terminal Pin No. Assignment

Pin No.	Assignment
1	+V
2	-V

※ Output voltage and constant current level can be adjusted through internal potential meter. (Can access by removing the rubber stopper on the case.)

All Models



Soft copy of this specification:
<http://www.powergateinc.com/pdfs/CLG-150pdf>

Detailed specification:
<http://www.meanwell.com/search/clg-150/CLG-150-spec.pdf>