

# 150 Watt Series CONSTANT VOLTAGE LED DRIVER



Green Watt Power  
Division of Caltek Mfg. Co. Inc.

www.greenwattpower.com  
925-687-4411 / 800-542-3355  
email: sales@greenwattpower.com

## Description

The GLV 150 Watt series provides a constant voltage power supply for use in LED applications. Provides a maximum of 150 watts continuous output with air convection.

- Universal AC Input / Full Range
- 100-277 VAC Input for North America
- High Reliability
- Efficiency up to 90%
- Over Voltage Protection
- Short Circuit Protection
- Over Current Protection
- Over Temperature Protection
- Waterproof IP67
- RoHS Compliant



## Model Selection

Model Number	Output Voltage	Rated Current	Efficiency (% Typical)
GLV-24-150	24 V	6.25 A	90

## Specifications

Input Parameters			
Input Voltage Range*	MIN	100	VAC
*Designed to optimum performance at 110 and 220 nominal lines	TYP	230	
	MAX	277	
Input Frequency	TYP	47 - 63	Hz
Power Factor 220 VAC Input, Full Load		0.95	
Input Current 110 VAC, Full Load 220 VAC, Full Load	MAX	1.8 0.9	A
Inrush Current 220 VAC/60Hz, Full Load Cold Start	MAX	50	A

Output Parameters			
Voltage Range	TYP	24 ±5%*	V
Noise & Ripple	MAX	500	mV P-P
Setup Time	MAX	2	s
Rise Time	MAX	200	ms
Load Regulation	MAX	2	%

\* Tolerance includes Setpoint Tolerance, Line and Load Regulation.

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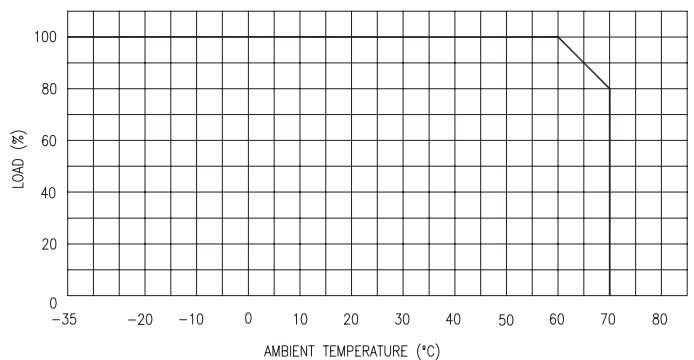


General Specifications			
Short Circuit Protection		Recovers automatically after fault condition is removed	
Withstand Voltage			
Test Method: I/P - O/P		3750 VAC 1 MIN. ≤ 10 mA	
Test Method: I/P - FG		1870 VAC 1 MIN. ≤ 10 mA	
Test Method: O/P - FG		500 VAC 1 MIN. ≤ 10 mA	
Withstand Impedance Test Method: I/P - O/P		500 VDC 100MΩ/min (at room temperature)	
Grounded Impedance		25A/3 SEC	
MTBF:		≥ 260,000	Hours
INPUT FUSE:			
Temperature - Operating	MIN	-35	°C
	TYP	25	
	MAX	70	
Temperature - Storage	MIN	-40	°C
	TYP	25	
	MAX	85	
Case Size	8.98" x 2.83" x 1.73" 228mm x 80mm x 45mm		
Unit Weight	0.4Kg		

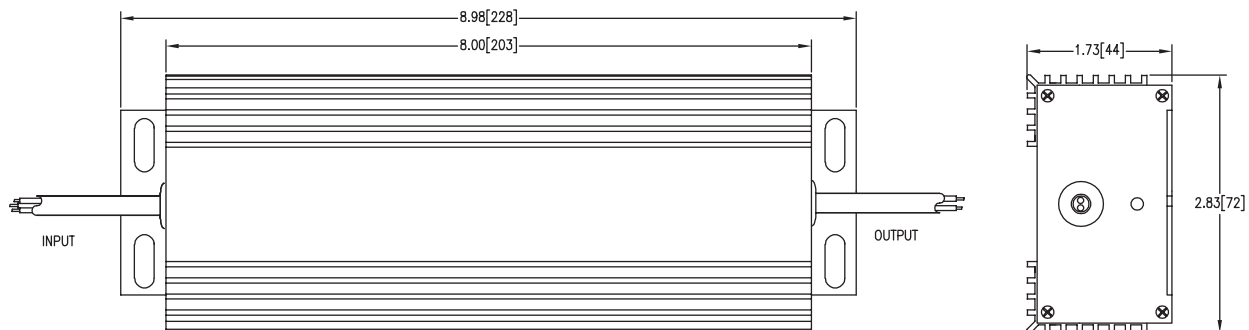
## Notes:

- (1) Specifications are subject to change without notice.
- (2) Output Current will auto-adjust within the current range to provide the constant voltage as specified.
- (3) DC Output Ripple & Noise Test Conditions: Oscilloscope should be limited at 20 MHz bandwidth. At output terminals with parallel 0.1 μF ceramic and 22 μF electrolytic capacitors.
- (4) See Green Watt Power website for RoHS statement. [www.greenwattpower.com/pdf/rohs.pdf](http://www.greenwattpower.com/pdf/rohs.pdf)

## Derating Curves



## Case Specifications



All dimensions are inches (mm)

AC INPUT	DC OUTPUT
AC LINE - BROWN	+V OUT - RED
AC NEUTRAL - BLUE	- V OUT - BLACK
GND - YELLOW/GREEN	

Wire color may vary. See Label for actual designation