

Everylite Datasheet Ver 1.3

# ALA-60-12



## Description

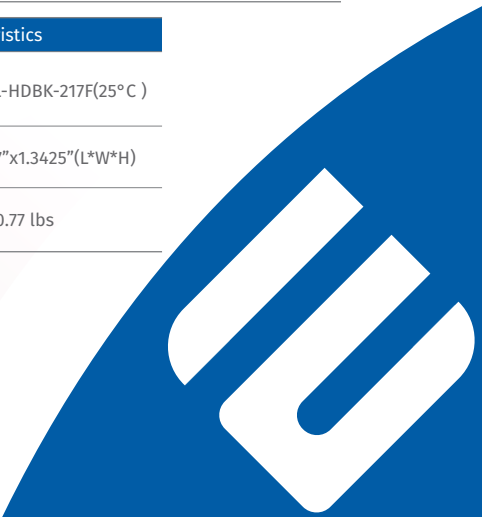
ALA-60-12 Class 2 LED power supply is a high efficiency power solutions for LED signage and other outdoor applications by featuring a wide input voltage range of 100-277VAC with PFC function, surge, over voltage, over current, over temperature and short circuit protections. With a waterproof grade of IP67, it is designed to work under a wide range of environmental conditions with multiple protection functions for wide operating temperatures between.

## Features

- 100-277VAC nominal input voltage
- IP67 plastic case with silicone encapsulated designed for indoor or outdoor applications, suitable for dry, damp and wet locations.
- Protections: Short circuit, over current, over voltage, over temperature with auto recovery
- Compliance to worldwide safety regulations for lighting: UL, CE, FCC, RoHS
- 2 years product warranty

## Specification

Output Characteristics		Environmental Characteristics		Safety and EMC	
Rated Output Voltage	12V	Vibration	10-500HZ,5G, 30 minutes (for X, Y, Z each axis)	Safety Standard	IP67, Class 2, UL8750, FCC,RoHS
Rated Output Current	5A	IP Grade	IP67	Dielectric Strength (Hi-Pot)	I/P-O/P 3.75KVAC/ 10mA/ 3S
Rated Output Power	60W	Storage Humidity	10-95%RH	Insulation Resistance	100MOhm Min/ 500VDC/ 3S
Output Voltage Accuracy	±5% (11.4-12.6V)	Storage Temperature	-40-185°C	Grounding Resistance	100mOhm Max
Output ripple & noise	≤150mV	Working Humidity	20-95%RH (non-condensing)	EMC	FCC part 15classB
Input Characteristics		Protective Characteristics		Other Characteristics	
Input Voltage Range	100-277VAC	Over-Temperature Protection	Yes	MTBF	≥30000hrs. MIL-HDBK-217F(25°C )
Input Frequency Range	47-63HZ	Over-Voltage Protection	Yes	Size	6.5118"x1.6417"x1.3425"(L*W*H)
Input Current	1.5A max	Short-Circuit Protection	Yes	Weight	0.77 lbs
Inrush Current (cold start)	≤60A (230Vac)	Over-Current Protection	Yes		
Efficiency	≥85%				

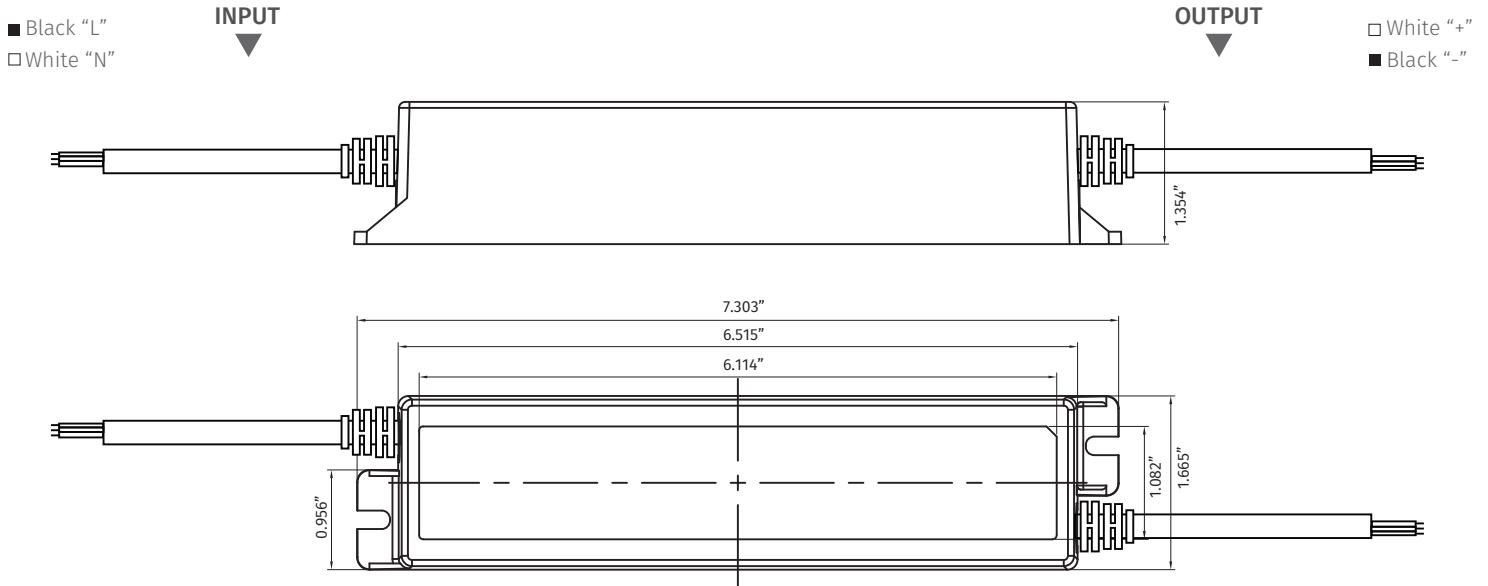


## Notes

- Test environment temperature: -13±36°C
- Please ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Please ensure the power supply position has sufficient airflow. Operating temperature must be between -20C to+50C.
- Do not overload the power supply with multiple appliances.
- Power supply operates at high temperature. To avoid injury, do not touch while in use.
- Do not install with power connected or during an electrical disturbance.
- To be installed by a certified electrician. Please contact the supplier with any questions.

## Drawing

Unit: inches



## Label Drawing

<b>INPUT</b> 100-277V 50/60Hz 1.5A Max (N) White (L) Black	<b>EVERYLITE</b> LED Driver: For LED Only <b>ALA-60-12</b> E364597 S/N: 307-05-815	SELV FC IP67	Efficiency >85% TA 50°C TC 85°C	• 1-888-567-4533 • www.everylite.com • Made in China • Date Code: YYWW • Constant Voltage • Class 2 Power Supply • Suitable for Dry, Damp and Wet Locations	(+) Red (-) Black <b>OUTPUT</b> 12V --- 5A
			Output Voltage 12V Output Power 60W		