

Date:	
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Firm Name:	
Project:	



Everylite Datasheet Ver 2.0

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	
Rated Output Voltage	12V
Rated Output Current	5A
Rated Output Power	60W
Output Voltage Accuracy	±5% (11.4-12.6V)
Output ripple & noise	≤150mV

Environmental Characteristics	
Vibration	10-500HZ,5G, 30 minutes (for X, Y, Z each axis)
IP Grade	IP67
Storage Humidity	10-95%RH
Storage Temperature	-40-365° F
Working Humidity	20-95%RH (non-condensing)

Safety and EMC	
Safety Standard	IP67, Class 2, UL8750, FCC,RoHS
Dielectric Strength (Hi-Pot)	I/P-O/P 3.75KVAC/ 10mA/ 3S
Insulation Resistance	100MOhm Min/ 500VDC/ 3S
Grounding Resistance	100mOhm Max
EMC	FCC part 15classB

Input Characteristics	
Input Voltage Range	100-277VAC
Input Frequency Range	47-63HZ
Input Current	0.6A @ 110V
	1.2A @ 220V
	1.5A @ 277V
Inrush Current (cold start)	≤60A (230Vac)
Efficiency	≥85%

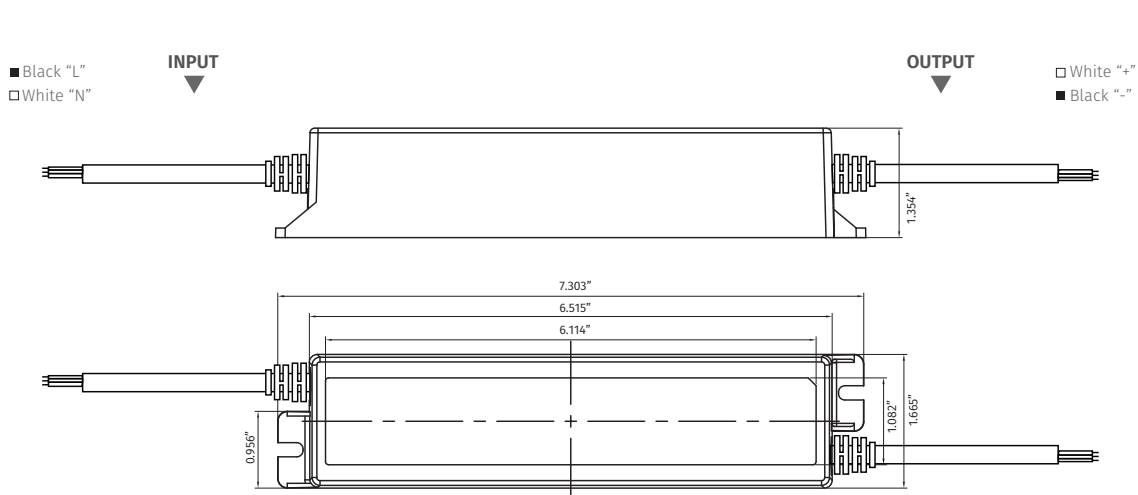
Protective Characteristics	
Over-Temperature Protection	Yes
Over-Voltage Protection	Yes
Short-Circuit Protection	Yes
Over-Current Protection	Yes

Other Characteristics	
MTBF	≥30000hrs. MIL-HDBK-217F(25°C)
Size	6.5118"x1.6417"x1.3425"(L*W*H)
Weight	0.77 lbs




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



Label Drawing

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