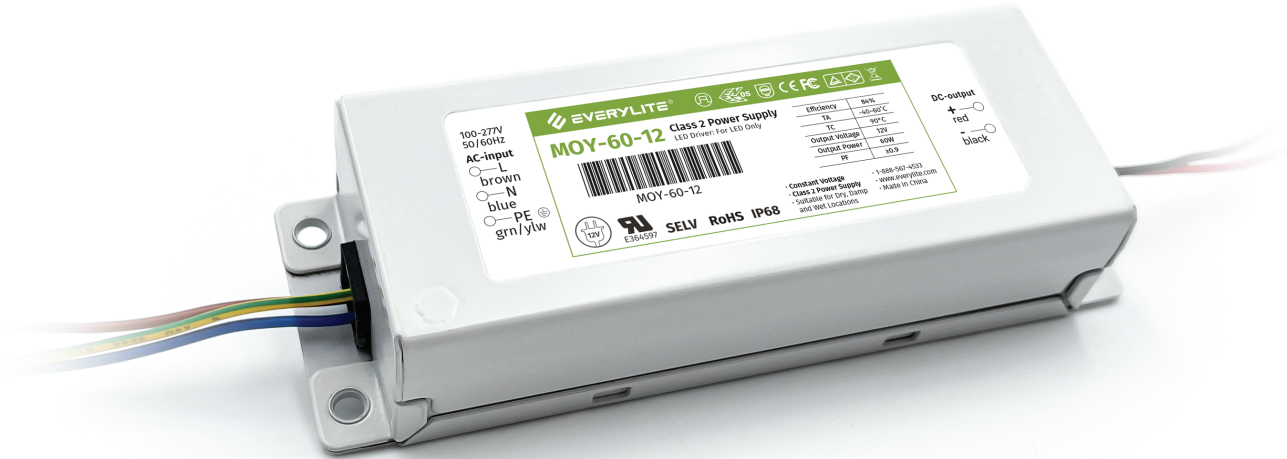


Date:	
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Firm Name:	
Project:	



# MOY-60-12

Everylite Datasheet Ver 3.0.0  
Revision Date 02/2022



## Description

MOY-60-12 Class 2 LED power supply is a high efficiency and high performance power solutions for LED signage and other outdoor applications by featuring a wide input voltage range 100-277VAC with PFC function, surge, over voltage, over current, over temperature and short circuit protections. With the highest waterproof grade of IP68, is a designed to work under a wide range of environmental conditions with multiple protection functions for wide operating temperatures.

## Features

- 100-277VAC nominal input voltage
- Active power factor correction PF≥0.9
- IP68 aluminum case with silicone encapsulated designed for indoor or outdoor applications, suitable for dry, damp and wet locations.
- Built-in PFC function
- Fire-retardant rating UL94 V-0
- Protections: Short circuit, over current, over voltage, over temperature with auto recovery
- Compliance to worldwide safety regulations for lighting: UL, CE, FCC, RoHS



## 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

Input Characteristics	
Input Voltage Range	100-277 VAC
Input Frequency Range	50-60HZ
Input Current	0.9A @ 115V
	0.45A @ 230V
	0.36A @ 277V
Inrush Current (cold start)	≤40A (230VAC)
Efficiency	≥85%

Environmental Characteristics	
Vibration	10-500HZ,5G, 30 minutes (for X, Y, Z each axis)
IP Grade	IP68
Storage Humidity	10-95%RH
Storage Temperature	-40°F~+176°F
Working Humidity	5-95%RH (non- condensing)
Working Temperature	-40°F~+140°F

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

Safety and EMC	
Safety Standard	IP68 UL8750, FCC, Class 2, CE, EN605, CB, EN55015, EN61547, EN61000-3-2, EN61000-3-3, CB, EN6C, CE-LVD : IEC/EN61347-1, IEC/EN61347-2-13, UL8750, UL879
Dielectric Strength (Hi-Pot)	I/P-O/P 3.75KVAC/ 10mA/ 3S
	I/P-Case 1.8 KVAC/ 10mA/ 3S
Insulation Resistance	100MOhm Max/ 500VDC/ 3S
Grounding Resistance	10A 100mOhm Max / 3S
EMC	FCC part 15 class B EN55015

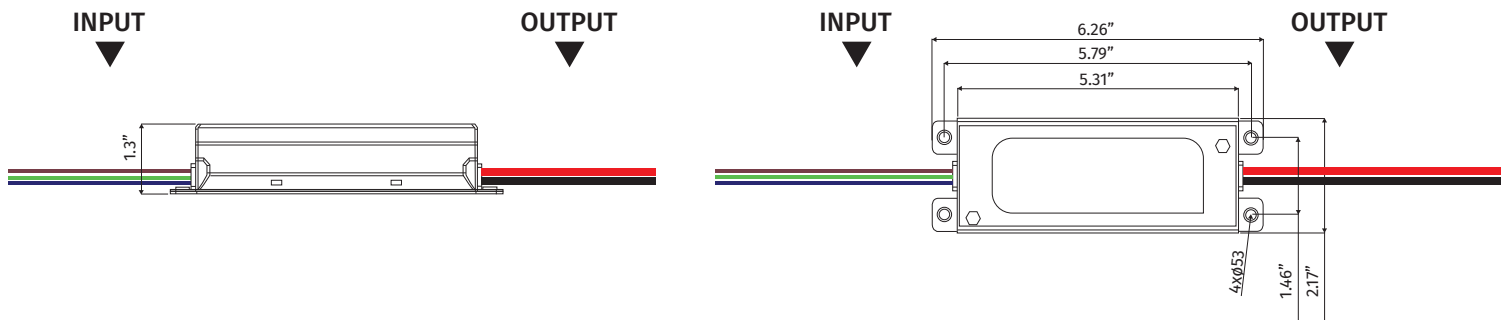
Other Characteristics	
MTBF	≥30000hrs. MIL-HDBK-217F(77°F)
Size	6.25"x2.17"x1.31"(L*W*H)
Weight	1.15 lbs

## Notes












- Test environment temperature: 77 ± 35.6°F
- 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.
- 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

<p>100-277V 50/60Hz</p> <p><b>AC-input</b></p> <p>○—L brown</p> <p>○—N blue</p> <p>○—PE  grn/ylw</p>	<p>      </p> <p><b>MOY-60-12</b> <b>Class 2 Power Supply</b> LED Driver: For LED Only</p> <p> MOY-60-12</p> <p>  <b>SELV RoHS IP68</b></p>	<table border="1"> <tr> <td>Efficiency</td> <td>84%</td> </tr> <tr> <td>TA</td> <td>-40~60°C</td> </tr> <tr> <td>TC</td> <td>90°C</td> </tr> <tr> <td>Output Voltage</td> <td>12V</td> </tr> <tr> <td>Output Power</td> <td>60W</td> </tr> <tr> <td>PF</td> <td>≥0.9</td> </tr> </table> <p> <ul style="list-style-type: none"> <li>• Constant Voltage</li> <li>• Class 2 Power Supply</li> <li>• Suitable for Dry, Damp and Wet Locations</li> </ul> </p>	Efficiency	84%	TA	-40~60°C	TC	90°C	Output Voltage	12V	Output Power	60W	PF	≥0.9	<p><b>DC-output</b></p> <p>+ ○ red</p> <p>- ○ black</p>
Efficiency	84%														
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