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EVE-150-12-K

Everylite Datasheet Ver 3.0.0
Revision Date 08/2021



Description

EVE-150-12-K 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, it is designed to work under a wide range of environmental conditions with multiple protection functions for wide operating temperatures -40°F to +122°F.

Features

- 100-277VAC nominal input voltage
- Active power factor correction PF≥0.95
- IP68 metal case with silicone encapsulated designed for indoor or outdoor applications, suitable for dry, damp and wet location
- Built-in PFC function
- Protections: Short circuit; over current; over voltage; short circuit; over temperature with auto recovery
- Compliance to worldwide safety regulations for lighting: UL, CE, GS, CQC
- 5 years product warranty



Specification

Output Characteristics	
Rated Output Voltage	12V
Rated Output Current	12.5A
Rated Output Power	150W
Output Voltage Accuracy	±5% (11.4-12.6V)
Output ripple & noise	150mVp-p

Environmental Characteristics	
Vibration	10-500HZ,5G, 12 min./1 cycle period for 72min. (for X, Y, Z each axis)
IP Grade	IP68
Storage Humidity	10-95%RH
Storage Temperature	-40°F~+176°F
Working Humidity	20-95%RH (non-condensing)
Working Temperature	-40°F~+122°F

Safety and EMC		
Safety Standard	IP68 UL, FCC, CE ENEC	
Dielectric Strength (Hi-Pot)	I/P-O/P	3.75KVAC
	I/P-Case	2.0KVAC
Isolation Resistance	100MOhm Max/ 500VDC	
Grounding Resistance	100MOhm	
EMC	FCC part 15 class B	

Input Characteristics	
Input Voltage Range	100-277VAC
Input Frequency Range	50-60HZ
Input Current	1.45A @ 115V
	0.71A @ 230V
Inrush Current (cold start)	≤40A (230Vac)
Efficiency	≥90%

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

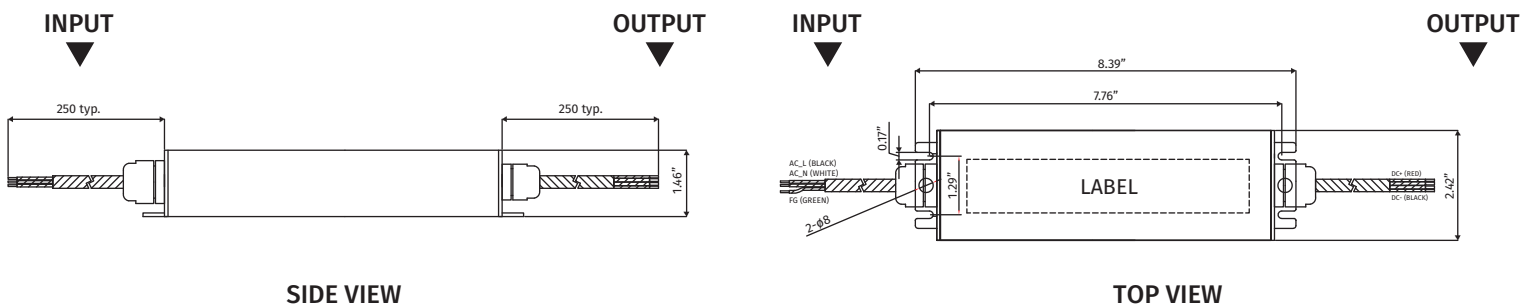
Other Characteristics	
Size	8.39"x2.42"x1.46"(L*W*H)
Weight	1.72 lbs

Notes

- All Parameters not specially mentioned are measured at 220VAC.
- Test environment temperature : 77° F
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with 0.1uF & 47uF parallel capacitor.
- The above data are typical values; the actual data of each single product could differ from the typical values.
- The data subject to change without prior notice.
- 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 -40° F to +122° F.
- 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.

Unit: inches





Drawing



SIDE VIEW

TOP VIEW

Label Drawing

100-277V 50/60Hz AC-input ○ L black ○ N white ○ PE ⊕ green	 			<table border="1"> <tr><td>Efficiency</td><td>90%</td></tr> <tr><td>TA</td><td>-40-50°C</td></tr> <tr><td>TC</td><td>176°F</td></tr> <tr><td>Output Voltage</td><td>12V</td></tr> <tr><td>Output Power</td><td>150W</td></tr> <tr><td>PF</td><td>0.9 min</td></tr> </table>	Efficiency	90%	TA	-40-50°C	TC	176°F	Output Voltage	12V	Output Power	150W	PF	0.9 min	<ul style="list-style-type: none"> • 1-888-567-4533 • www.everylite.com • Made in Korea 	DC-output + red ○ - black ○
	Efficiency	90%																
TA	-40-50°C																	
TC	176°F																	
Output Voltage	12V																	
Output Power	150W																	
PF	0.9 min																	
EVE-150-12-K LED Driver: For LED Only SELV LPS IP68	  <div style="border: 1px dashed black; padding: 5px; text-align: center;">Barcode</div>	<ul style="list-style-type: none"> • Constant Voltage • Suitable for Dry, Damp and Wet Locations 																

