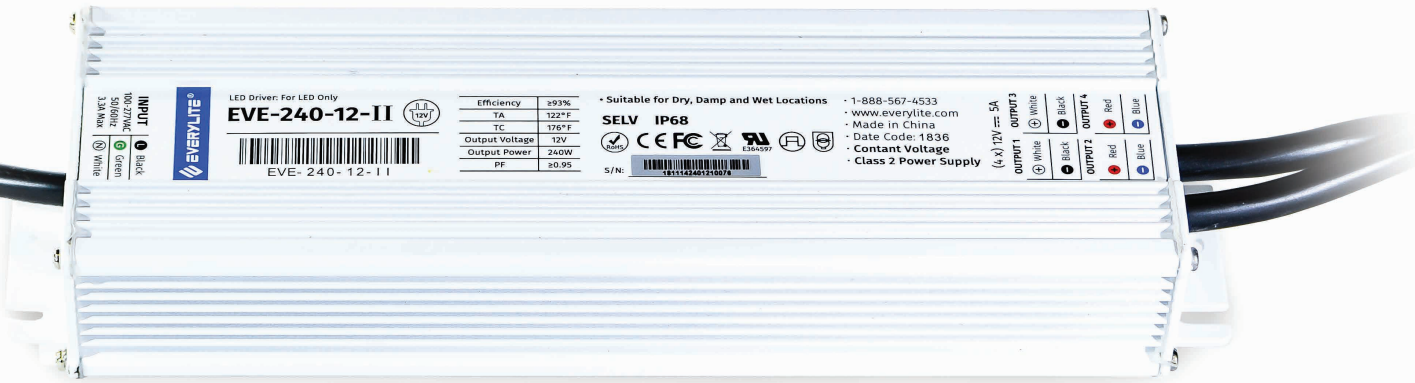


Date:	
Type:	
Firm Name:	
Project:	



EVE-240-12-II

Everylite Datasheet Ver 2.1
Revision Date 11/2019



Description

EVE-240-12-II 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, 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 aluminum 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
- Fire-retardant rating UL94-0
- Compliance to worldwide safety regulations for lighting: UL, CE, ENEC, FCC, ROHS



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	IP68 UL, FCC, CLASS II, CE ENEC ROHS
Rated Output Current	5A x 4			Dielectric Strength (Hi-Pot)	I/P-O/P I/P-Case
Rated Output Power	240W	IP Grade	IP68	Insulation Resistance	100MOhm Max/ 500VDC/ 3S
Output Voltage Accuracy	±5% (11.4-12.6V)	Storage Humidity	10-95%RH	Grounding Resistance	100mOhm
Output ripple & noise	≤150mV	Working Humidity	20-95%RH (non- condensing)	EMC	FCC part 15B EN55015

Input Characteristics	
Input Voltage Range	100-277 VAC
Input Frequency Range	47-63HZ
Input Current	3.3A @ 110V
	1.65A @ 220V
	1.31A @ 277V
Inrush Current (cold start)	≤100A (100-277VAC)
Efficiency	≥93%
PF	≥0.95

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

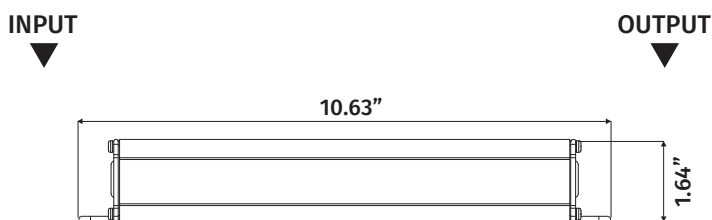
Other Characteristics	
MTBF	≥70000hrs. MIL-HDBK-217F(25°C)
Size	9.45"x2.87"x1.63"(L*W*H)
Weight	3.09 lbs

Notes

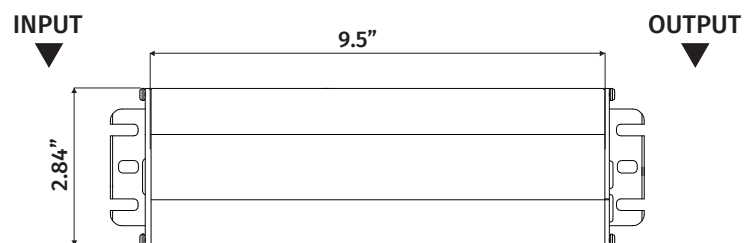
- Test environment temperature: 77 ± 35.6°F
- Ripple and noise measurement methods: terminal to parallel 47uF Ele. Cap and 0.1uF Cer. Cap , in 20 MHZ Bandwidth measurement.
- The above data are typical values; the actual data of each single product could differ from the typical values.
- The data subject to change without prior notice.

Drawing

Unit: inches












SIDE VIEW



TOP VIEW

Label Drawing

INPUT 100-277VAC 50/60Hz 3.3A Max		LED Driver: For LED Only EVE-240-12-II 	<table border="1"> <tr><td>Efficiency</td><td>≥93%</td></tr> <tr><td>TA</td><td>122°F</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>240W</td></tr> <tr><td>PF</td><td>≥0.95</td></tr> </table>	Efficiency	≥93%	TA	122°F	TC	176°F	Output Voltage	12V	Output Power	240W	PF	≥0.95	• Suitable for Dry, Damp and Wet Locations SELV IP68 	• 1-888-567-4533 • www.everylite.com • Made in China • Date Code: YYWW • Contant Voltage • Class 2 Power Supply
		Efficiency	≥93%														
TA	122°F																
TC	176°F																
Output Voltage	12V																
Output Power	240W																
PF	≥0.95																
 Barcode Number	S/N: 307-05-XXX	(4 x) 12V --- SA OUTPUT 1  White OUTPUT 2  Black OUTPUT 3  White OUTPUT 4  Red  Blue															

