

Date:	2/6/2023
Type:	
Firm Name:	Everylite
Project:	



EVE-200-24-K-II

Everylite Datasheet Ver 3.0.1
Revision Date 02/2023



Description

This Class 2 highly efficient and high performing power solution for your LED lighting and moving sign applications, possesses a constant voltage design (C.V mode) and features a built-in PFC function, over-voltage, over-current, over-temperature, and short circuit protection. With a certified IP rating of IP68, this power supply product is designed to work under a wide range of environmental conditions and can operate reliably under a wide range of temperatures.

Features

- 100-240VAC 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, over temperature with auto recovery
- Fire-retardant rating UL94-0
- Compliance to worldwide safety regulations for lighting: UL, CE, GS, CQC, RoHS



Specification

Output Characteristics	
Rated Output Voltage	24V
Rated Output Current	4A x 2
Rated Output Power	192W
Output Voltage Accuracy	±3% (23.52-24.48V)
Output ripple & noise	300mVp-p

Environmental Characteristics	
Vibration	10~500HZ,5G, 72 minutes (for X, Y, Z each axis)
IP Grade	IP68
Storage Humidity	-40~+80C,10~95%RH
Working Humidity	20~95%RH -40~+70 (non- condensing)

Safety and EMC	
Safety Standard	IP68 UL879, UL1012, GS(EN61347), CQC, CE
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 I/P-O/P, I/P-F.G, O/P-F.G:DC
Grounding Resistance	100mOhm
EMC	FCC part 15classB EN55015

Input Characteristics	
Input Voltage Range	AC90~305VAC
Input Frequency Range	47~63HZ
Input Current	1.85A @ 116VAC
	0.9A @ 230VAC
Inrush Current (cold start)	60A (230 VAC)
Efficiency	94%(@AC277V)
PF	PF>0.9 at over 60% of rated power

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(77° F)
Size	10.35"x2.83"x1.60"(L*W*H)
Weight	3.08 lbs

Notes

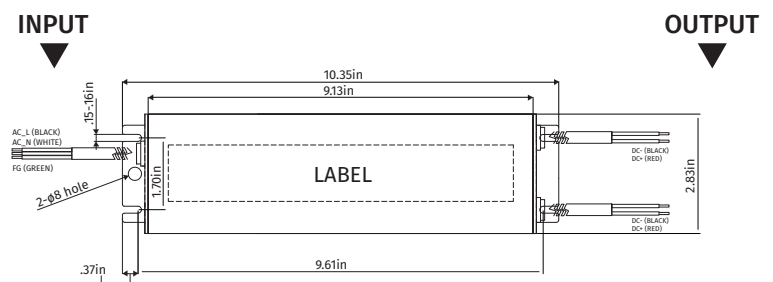
- Test environment temperature : 77±35.6°F
- Ripple and noise measurement methods: terminal to parallel 47uF Ele. Cap and 0.1uF Cer. Cap , in 20 MHZ Bandwidth measurement.
- The above data are typical values; the actual data of each single product could differ from the typical values.
- The data subject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

Drawing

Unit: inches



SIDE VIEW



TOP VIEW



Label Drawing

AC-input


- L black
- N white
- PE green

EVERYLITE

EVE-200-24-K-II

LED Driver: For LED Only

SELV IP68



EVE-200-24-K-II

Class 2 Power TWO 96W Outputs
(LED1: 96W / LED2: 96W)

Efficiency	94%(@277V)
TA	-40~50°C
TC	158°F
Input	100-277V 2.1A 50/60Hz 231W
Output Voltage	24V
Output Power	192W
PF	0.9 min

• 1-888-567-4533
• www.everylite.com
• Made in Korea

• **Constant Voltage**
• **Class 2 Power Supply**
• Suitable for Dry, Damp Locations

DC-output

- + red
- black
- + red
- black

DC-output

- + red
- black
- + red
- black

