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| Date: | |
| Type: | |
| Firm Name: | |
| Project: | |



EVE-150-24

Everylite Datasheet Ver 2.1
Revision Date 11/2019

68 150W UL 240V

Description

EVE-150-24 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 100-240VAC 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 +140°F.

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 | 6.25 A |
| Rated Output Power | 150W |
| Output Voltage Accuracy | ±2% (23.52-24.48V) |
| Output ripple & noise | ≤240mV |

| Environmental Characteristics | |
|-------------------------------|---|
| Vibration | 10-500HZ,5G, 30 minutes (for X, Y, Z each axis) |
| IP Grade | IP68 |
| Storage Humidity | 10-95%RH |
| Working Humidity | 20-95%RH (non- condensing) |

| Safety and EMC | |
|------------------------------|---|
| Safety Standard | IP68 UL8750, 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 |
| Grounding Resistance | 100mOhm |
| EMC | FCC part 15classB EN55015 |

| Input Characteristics | |
|-----------------------------|-----------------------|
| Input Voltage Range | 100-240VAC |
| Input Frequency Range | 50-60HZ |
| Input Current | 1.6A / 115V |
| | 0.8A / 230V |
| Inrush Current (cold start) | ≤70A (100-240 VAC) |
| Efficiency | ≥93% |
| PF | ≥0.95 |

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

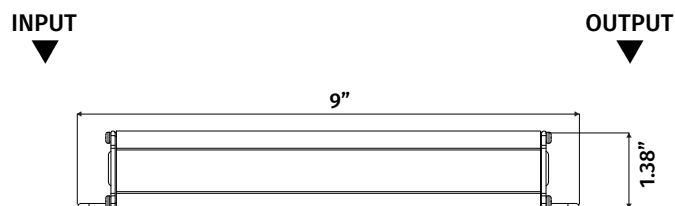
| Other Characteristics | |
|-----------------------|----------------------------------|
| MTBF | ≥30000hrs. MIL-HDBK-217F(77° F) |
| Size | 7.83"x2.65"x1.38"(L*W*H) |
| Weight | 2.2 lbs |

Notes

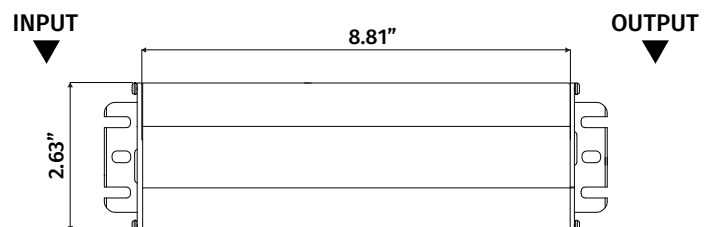
- Test environment temperature : 77±35.6°F
- Ripple and noise measurement methods: terminal to parallel 47uF Ele. Cap and 0.1uF Cer. Cap , in 20 MHZ Bandwidth measurement.
- The above data are typical values; the actual data of each single product could differ from the typical values.
- The data subject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

Drawing

Unit: inches












SIDE VIEW



TOP VIEW

Label Drawing

| | | | | | | | | | | | | | | | | | |
|---|--|---|---|------------|------|----|------|----|------|----------------|-----|--------------|------|----|-------|---|--|
| INPUT 100-240V 50/60Hz 1.83A Max |  | LED Driver: For LED Only EVE-150-24  | <table border="1"> <tr> <td>Efficiency</td> <td>≥92%</td> </tr> <tr> <td>TA</td> <td>50°C</td> </tr> <tr> <td>TC</td> <td>75°C</td> </tr> <tr> <td>Output Voltage</td> <td>24V</td> </tr> <tr> <td>Output Power</td> <td>150W</td> </tr> <tr> <td>PF</td> <td>≥0.95</td> </tr> </table> | Efficiency | ≥92% | TA | 50°C | TC | 75°C | Output Voltage | 24V | Output Power | 150W | PF | ≥0.95 | • Suitable for Dry, Damp and Wet Locations SELV RS01     | • 1-888-567-4533 • www.everylite.com • Made in China • BAUART GEPROFT • Type approved • Date Code: YYWW • Contant Voltage |
| | | Efficiency | ≥92% | | | | | | | | | | | | | | |
| TA | 50°C | | | | | | | | | | | | | | | | |
| TC | 75°C | | | | | | | | | | | | | | | | |
| Output Voltage | 24V | | | | | | | | | | | | | | | | |
| Output Power | 150W | | | | | | | | | | | | | | | | |
| PF | ≥0.95 | | | | | | | | | | | | | | | | |
|  Barcode Number |  White  Black OUTPUT 24V \pm 5% 6.25A | | | | | | | | | | | | | | | | |

