



EM-AC-V200-UNV-H-FI-16	
Driver Type	Constant Power
Input Voltage	120V-277V
Input Frequency	50/60 Hz

- Features**
- Universal Voltage (120V-277V)
 - Constant Power Output Control
 - Slim profile / form factor
 - Open Circuit Protection
 - Short Circuit Protection
 - Sound Rated A
 - UL/cUL R/C
 - FCC Part 15 Class A
 - 5-year Limited Warranty

PRODUCT SPECIFICATIONS

EM-AC EMERGENCY MICRO INVERTER

System Application: LED Emergency Emergency LED Driver for backup lighting, used for LED arrays

INPUT	
Frequency	50/60 Hz
Input Voltage (range)	120-277VAC
Power Factor (min.)	0.6 @ full load
Input AC Current (max. @ VAC)	0.10A
Standby Power (max.)	2W
Stranded White/Black Lead	100W Max.

OUTPUT	
Output Voltage (Range)	140V-160V DC
Output Current (max.)	100mA
Output Power (max.)	15W
Output Short Protection	Yes
Output Open Protection	Yes
Output Power Config.	Fixed

ELECTRICAL DATA	
Recharge Time Req.	24
Battery Type	LiFePO4
Illumination Time	90 minutes min.

ORDERING INFORMATION:

*EMD20-300mAh kit Includes: EMBAT-3-3000-96L (Battery), EMD20-V50-UNV-H (driver)
 EXAMPLE: **EMD20-V50-UNV-H**

EMD	20	V50	UNV-H
Emergency Driver	Max. Wattage 20 = 20W	Input Voltage UNV 120-277V	



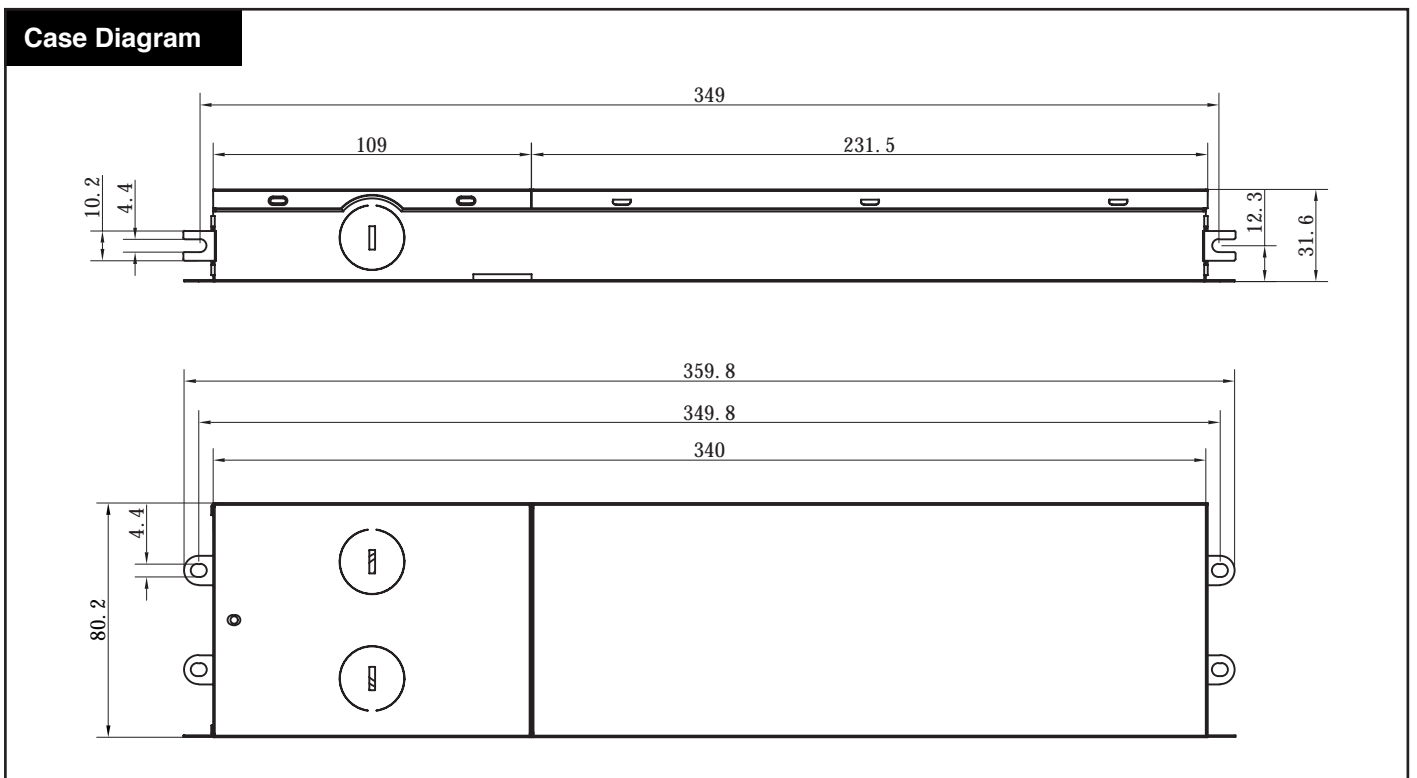
Specification data is based on tests performed in a controlled environment and represents relative performance. Actual performance can vary depending on operating conditions. Application and performance data subject to change without notice. All specifications are nominal unless noted otherwise.

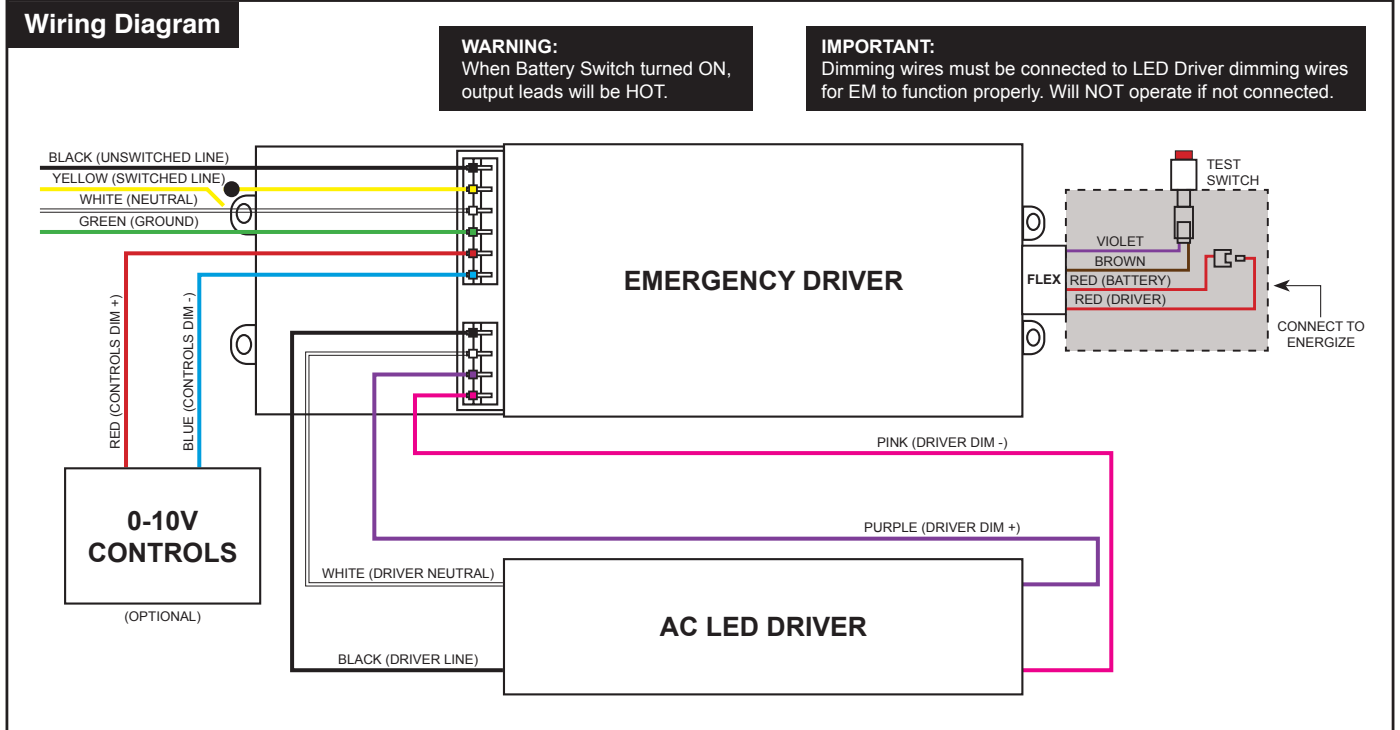
General Specifications

Environmental	
Operating Temperature	0°C ~ 50°C
Storage Temperature	-40°C ~ +80°C
Operating Humidity	20 ~ 85% RH
Storage Humidity	10 ~ 85% RH

Protection, Safety, EMC Battery	
Over Current Protection	Fuse
Application	Suitable for Dry and Damp Location
Safety Standards	UL924
EMI/EMC Standards	FCC Part 15 Class A

Physical Parameters







EM-AC Series

LED EMERGENCY DRIVER

MODEL: EM-AC-V200-UNV-H-FI-16

INSTALLATION INSTRUCTIONS

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed, including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS:

CAUTION -

DO NOT join battery connector until installation is complete and AC power is supplied to the emergency driver.

DO NOT Use Outdoors. Use with grounded, UL Listed, damp location rated fixtures, case should be grounded.

DO NOT mount near gas or electric heaters.

DO NOT use this equipment for other than intended use

For use in 0°C minimum, 50°C maximum ambient temperature. Not for use in heated air outlets and wet or hazardous locations.

An unswitched AC power source is required (120-277 VAC, 50/60 Hz). The EM-AC and AC driver must be on the same branch circuit.

The EM-AC should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized Personnel.

The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

WARNING - FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN SERIOUS INJURY OR DAMAGE TO PROPERTY

For your safety, thoroughly read these instructions and warnings in its entirety prior to installing or servicing this product. These instructions do not attempt to cover all installation and maintenance circumstances. If you do not understand these instructions or if additional information is needed, please contact Evio customer service.

WARNING - This product must be installed and serviced by a professional electrician in accordance with applicable federal, state, and local laws, regulations, and electrical code. If not qualified, do not attempt installation of this product. Contact a qualified electrician.

WARNING - To avoid risk of electrical shock, AC Power must be off before installing or servicing of emergency driver. Verify that supply voltage is correct by comparing with the input voltage on the driver label
Make all electrical and ground connections in accordance with NEC and any applicable code requirements

CAUTION - This is a sealed unit. Components are not replaceable. Replace the entire unit when necessary.

CAUTION - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. Do not let power supply wires touch hot surfaces luminaire wiring and electrical parts may be damaged when drilling for installation of LED Emergency Backup.

CAUTION - Battery is rechargeable LiFePO4 and must be recycled or disposed of properly.

IMPORTANT - LED Indicator light illuminated indicates battery is in charge mode when AC power is applied. It is recommended and required by applicable code to test the emergency driver to ensure proper function of the system; push the test switch for thirty (30) seconds every 30 days to ensure the emergency driver is functioning as LED light source is illuminated. Conduct a ninety (90) minute discharge test one (1) time per year; LED light source should be illuminated for a minimum of ninety (90) minutes

IMPORTANT: THE BATTERY MUST BE RECHARGED EVERY (3) THREE MONTHS. IF NOT RECHARGED ACCORDINGLY, BATTERY MAY FAIL AND VOID WARRANTY.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE



THIS PRODUCT CONTAINS A RECHARGEABLE LiFePO4 BATTERY. THE BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

LiFePO4