

## Explosion Proof Battery Backup System for EXP-EMG Series Bug Eyes EXP-EMGBALL-LED1

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



### EXP-EMGBALL-LED1 Explosion Proof Emergency Battery Backup Unit

**Type:** Emergency Battery Backup System

**Dimensions:** 17.75"L x 6"W x 5"H

**Seal Offs:** Customer Provided

**Materials:** Copper Free Aluminum Housing

**Mounting:** Wall Mount/Flat Surface Mount

**Wiring:** 1/2" NPT Threaded for Conduit

**U.L. Listing:** U.S. Explosion Proof

**Battery Backup:** High temp Nickel-Cadmium

**Battery Input Voltage:** (Dual) 120/277VAC @ 60Hz

**Unit Life Expectancy:** 10 years

**Battery Backup Runtime:** 90 Minutes

**Battery Output Voltage:** 12 VDC Nominal

**Battery Output Current:** 1000mA (Constant)

**Battery Output Power:** 12 Watts (Max)

**Battery Operating Temp:** 0°C - +50°C

**Battery Recharge Time:** 24 hours from full discharge

### Approvals/Ratings

Class I, Divisions 1 & 2, Groups C & D

Class II, Divisions 1 & 2, Groups E,F,G

Class III

IP67 Waterproof Rating

UL 844

UL 924

T3C Temperature Rating

NFPA101 (Life Safety Code)

### Special Orders- Requirements

Contact us for special requirements

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**The EXP-EMGBALL-LED1 from Larson Electronics is an Explosion Proof Emergency Battery Backup System that works with LED lighting systems to create an emergency lighting system. This battery backup system is encased in a Class I Division 1 cast aluminum enclosure that is also IP67 rated waterproof and can be used in both indoor and outdoor applications. The EXP-EMGBALL-LED1 is compatible with the Larson Electronics EXP-EMG series of one lamp, two lamp and three lamp mason jar exit lights and bug eye signs.**

The EXP-EMGBALL-LED1 operates a maximum load of 20 W at unity power factor. It allows the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. Each unit consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in a Class I Division 1 explosion proof cast aluminum case that is also IP67 waterproof and can be used in both indoor and outdoor applications.

The EXP-EMGBALL-LED1 supports emergency illumination for a minimum of 90 minutes. At a maximum of 20 W at unity power factor, the EXP-EMGBALL-LED1 will provide input power to ballasted lamp supporting it at 100% of the AC rated output throughout the 90-minute emergency illumination period. Upon failure of

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normal power, the ballast instantly begins providing emergency power to the connected lighting load for a minimum of 90 minutes. A solid-state low voltage disconnect circuit protects the inverter battery from severe damage by deep discharge during prolonged power failures. When normal power is restored, the EXP-EMGBALL-LED1 automatically returns to charge mode. The battery capacity is fully restored in 24 hours. The ballast does not affect normal fixture operation and may be used with a switched or unswitched fixture. It can be installed in close proximity to the fixture or remote from the fixture (up to 250 feet).

**Compatible Lights:** The EXP-EMGBALL-LED1 is compatible with the Larson Electronics` EXP-EMG series of one lamp, two lamp and three lamp LED mason jar exit lights and bug eye signs including the [EXP-EMG-12W-1L](#), [EXP-EMG-12W-2L](#) or the [EXP-EMG-EXT-12W-3L](#). The EXP-EMGBALL-LED1 can replace broken, damaged or otherwise compromised battery backup systems on these units.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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#### Made in the USA Quality

1. No Maintenance Nickel-Cadmium Battery.
2. Copper Free Aluminum Alloy Construction.
3. Universal 120 through 277VAC Operation
4. 90 Minute Battery Backup Runtime.
5. Deep Discharge Battery Protection.
6. 1/2" NPT Conduit Hub.
7. Epoxy Powder Coat Finish.
8. 10 Year Rated Lifespan.
9. Fully Automatic Operation.
10. Solid State Internal Electronics.
11. Pilot Light AC Current Indicator.
12. Test Switch for Emergency Operation Confirmation.
13. Fully Electronic Circuit Control.



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## Frequently Asked Questions (FAQ)

Links (Click on the below items to view):

- [MSDS \(Material Safety Data Sheet\)](#)
- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)