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EXP-EMGBALL-LED1

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

Product ID: 148092

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



Image: EXP-EMGBALL-LED1

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

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 - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

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 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 for more information about our custom options tailored to meet your specific industry needs.

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)

There are no Faqs

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/148092.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/148092.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/148092.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)