



PRODUCT: 6 LITER EFIREX FIRE EXTINGUISHER – SKU: EFX6L DEVELOPED FOR LITHIUM-ION FIRE PROTECTION

LITHIUM-ION BATTERY FIRE PROTECTION

EFIREX Lithium-Ion Battery Fire Extinguishers are firefighter-founded and utilize a revolutionary encapsulating agent specifically designed to control and extinguish lithium-ion battery fires. Proven in real-world testing by firefighters, EFIREX works by rapidly extinguishing, encapsulating, cooling, and eliminating thermal runaway through a heat exchange process.

Engineered for environments where lithium-ion batteries and charging stations present a hazard, EFIREX extinguishers deliver unmatched protection. The EFIREX agent is environmentally friendly, non-conductive, and non-corrosive, ensuring safe use around sensitive equipment and the environment. With a zero hazardous material classification, EFIREX is the ideal solution for facilities that demand strict environmental compliance.

PROVEN EFFECTIVENESS ON LITHIUM BATTERY FIRES

EFIREX has been rigorously tested by NFPA "Assessment of Electric Vehicle Firefighting Techniques, Technologies and the Impact of Stranded Energy" and proven effective in suppressing lithium-ion battery fires test.

APPLICATIONS

EFIREX fire extinguishers provide an unmatched solution for lithium battery fire suppression in:

- Homes & Offices, Lithium Battery Manufacturing & Repair Facilities, Recycling Centers, Charging Stations, E-Bike & E-Scooter Hubs

HOW IT WORKS

EFIREX is applied in a straight stream dispersion for maximum reach and precision. Upon contact:

1. Suppresses flames instantly and rapidly cools adjacent cells.
2. Forms a protective encapsulating film over battery cells while rapidly cooling them.
3. Isolates the fuel source to stop fire spread.
4. Reduces thermal propagation between cells.
5. Encapsulates vapors and acts as an oxygen barrier.
6. Prevents re-ignition even under high heat conditions.

KEY FEATURES

- Extinguishes Class A fires effectively
- Firebreak capability — stops propagation before it spreads
- Proven lithium-ion fire suppression results
- Environmentally friendly
- Stainless steel cylinder, brass valve, stainless handles
- 100% helium leak tested
- Manufactured under ISO 9001 Quality System
- One-year full certification
- Note: Underwriters Laboratories currently has no test criteria for lithium-ion battery fire protection (as of Nov 2024).

SPECIFICATIONS

- **MODEL NUMBER:** EFX-6L
- **AGENT CAPACITY:** 6 Liters
- **UL/ULC RATING:** 1A
- **TEMPERATURE RANGE:** 35° to 120° F (1.7° to 49° C)
- **DISCHARGE TIME:** 30 seconds
- **DISCHARGE RANGE:** 35 to 45 ft. (10.7 to 13.7 m)
- **OPERATING PRESSURE:** 120 psi (827 kpa)
- **MOUNTING TYPE:** Wall
- **EMPTY SHIP WEIGHT:** 6.25 lbs (2.8 kg)
- **UNIT HEIGHT:** 21.5 in (54.61 cm)
- **TOTAL UNIT WEIGHT:** 24 lbs. (10 kg)
- **AGENT FILL AMOUNT:** 1.5 Gallons (5 kg)
- **NOZZLE TYPE:** Smooth Bore

