6- or 9-liter battery fire extinguisher



6-liter and 9-liter fluorine-free fire extinguishers for lithium battery fires

The **6-liter and 9-liter lithium battery fire extinguishers** are specifically designed to combat fires involving lithium-ion batteries while remaining effective on **Class A and B** fires. They address the new risks associated with the growth of electric vehicles, energy storage systems, electronic equipment, and rechargeable batteries.

Thanks to their **fluorine-free water spray extinguishing agent with additives**, these extinguishers offer a high-performance, environmentally friendly solution tailored to the needs of professionals seeking to minimize the risks associated with lithium battery thermal runaway.

Why use a fire extinguisher specifically designed for lithium batteries?

Lithium-ion batteries pose a specific risk known as **thermal runaway**. When a cell is damaged or overheats, it can trigger a chain reaction that is difficult to control with a traditional fire extinguisher.

Fire extinguishers designed for lithium battery fires are formulated to rapidly cool the cells, limit the spread of the fire, and reduce the risk of the fire reigniting. They are now an essential first-response solution in environments where lithium batteries are used or stored.

A more environmentally friendly, fluorine-free technology

Both models use a **fluorine-free foaming additive (FFF—Free Fluorine Foam)** that is free of PFAS fluorinated compounds such as PFHxA, PFOA, and PFOS. This next-generation formulation produces a stable foam that

isolates the fuel, limits reignition, and promotes cooling of the fire source.

This technology offers a truly eco-friendly alternative to traditional fluorinated foams while maintaining excellent fire-extinguishing performance.

Two capacities available depending on the risk level

MMF offers two versions to meet different protection needs:

- **6-liter fire extinguisher:** recommended for offices, workshops, technical rooms, computer rooms, charging stations, and small lithium battery storage areas.
- **9-liter fire extinguisher:** recommended for maintenance workshops, industrial sites, logistics hubs, warehouses, electric vehicle maintenance centers, and areas with a higher risk.

Technical Specifications

Specifications	6-liter model	9-liter model
Extinguishing agent	Water + fluorine-free additive with a specific additive for lithium batteries	Water + fluorine-free additive with a specific additive for lithium batteries
Rated capacity	6 liters	9 liters
CO? cartridge	60 g	80 g
Operating weight	9.7 kg	13.9 kg
Extinguishing capacity	27A - 144B - 25F	34A - 183B
Operating time on lithium batteries	Up to 135 Wh	Greater than the 6-liter model
Operating temperature	+5°C to +60°C	+5°C to +60°C
Certification	NF EN 3-7	NF EN 3-7
MED Marine Approval	Yes	Yes

A rugged design tailored for professionals

The extinguisher body is made of steel with an anti-corrosion coating of oven-cured epoxy-polyester resin. The lightweight alloy head features a cataphoretic anti-corrosion treatment, while the nickel-plated brass striker ensures excellent long-term reliability.

The specialized nozzle promotes the formation of a stable foam that isolates the fire source, prevents reignition, and improves cooling of burning battery packs.

Professional Applications

- Electric vehicle maintenance shops
- Auto repair shops
- Industries using lithium-ion batteries
- Battery storage facilities
- Logistics centers
- Computer rooms and data centers
- Charging stations
- Municipalities and public facilities
- Industrial sites equipped with battery energy storage systems (BESS)

MMF: Your specialist in fire protection against risks associated with lithium batteries

Advances in electrical technology require new fire suppression solutions. MMF supports professionals with a range**of fire extinguishers specifically designed for lithium battery fires**, compliant with current standards and tailored to the risks encountered in the industrial, electric mobility, energy storage, and technical infrastructure sectors.

MMF PROTECTION ET SÉCURITÉ - 672 RUE DES MERCIÈRES - PARC DES MERCIÈRES - 69140 RILLIEUX LA PAPE - FRANCE
Tél. 04 78 00 00 25 - Fax 04 78 00 96 61 - www.mmf.fr - e-mail : mmf@mmf.fr
Siret : 79587045000041 - APE : 4669B - RCS : RCS LYON B 795870450 - N° TVA intracom : FR12795870450 - Capital : 211 200,00 €