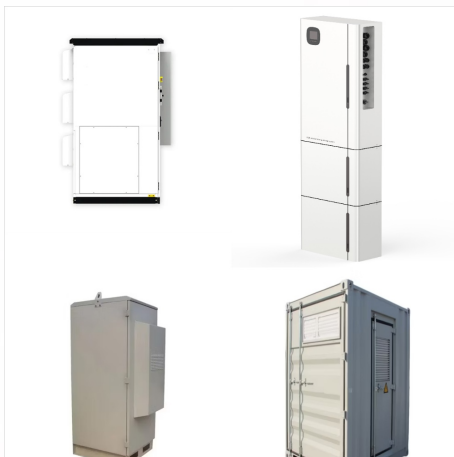




For small lithium-ion battery fires, specialist fire extinguishers are now available, that can be applied directly to the battery cells, to provide both cooling and oxygen depletion, with the aim to control fire and reduce temperature to below the level where there is sufficient heat to re-ignite the fire.



determine effective means of extinguishing a lithium battery fire in a portable electronic device. It was determined that two critical steps are required to extinguish a lithium battery fire in a portable electronic device and to prevent reignition.



Steps to follow in case of a battery fire include evacuating the area, calling the local fire department immediately, and using a Class D fire extinguisher designed for flammable metal fires, including lithium.

LITHIUM BATTERY FIRES HOW TO EXTINGUISH



The best way to manage a lithium-ion (Li-ion) battery failure, either fire or explosion, is to address the hazards holistically. If appropriate, use a fire suppression design specifically designed for this application. Also, understand that it may lead to an explosion as batteries can propagate between cells even if not on fire.



Instead, it is recommended to use a class D fire extinguisher designed for lithium or metal fires, dry powder extinguishing agents, or sand to smother the flames and deprive the fire of oxygen. A fire blanket or non-flammable material can ???



How to Extinguish Lithium Battery Fires.
Extinguishing lithium battery fires requires specialized methods: ??? Specialized Fire Extinguishers: Standard extinguishers may not be effective. F500 Encapsulator Agent Fire Extinguishers are specifically designed for lithium battery fires.

LITHIUM BATTERY FIRES HOW TO EXTINGUISH



Lithium-ion batteries are a class B (flammable liquid) hazard that can reignite after being extinguished. Learn why cooling the battery to a sub-ignition temperature is the key to putting out the fire and how to prepare for such incidents.



How to Extinguish a Lithium-Ion Battery Fire. If you decide to attempt extinguishing a lithium-ion battery fire, follow these steps: Use the Right Fire Extinguisher. Class D Fire Extinguishers: These extinguishers are specifically designed for fires involving combustible metals, including lithium.



Learn why lithium-ion batteries catch fire, which fire extinguisher to use, and how to prevent these fires in the workplace. A standard ABC or dry chemical fire extinguisher is recommended for lithium-ion battery fires, not a Class D dry powder extinguisher.