

SolarInnovate Energy Solutions

What does the energy storage power station use to extinguish fire



 **TAX FREE**    

ENERGY STORAGE SYSTEM

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled



The image shows a white, rectangular energy storage unit with a vertical door on the left side. The door has a handle and a small panel with indicator lights. The unit is standing on a white base. The background of the graphic is a light gray gradient.

Overview

Condensed aerosol units for BESSs act as a total-flooding system and are a listed extinguishing agent for Class A (surface), Class B, and Class C fires. What is an energy storage system (ESS)?

ESSs are available in a variety of forms and sizes. For example, many utility companies use pumped-storage hydropower (PSH) to store energy. With these systems, excess available energy is used to pump water into a reservoir during times of low demand.

Can a sprinkler system extinguish a lithium-ion battery fire?

Take sprinkler systems, for example. While testing has demonstrated them to be effective in extinguishing a lithium-ion battery fire, there are still drawbacks to using them. The application of water on electronics can cause electrical faults (such as short circuits in the BESS).

Are lithium-ion Bess fire suppression systems effective?

Given the special hazard nature of lithium-ion BESSs, special fire suppression systems are in order. Traditional fire suppression systems are often ineffective or inefficient. Take sprinkler systems, for example. While testing has demonstrated them to be effective in extinguishing a lithium-ion battery fire, there are still drawbacks to using them.

Are battery energy storage systems a good investment?

Battery energy storage systems are an excellent application for energy management and storage. Without a doubt, they will become more prevalent moving into the future. As BESS numbers increase, so does the possibility of a fire or explosion in an installation.

What is a battery energy storage system (BESS)?

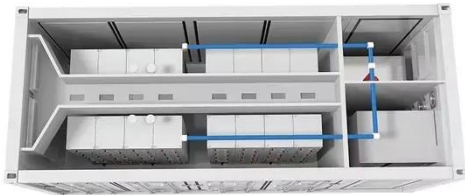
PSH systems, though an efficient method of storing energy, are logistically complex and infrastructure intensive. Therefore, they typically are only used

in utility-grade installations. And while PSH currently commands a 95% share of energy storage, utility companies are increasingly investing in battery energy storage systems (BESS).

What is pumped-storage hydropower (PSH)?

For example, many utility companies use pumped-storage hydropower (PSH) to store energy. With these systems, excess available energy is used to pump water into a reservoir during times of low demand. When energy demands rise, the water is discharged from the reservoir and drives a turbine which produces electricity.

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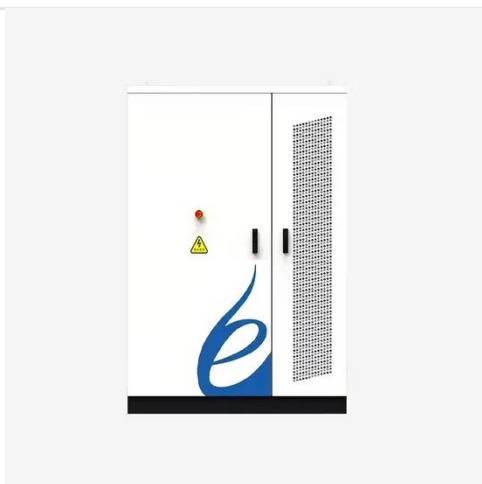


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