

The best choice for corrosion-resistant mobile energy storage containers





Overview

What is energy storage container?

Energy Storage Container is an energy storage battery system, which includes a monitoring system, battery management unit, particular fire protection system, special air conditioner, energy storage converter, and isolation transformer developed for the needs of the mobile energy storage market.

Why is corrosion resistance important for macro packaging?

For macro packaging, ensuring the corrosion resistance of packaging materials in the TES system has become its main problem, because it is not only related to the safety of food in the transportation process but also related to the long-term use and complete function of the entire energy storage system , .

Which packaging materials are suitable for high-temperature thermal energy storage?

Jacob et al. report on packaging materials suitable for high-temperature thermal energy storage and indicate that steel (carbon and stainless steel), nickel (and nickel alloys), sodium silicate, silica, calcium carbonate, and titanium dioxide can be further investigated in high-temperature PCM.

What is corrosion inhibitor technology?

The corrosion inhibitor molecules are adsorbed on the surface of the container to form a protective layer, which greatly reduces the corrosion rate of the container in an acidic environment. At present, corrosion inhibitor technology is also developing in the field of energy storage.



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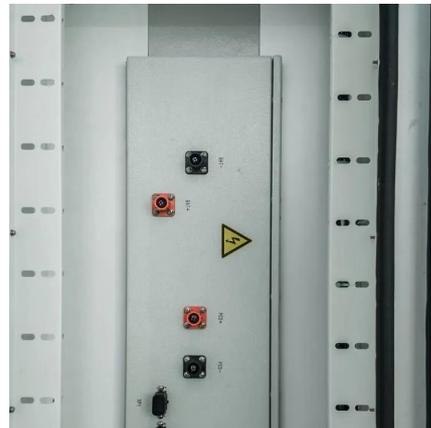


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