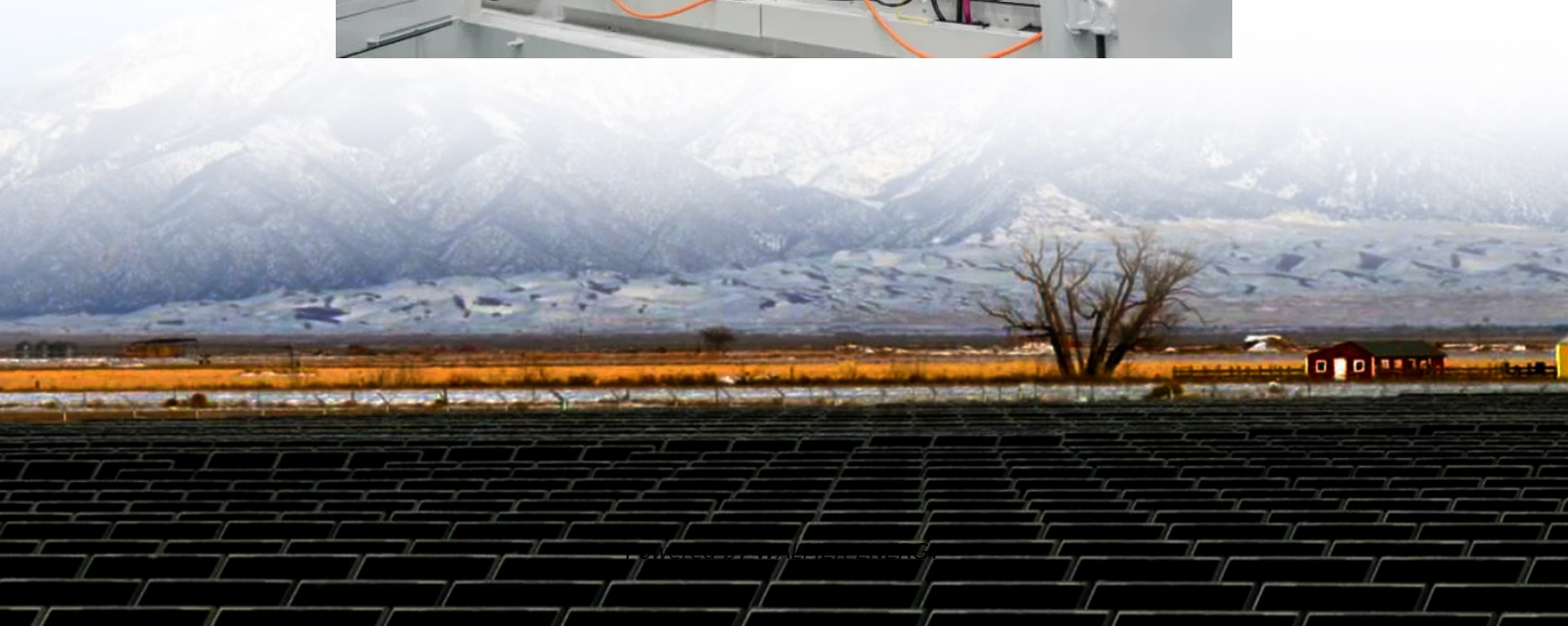


Corrosion-resistant energy storage containers for airports





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 a problem in energy storage systems?

This problem will shorten the service life of the energy storage system and even lead to a serious leakage. This paper analyzes the corrosion mechanism of common metals, summarizes the corrosion research status of phase change materials, and summarizes several common corrosion protection methods.

Can corrosion inhibitors be used in energy storage?

Adding corrosion inhibitors has become one of the main anti-corrosion methods. The technology is used in many production processes, including the production of petroleum products. At present, in the field of energy storage, research on corrosion inhibitors is also in progress.

What are thermal energy storage systems?

To accomplish these aims, new technologies such as thermal energy storage (TES) systems have been designed to be implemented in applications such as cold storage systems, solar power plants or comfort building services , , , , , .



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