LLSE CONTAINERS

Iron-air solar container battery

Overview

Are iron-air batteries the future of energy storage?

Iron-air batteries are an exciting development in the field of energy storage. With their cost-effectiveness, environmental benefits, and potential for long-duration energy storage, they offer a promising solution for large-scale applications like grid storage and backup power systems.

What are iron-air batteries?

Iron-air batteries are similar in principle to lithium-air batteries, but they use iron as the primary metal for energy storage, which makes them more abundant and cost-effective. Iron-air batteries typically consist of the following components: Anode (Iron): Iron serves as the energy storage medium, where the oxidation process takes place.

What are iron-air flow batteries?

These batteries, also known as iron-air flow batteries, offer a promising alternative to traditional lithium-ion batteries, especially in applications that require large-scale energy storage systems, such as renewable energy integration and grid storage.

How long do iron-air batteries last?

Our first commercial product is an iron-air battery system that can cost-effectively store and discharge energy for up to 100 hours. Unlike lithium-ion batteries, which can only provide energy for a few hours at a time due to their relatively high costs, iron-air batteries can deliver energy for multiple days at a time.

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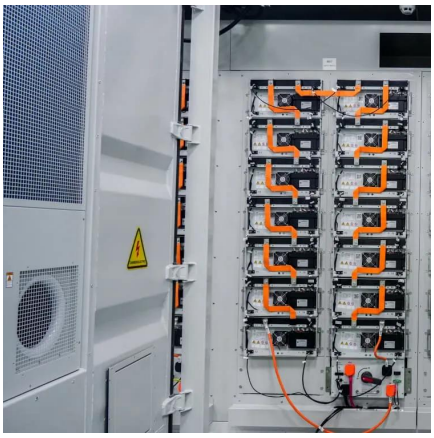
Game Changer, New Concept Iron-Air Energy Storage Device, Shuttle Battery

The SHUTTLE Battery is an innovative Iron-Air energy storage system, characterized by its simplicity and efficiency. It consists of Solid Oxide Fuel Cell (SOFC) units integrated into the ...



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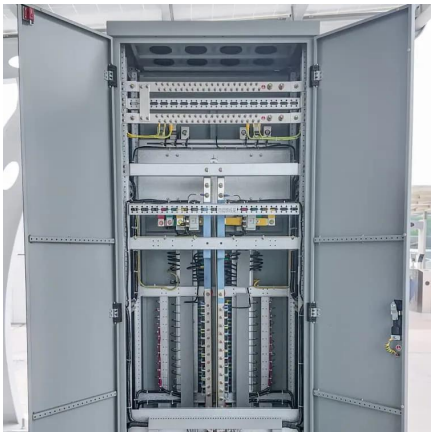

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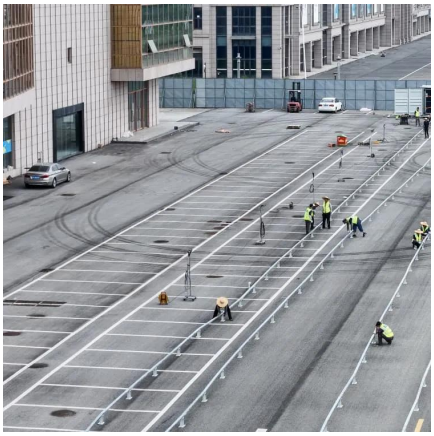

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