

Construction site container energy storage





Overview

What can you build from a construction site storage container?

A construction site storage container is well suited for building site offices. You can construct an office of any size from a shipping container and equip it with necessary facilities. This process doesn't require a significant amount of time or money. Shipping containers can be used to build portable offices that can be moved to different locations.

Could a purely electrically-powered construction site be a sustainable future?

This commercialised invention marks a new era of a purely electrically-powered construction site for a sustainable future. The first of its kind in Hong Kong, the Enertainer – a blending of “energy” and “container” – is a battery storage system intended as the primary source of power for construction machinery on site.

How much energy does a liquid cooled container hold?

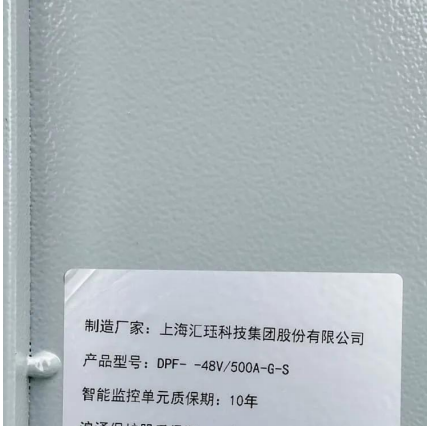
The latest generation product has an energy density of more than 440 Wh/l, a roundtrip efficiency of 96%, and a cycle lifetime of nearly 16,000 charge-discharge cycles. The liquid-cooled system has a voltage range from 1500 V – 2000 V and is configurable for storage durations of two to eight hours. The container weighs around 55 tons.

What is AI-powered energy storage & X?

At the EESA show, the company also launched its AI-powered “energy storage + X” solution for grid-scale battery storage systems capable of facilitating sizing and construction of projects as well as their operation, specifically their lifecycle services and trading in the electricity spot market.



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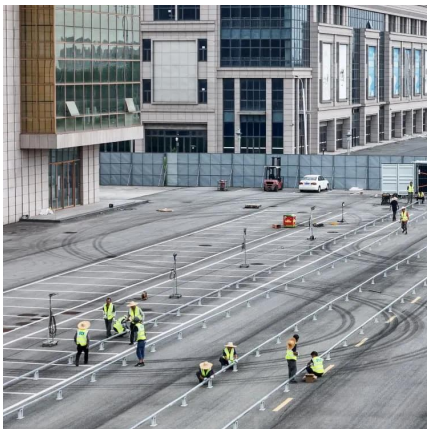


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