

High-efficiency cooperation with mobile energy storage containers





Overview

- Mobile energy storage technologies are summarized.••

How can mobile hydrogen storage improve energy sharing between energy systems?

The calculation speed has increased by 32.5 %. The proposed mobile hydrogen storage can effectively achieve hydrogen energy sharing between energy systems in a region through transportation systems, thereby effectively connecting geographically isolated energy systems through transportation networks.

What is shared Energy Storage (SES)?

Under this concept, shared energy storage (SES) has emerged, integrating the supply and demand of various energy systems, participating in energy storage capacity leasing and sharing, and achieving coordinated operation of energy systems within the region [7, 8].

What is a mobile hydrogen storage system?

The mobile hydrogen storage system consists of several hydrogen trailers, and its main goal is to achieve hydrogen energy sharing among various energy systems in the region based on transportation networks.

Can electric-hydrogen shared energy storage support multiple energy capacity demands?

The flexible operation and storage of hydrogen and electric energy provide an effective path for the development of low-carbon energy and transportation systems. This paper introduces a configuration method for electric-hydrogen shared energy storage supporting the multiple energy and capacity demands of integrated energy systems (IESs).



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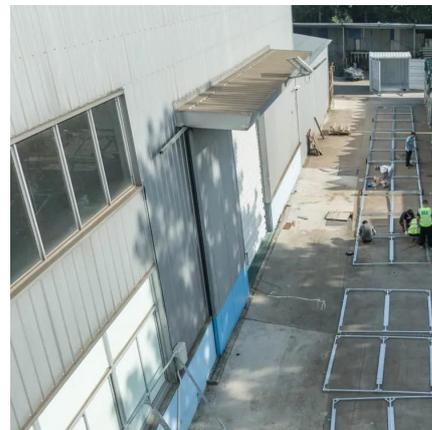
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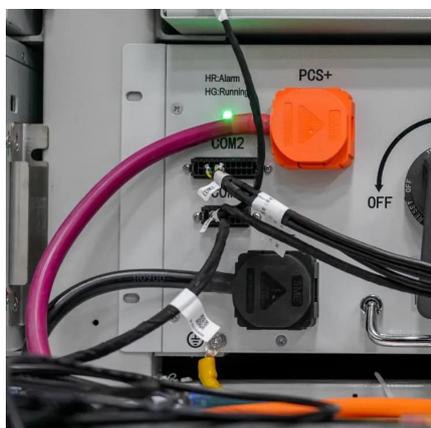


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