

Three-phase mobile energy storage container for power grid distribution substations





Overview

What is a mobile energy storage system?

A mobile energy storage system is composed of a mobile vehicle, battery system and power conversion system . Relying on its spatial-temporal flexibility, it can be moved to different charging stations to exchange energy with the power system.

What is a mobile substation?

Mobile substations are a perfect solution, whenever utilities and industries need to provide interim grid connections and temporary power supplies. Applications range from power supply during emergency or planned outages, to events, moving loads, and the integration of distributed or renewable generation.

Can mobile energy storage systems improve power distribution system resilience?

Abstract: With the spatial flexibility exchange across the network, mobile energy storage systems (MESSs) offer promising opportunities to elevate power distribution system resilience against emergencies.

What is a Hitachi mobile substation?

The solutions are available for voltage levels up to 420 kV and all power ratings, and ensure reliable and high-quality energy supplies. Why Hitachi Energy?

Mobile substations are a perfect solution, whenever utilities and industries need to provide interim grid connections and temporary power supplies. Learn more.



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