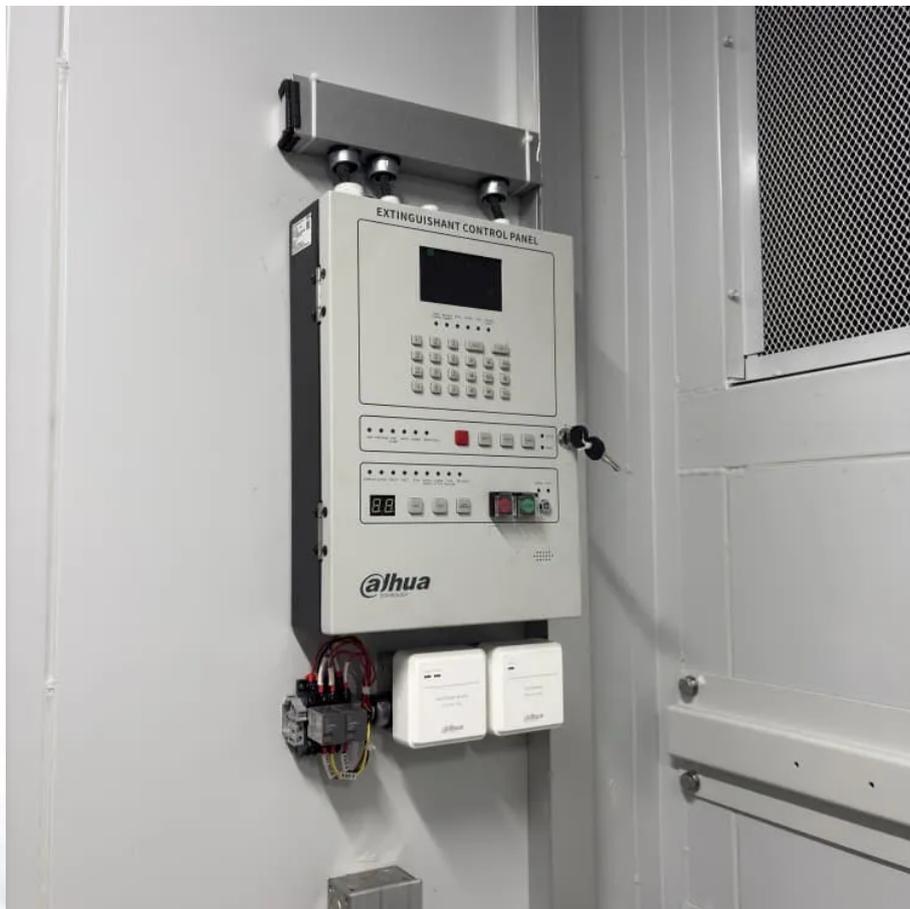


# Automatic Investment in Mobile Energy Storage Containers for Rural Areas





## Overview

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Can mobile energy storage improve power grid resilience?

As mobile energy storage is often coupled with mobile emergency generators or electric buses, those technologies are also considered in the review. Allocation of these resources for power grid resilience enhancement requires modeling of both the transportation system constraints and the power grid operational constraints.

What is a transportable energy storage system?

Referred to as transportable energy storage systems, MESSs are generally vehicle-mounted container battery systems equipped with standard-ized physical interfaces to allow for plug-and-play operation. Their transportation could be powered by a diesel engine or the energy from the batteries themselves.

Why should you use a mobile energy storage system?

This avoids creating stranded assets and saves money compared to multiple stationary energy storage systems . MESSs can also provide energy during emergency conditions and their mobility allows for fast deployment at the location where they are most necessary.

How does mobile energy storage improve distribution system resilience?

Mobile energy storage increases distribution system resilience by mitigating outages that would likely follow a severe weather event or a natural disaster. This decreases the amount of customer demand that is not met during the outage and shortens the duration of the outage for supported customers.



## Automatic Investment in Mobile Energy Storage Containers for Rural



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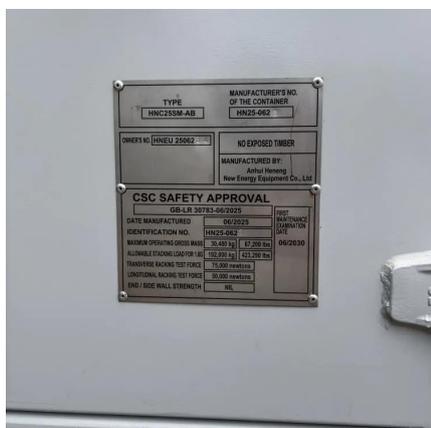


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