

# **Energy storage mobile power supply components**





## Overview

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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.

Does power Edison have a mobile energy storage system?

Power Edison has deployed mobile energy storage systems for over five years, offering utility-scale plug-and-play solutions . In 2021, Nomad Trans- portable Power Systems released three commercially available MESS units with energy capacities ranging from 660 kWh to 2 MWh .

What is a battery energy storage system?

For this guide, we focus on lithium-based systems, which dominate over 90% of the market. In more detail, let's look at the critical components of a battery energy storage system (BESS). The battery is a crucial component within the BESS; it stores the energy ready to be dispatched when needed.

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.



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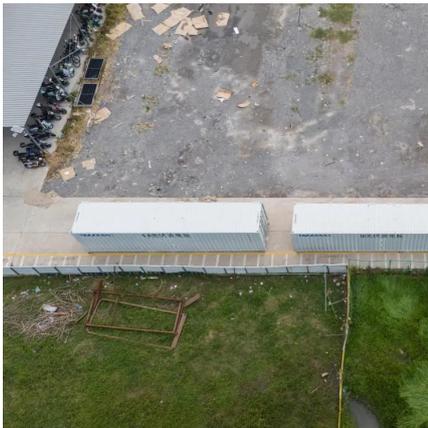
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