

## A-Core Container

# Micro mobile power storage vehicle



## Overview

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Are mobile battery energy storage systems a viable alternative to diesel generators?

Mobile battery energy storage systems offer an alternative to diesel generators for temporary off-grid power. Alex Smith, co-founder and CTO of US-based provider Moxion Power looks at some of the technology's many applications and scopes out its future market development.

What is mobile storage & how does it work?

Mobile storage offers a reliable, eco-friendly solution to replace noisy, disruptive diesel generators on film sets. Batteries can quietly power basecamps, lighting, catering, hair and makeup trailers and device charging. Their runtime can last for multi-day shoots, and they can easily adjust output to handle shifting energy needs.

What is a mobile battery storage unit?

A mobile battery storage unit from Moxion, its product to displace diesel generators for construction sites, film sets and more. Image: Moxion. Background image: U.S. Department of State - Overseas Buildings Operations, London Office Mobile battery energy storage systems offer an alternative to diesel generators for temporary off-grid power.

Can bidirectional electric vehicles be used as mobile battery storage?

Bidirectional electric vehicles (EV) employed as mobile battery storage can add resilience benefits and demand-response capabilities to a site's building infrastructure.

Are mobile batteries the future of EV charging?

As EV adoption accelerates, growing demand is outpacing available charging infrastructure. To fill in this gap, mobile storage batteries offer interim charging while permanent stations are built. Mobile batteries can charge at

sites with grid access, then disconnect to provide off-grid power for EV fleets at remote locations.

Why is a storage mobile a good idea?

Making storage mobile allows utilities to dispatch storage systems to match shifting demand and defer costly upgrades to the grid. It also enables businesses to send batteries to where power is needed most, like Canada in winter and Brazil in summer.

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