

# Development plan for portable energy storage



## Overview

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In December 2020, DOE released the ESGC Roadmap, the Department's first comprehensive energy storage strategy to develop and domestically manufacture energy storage technologies that can meet all U.

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### Energy Storage Roadmap

EPRI's Energy Storage Roadmap is a tool for EPRI to develop applied research activities to address interdisciplinary energy storage gaps that have multi-faceted impacts across diverse stakeholder

### [Application of Mobile Energy Storage for Enhancing Power Grid](#)

Mobile energy storage systems, classified as truck-mounted or towable battery storage systems, have recently been considered to enhance distribution grid resilience by providing localized support to



### TRANSPORTABLE AND MOBILE ENERGY STORAGE

The use cases, applications, and technology design architectures for non-permanent energy storage fall into three distinct categories: Transportable, Mobile, and Self-Mobile Energy Storage.

### [U.S. Department of Energy Releases Energy Storage Strategy and](#)

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[China unveils three-year action plan to boost new-type energy storage](#)

China on Friday unveiled an action plan to promote the development of new forms of energy storage between 2025 and 2027, amid efforts to support green energy transition and ensure

**14th Five-Year Plan: New Energy Storage Development**

This document identifies energy storage as a key element of the decarbonisation of the sector and support energy security. It promotes the high-quality and large-scale development of new



[Implementing portable energy storage systems in urban environments](#)

In order to solve the complicated process of battery replacement, this paper proposes a reservoir-type portable energy storage system, which has the characteris

[Development of a high-energy-density portable/mobile hydrogen](#)

In this study, an energy storage system that uses hydrogen as an energy carrier was developed for use in portable/mobile applications. Unlike systems using compressed hydrogen,



[Energy Storage Strategy and Roadmap, Department of Energy](#)

The Department of Energy's (DOE) Energy Storage Strategy and Roadmap (SRM) represents a significantly expanded strategic revision on the original ESGC 2020 Roadmap.

## HANDBOOK FOR ENERGY STORAGE SYSTEMS

Pumped Hydro Energy Storage, which pumps large amount of water to a higher- level reservoir, storing as potential energy, is more suitable for applications where energy is required for sustained periods.



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