

# New energy storage for long time



## Overview

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Drawing on unique insight from Wood Mackenzie Lens Energy Storage, our new report sets out Five trends to look for in global energy storage in 2026. Fill in the form for your complimentary copy, and read on for a short introduction to some of the themes explored. Whatever you think of as the most important topic in energy right now — whether it's electricity affordability, grid resilience, or deep decarbonization — long-duration energy storage will be essential to achieving it. While standard lithium-ion batteries are great for smoothing out the ups and. Regional dynamics demonstrate energy storage markets reaching maturity. Installations passed 100 GW for the first time - a.

## New energy storage for long time

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### The search for long-duration energy storage

Now several companies say they have developed cheaper technologies, ...

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### Energy Storage Innovation Trends 2026

The top 5 energy storage innovation trends are Solid State Batteries, Smart Grids, Virtual Power Plants, Hybrid energy storage, and LDES.

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MONITORING OF SYSTEM STATUS



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### New Long Duration Energy Storage Kisses Fossil Fuels Goodbye

A new long duration energy storage system that deploys molten tin for heat transfer has received \$20 million in Series A Plus funding.

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### The Future of Energy Storage , MIT Energy Initiative

MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids.

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### The Future of Energy Storage: Lifecycles, Longevity, ...

From next-gen potassium-ion batteries to innovative battery recycling techniques, these five startups are reshaping energy storage.

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### Energy storage: 5 trends to look for in 2026 , Wood Mackenzie

Regional dynamics demonstrate energy storage markets reaching maturity. Explore this evolution and our analysis of the key global themes to watch in the year ahead.

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### The Other Startup Promising 100 Hours of Cheap Energy Storage

Energy Climate tech Adaptation Sustainability Politics Economy Climate Carbon Removal Electric vehicles Culture Climate Tech The Other Startup

Promising 100 Hours of Cheap Energy ...

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## The search for long-duration energy storage

Now several companies say they have developed cheaper technologies, including flow batteries and metal-air batteries, that promise to unlock long-duration energy storage.

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50KW modular power converter





**Flexible Configuration**

- Modular Design, Expanding as Required
- Small&Light, Wall Mounted
- Installed in Parallel for Expansion



**Powerful Function**

- Support PV+ESS
- Grid Support, Equipped with SVG Technology
- On-Grid and Off-Grid Operation



**Reliable Protection**

- Outdoor IP55 Design
- Sufficient Protection Functions Equipped

## 10 cutting-edge innovations redefining energy storage solutions

From iron-air batteries to molten salt storage, a new wave of energy storage innovation is unlocking long-duration, low-cost resilience for tomorrow's grid.

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## Finding a Longer-Duration Alternative to Battery Storage

Compressed air energy storage (CAES) and other emerging technologies are gaining traction as safer, scalable alternatives to support renewable

integration and grid reliability.

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## Beyond Lithium: The Next Frontier In Energy Storage

Global demand for energy storage is surging. Lithium-ion leads today, but new contenders like sodium-ion, flow, and gravity systems are shaping the future grid.

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