

PEES Power Systems

**The next track for new energy
is energy storage**



Overview

Global energy storage additions are on track to set another record in 2025 with the two largest markets – China and US – overcoming adverse policy shifts and tariff turmoil. Breakthroughs in battery technology are transforming the global energy landscape, fueling the transition to clean energy and reshaping industries from transportation to utilities. This amount represents an almost 30% increase from 2024 when 48. Solar and wind energy are no longer niche players but foundational components of the global energy mix. For energy sector. The energy storage sector maintained its upward trajectory in 2024, with estimates indicating that global energy storage installations rose by more than 75%, measured by megawatt-hours (MWh), year-over-year in 2024 and are expected to go beyond the terawatt-hour mark before 2030.

The next track for new energy is energy storage



The Future of Energy Storage: Lifecycles, Longevity, and Innovation

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

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.



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.

The Future of Energy Storage:

2026 and Beyond

Explore the future of energy storage technologies beyond lithium-ion. Discover how new battery and storage tech are shaping a clean, renewable energy grid in 2026.



The Future of Energy Storage: Five Key Insights on Battery Innovation

With demand for energy storage soaring, what's next for batteries--and how can businesses, policymakers, and investors keep pace? Explore the Full "Energy Storage" Deck (PDF)

Next-generation energy storage: A deep dive into experimental and

Discusses battery applications in EVs, renewable energy storage, and portable electronics, linking research to practical needs. This manuscript provides a comprehensive overview ...



Energy Storage Rides a Wave of Growth but Uncertainty Looms: ...



In this report, our lawyers outline key developments and emerging trends that will shape the energy storage market in 2025 and beyond.

Solar, battery storage to lead new U.S. generating capacity additions

Battery storage. In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to the grid. U.S. battery storage already achieved record ...



Global Energy Storage Boom: Three Things to Know

Global energy storage additions are on track to set another record in 2025 with the two largest markets - China and US - overcoming adverse policy shifts and tariff turmoil.

Future of energy storage: 7 Powerful Trends in 2025

Energy storage provides real protection against power outages while allowing you to maximize the value of rooftop solar. No more selling excess electricity back to the grid at low rates ...



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