

PIENAAR ENERGY (PTY) LTD

2025 Energy Storage Project Recommendations



Overview

In this report, our lawyers outline key developments and emerging trends that will shape the energy storage market in 2025 and beyond. 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. Reliability – Operational project experience is small but growing and energy storage system performance is advancing. Economics – Costs are. At COP29, world leaders recognized this potential by setting an ambitious target: we need 1,500 GW of storage capacity by 2030—a six-fold increase from today's levels. “Energy storage is the fundamental building block of a. Energy storage is essential for integrating renewable energy, ensuring grid stability, enhancing reliability, and supporting the transition to sustainable, low-carbon energy systems worldwide. 5GWh of storage was installed in Q3 2025 in the US, pushing 2025 year-to-date installations past 2024 capacity.

2025 Energy Storage Project Recommendations



Energy Outlook 2025: Energy Storage

Last year, we shared the European Commission's series of recommendations on energy storage, which includes policy actions to achieve greater deployment of storage in the EU (list of ...

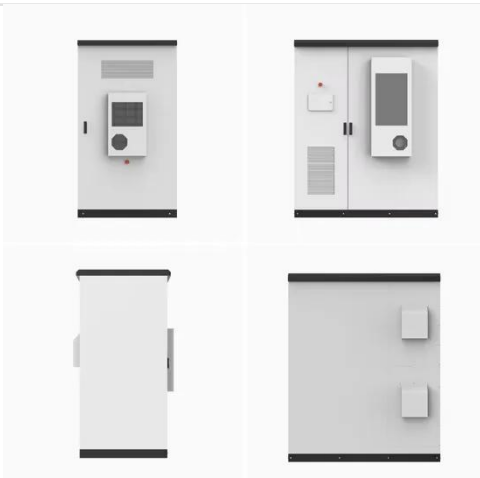
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Energy storage in 2025: Year in review

Previously, China made another major policy move by scrapping its energy storage mandate for renewable energy projects. Effective June 1, new renewable energy plants are no longer ...



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

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2025 US energy storage installations surpassed 2024 capacity

According to the Q4 2025 US Energy Storage Monitor from Wood Mackenzie and ACP, 2025 energy storage installations surpassed 2024 capacity.

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EPRI's Energy Storage Roadmap, Vision for 2025

These target future states were collaboratively developed as visions for the beneficial use of energy storage. The future states are further described below, including the gaps to address which may ...

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2024 Biennial Energy Storage Review

Some of those recommendations address specific actions that the EAC believes would provide great value to all energy storage stakeholders and end-users regardless of their role or the ...

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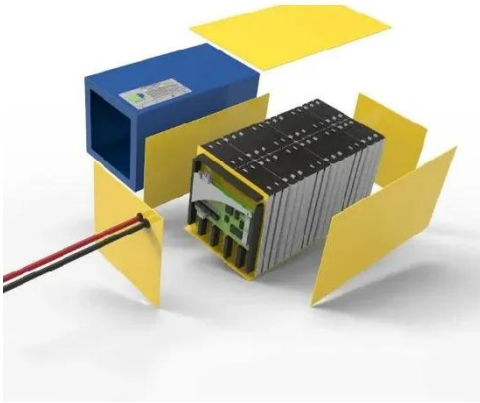


Future of energy storage: 7 Powerful Trends in 2025

The pace of deployment is accelerating dramatically. In 2023 alone, global

battery storage additions reached 42 GW--more than double the previous year's installations. Looking ...

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Energy storage safety and growth outlook in 2025

Several factors will define the energy storage market in 2025: the continued dominance of LFP chemistry and its downward impact on pricing, increased utility demand for integrated solutions ...

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Energy storage: 5 trends to watch in 2025 , Wood Mackenzie

The scene is set for significant energy storage installation growth and technological advancements in 2025. Outlook and analysis of emerging markets, cost and supply chain risk, ...

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Top Energy Storage Trends to Watch for in 2025

Advancements in energy storage

technologies, such as lithium-ion batteries, solid-state batteries, and pumped hydro storage, are driving significant improvements in efficiency, scalability, ...

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