

New Energy Storage Investment Returns





Overview

Do investors underestimate the value of energy storage?

While energy storage is already being deployed to support grids across major power markets, new McKinsey analysis suggests investors often underestimate the value of energy storage in their business cases.

Why is PE investment in battery energy storage growing?

PE investment in battery energy storage systems is surging, fueled by their high return potential and growing energy transition demands. PitchBook data shows that PE investments in energy storage and infrastructure have more than doubled since 2014, reaching \$21.1 billion in 2024 alone.

How do I evaluate potential revenue streams from energy storage assets?

Evaluating potential revenue streams from flexible assets, such as energy storage systems, is not simple. Investors need to consider the various value pools available to a storage asset, including wholesale, grid services, and capacity markets, as well as the inherent volatility of the prices of each (see sidebar, “Glossary”).

Should energy storage be undervalued?

The revenue potential of energy storage is often undervalued. Investors could adjust their evaluation approach to get a true estimate—improving profitability and supporting sustainability goals.

Are battery upgrades a good investment?

Investor interest is also on the rise. But this isn’t an easy market to master. BESS investments are a long-term commitment; projects typically run for 20 years or more with battery upgrades. They are also highly localized and carry more risk than some other clean energy investments.

Is battery storage a fundamental part of energy infrastructure?



“Battery storage is now viewed as a fundamental part of energy infrastructure, much like LNG terminals and oil tankers,” said Gresham House infrastructure and energy transition investor Lefteris Stakosias. Stakosias said this investment boom reflects a broader shift in the global energy market toward renewables.



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[Investing in the Energy Storage Revolution](#)

As costs continue to decline and market landscapes and regulations evolve, the investment case for front-of-meter storage strengthens, offering substantial returns and contributing to the ...

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Energy storage investment return

The energy storage revenue has a significant impact on the operation of new energy stations. In this paper, an optimization method for energy storage is proposed to solve the energy storage ...



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Energy transition investment outlook: 2025 and beyond

S u m m a r y As the energy transition accelerates, massive investment opportunities are emerging across multiple sectors. These are driven by the need to expand renewable energy capacity, ...

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How can I calculate the return on investment (ROI) for ...

Assessing the return on investment for energy storage encompasses a multifaceted exploration of finances, efficiencies, and ...



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Evaluating energy storage tech revenue potential , McKinsey

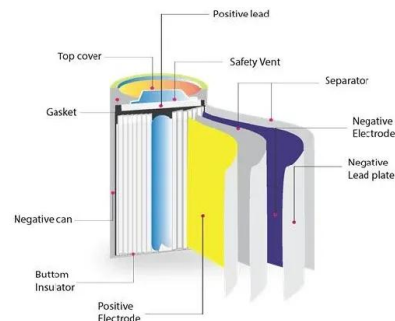
While energy storage is already being deployed to support grids across major power markets, new McKinsey analysis suggests investors often underestimate the value of ...

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Investing in the grid: PE's battery storage strategy

PE investment in battery energy storage systems is surging, fueled by their high return potential and growing energy transition demands. ...

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RECAI 63 , EY

Our new ranking of the top global markets for BESS investment can guide strategies, and four factors can help potential investors frame their approach. ...

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Energy Storage Investment Fund I: Performance , PitchBook

General Information Description Energy Storage Investment Fund I is an infrastructure opportunistic fund managed by UBS Asset Mgmt Americas. The fund is located in New York, ...

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[Energy Storage Investments - Publications](#)

Estimates indicate that global energy storage installations rose over 75% (measured by MWhs) year over year in 2024 and are expected to go beyond the terawatt-hour ...

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The 10 most attractive energy storage investment markets

Reliable electricity grids backed up by battery energy storage systems (BESS) are vital for the energy transition - but investing in BESS is complex, so which markets offer the ...

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PowerPoint Presentation

NESF has been investing in energy storage projects since 2018 and has built up considerable expertise in managing energy storage assets and running them in conjunction ...

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8 Best Energy Stocks to Buy in 2025 , Investing , U.S.

This volatility can make for outsized returns or losses, which means investors will want to include energy stocks within a well-diversified ...

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18650^{3.7V}
RECHARGEABLE BATTERY Li-ion
2000mAh



Sunwoda Debuts 684Ah & 588Ah Energy Storage Cells Globally ...

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Analytical Method for Renewable Energy and Energy Storage Investment

Since China's "dual carbon" goals, renewable energy capacity has surged, with several provinces exceeding 50% of total capacity. As the spot market develops and subsidies decrease, high ...

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Global Renewable Energy Investment Still Reaches New Record ...

Investment in the US fell 36% from the second half of 2024 as investors recalibrate to the region's changing policy landscape London, August 26, 2025 - Global investment in ...

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Analysis of various types of new energy storage ...

In the current environment of China's vigorous development of energy storage, it is essential to carry out research on the benefits and ...

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What are the new energy storage investment companies?

The emerging landscape of energy storage investment firms is characterized by several key players, including 1. well-established firms pivoting to renewables, 2. startups ...

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Beijing's Ambitious Plan to Double Energy Storage by 2027

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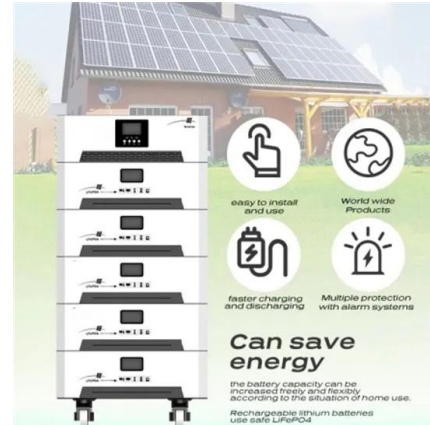
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Evaluating energy storage tech revenue potential

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How much investment can be recovered from energy storage ...

Investments in energy storage can have cascading positive effects on emissions reduction by enabling greater utilization of renewable energy sources. Thus, these ...

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The 10 most attractive energy storage investment ...

Reliable electricity grids backed up by battery energy storage systems (BESS) are vital for the energy transition - but investing in BESS is ...

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Investing in US Energy Storage: Expected Returns in 2025

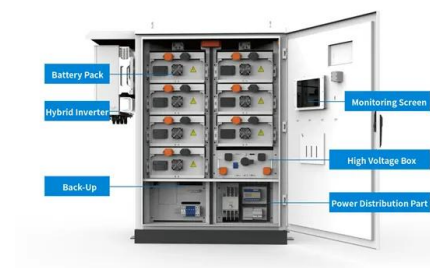
Investing in US energy storage in 2025 presents opportunities for substantial returns, driven by increasing demand, supportive policies, and technological advancements, though careful ...

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Our new ranking of the top global markets for BESS investment can guide strategies, and four factors can help potential investors frame their approach. The US, China Mainland and ...

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