

# Energy storage solar still growing



## Overview

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During the 12-month period from September 1, 2024, to August 31, 2025, utility-scale solar capacity grew by 31,706.1 MW, while battery storage grew 63.9% over the past year, adding 13,377.

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### **New materials could boost the energy efficiency of microelectronics**

MIT researchers developed a new fabrication method that could enable them to stack multiple active components, like transistors and memory units, on top of an existing circuit, which

### **Solar Market Insight Report - SEIA**

Solar accounted for 54% of all new electricity-generating capacity added to the US grid in 2025. Combined, solar and storage made up 79% of new capacity in this timeframe.



### [What's the best way to expand the US electricity grid?](#)

Growing energy demand means the U.S. will almost certainly have to expand its electricity grid in coming years. What's the best way to do this? A new study by MIT researchers examines

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### [U.S. Adds 58 GWh of New Energy Storage Capacity in 2025](#)



Standalone storage made up nearly 30 GWh of new capacity added in 2025, while storage paired with solar accounted for 20 GWh. The residential energy storage sector added 3.1

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## How artificial intelligence can help achieve a clean energy future

A look at how AI can be used to help support the clean energy transition by helping to manage power grid operations, plan infrastructure investments, guide the development of novel

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## [MIT Energy Initiative conference spotlights research](#)

At the MIT Energy Initiative's Annual Research Conference, industry leaders agreed collaboration is key to advancing critical technologies amidst a changing energy landscape.



## [Solar and Storage Account for 81% of New Capacity.](#)

This growth rate marks the entry of the US energy storage industry into a new phase of explosive development, with 10.4 GW of new storage

## [U.S. Solar and Energy Storage Set for Major Growth in](#)

Energy storage systems, mostly large batteries, are important because they help store solar and wind power for use when the sun isn't shining



## [Making clean energy investments more successful](#)



## A new approach could fractionate crude oil using much less energy

MIT engineers developed a membrane that filters the components of crude oil by their molecular size, an advance that could dramatically reduce the amount of energy needed for crude oil

New research emphasizes the importance of well-validated models and forecasting tools in evaluating choices for investments in clean energy technologies and policies by governments and



## New facility to accelerate materials solutions for fusion energy

The new Schmidt Laboratory for Materials in Nuclear Technologies (LMNT) at the MIT Plasma Science and Fusion Center accelerates fusion materials testing using cyclotron proton beam

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## Driving directions to Microsoft Headquarters, One Microsoft Way

Realtime driving directions to Microsoft Headquarters, One Microsoft Way, Redmond, based on live traffic updates and road conditions - from Waze fellow drivers

## Evelyn Wang: A new energy source at MIT

As MIT's first vice president for energy and climate, Evelyn Wang is working to broaden MIT's research portfolio, scale up existing innovations, seek new breakthroughs, and channel



## Today in Energy

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 growth in 2024

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## [Global Energy Storage Boom: Three Things to Know](#)

Despite policy headwinds earlier in the year, energy storage additions in China and the US are set to continue growing this decade. The

## [Explained: Generative AI's environmental impact](#)

MIT News explores the environmental and sustainability implications of generative AI technologies and applications.





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## [Using liquid air for grid-scale energy storage](#)

Liquid air energy storage could be the lowest-cost solution for ensuring a reliable power supply on a future grid dominated by carbon-free yet intermittent energy sources, according to a new



## EIA: 99%+ of new US capacity in 2026 will be solar, wind + storage

Solar, wind, and batteries are set to supply virtually all net new US generating capacity in 2026, according to EIA data reviewed by the SUN DAY Campaign, continuing their strong 2025 growth.

## [U.S. energy storage installations grow 33% year-over-year](#)

Storage deployment grew across all segments and is forecast to grow another 25% in 2025, according to Wood Mackenzie.



## [Solar And Storage Drive U.S. Energy Growth In 2025](#)

Despite these headwinds, solar and energy storage still accounted for 82% of all new power added to the U.S. grid during the administration's first six months. This outcome shows that no

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