

## SolarMax Energy Systems

# Electric Power Industry Statistics New Energy Storage



## Overview

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The U.S. energy storage market added more than 2 GW across all segments in Q1 2025, marking the highest Q1 on record. The utility-scale segment led the way with more than 1.5 GW of new capacity, representing a significant 57% increase compared to Q1 2024. Will energy storage growth continue through 2025?

With developers continuing to add new capacity, including 9.2 GW of new lithium-ion battery storage capacity in 2024 through November 2024 and comparable levels of growth expected through the fourth quarter of 2024, energy storage investments and M&A activity are expected to continue this trajectory through 2025.

Is China entering a new era of energy storage demand?

Mainland China accounts for most of the global energy storage demand, driven in the near term by regional requirements for new utility-scale wind and solar projects to include energy storage capacity. However, the Chinese market is entering an era of change.

How much energy storage capacity will be installed in 2025?

In the near term, the report projects that 15 GW/49 GWh of energy storage capacity will be installed across all segments in 2025. The utility-scale segment is expected to grow 22% YoY in 2025.

Why did energy storage surge in Q1 2025?

That makes Q1 2025 the biggest first quarter for energy storage in US history. The surge was led by utility-scale projects, which accounted for over 1.5 GW of the new capacity, a 57% jump compared to Q1 2024. Surging energy demand is putting the electric grid under strain,” said John Hensley, SVP of markets and policy analysis at ACP.

How will energy storage affect global electricity production?

Global electricity output is set to grow by 50 percent by mid-century, relative to 2022 levels. With renewable sources expected to account for the largest share of electricity generation worldwide in the coming decades, energy storage will play a significant role in maintaining the balance between supply and demand.

Which states are deploying more energy storage in Q1?

“We’re now seeing significant deployment in emerging markets like Indiana, while states across the Southwest like Nevada and Arizona continue to expand their energy storage portfolio,” said Noah Roberts, VP of Energy Storage at ACP. Residential storage also set a new record, with 458 MW installed in Q1, the most ever in a single quarter.

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### Battery Energy Storage Systems: Main Considerations for Safe

This webpage includes information from first responder and industry guidance as well as background information on battery energy storage systems (challenges & fires), BESS ...

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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 ...



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### Energy Storage Rides a Wave of Growth but Uncertainty ...

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

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## REPORT: Energy Storage Market Continues Strong Growth in Q1 ...

"Energy storage was the second most deployed resource in Q1 2025, demonstrating its unique ability to be quickly built to address critical reliability needs." The ...

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## Energy outlook 2025: emerging trends and predictions ...

Energy outlook 2025: emerging trends and predictions for the power industry  
Geopolitics, supply chains, energy storage, EVs, nuclear and hydrogen are ...

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## US installs more energy storage in Q1 2025 than ever before

According to the new " U.S. Energy Storage Monitor " developed by Wood Mackenzie and the American Clean Power Association (ACP), the American energy storage ...

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



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 ...

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## Energy Storage Systems Market Size, 2025-2034 Forecast

The energy storage systems market size exceeded USD 668.7 billion in 2024 and is expected to grow at a CAGR of 21.7% from 2025 to 2034, driven by the rising demand for grid stabilization ...



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## Global Energy Storage Growth Upheld by New Markets

The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, ...

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## REPORT: Solar and Storage Dominate New Power Additions in ...

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## Electric Power Monthly

Data for June 2025 Release Date: August 26, 2025 Next Release Date: September 24, 2025 Full report PDF Go Back Previous Issues SAS Output Table ES1.B. Total Electric ...

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The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two ...

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## Energy storage industry put on fast track in China

The energy storage power plants help improve the utilization rate of wind power, solar and other renewable



sources, thus promoting the proportion of new energy consumption.

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## Technologies and economics of electric energy storages in power ...

Current power systems are still highly reliant on dispatchable fossil fuels to meet variable electrical demand. As fossil fuel generation is progressively replaced with intermittent ...

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## Summary of China's energy and power sector statistics in 2024

Secondary industry - Thanks to the large-scale equipment renewal and consumer goods trade-in ("two new") policy, the growth rate of electricity consumption in high-tech and equipment ...

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## Energy Storage , ACP

Energy storage accounted for 85% of



California's clean power additions during the quarter, continuing its trend toward connecting more storage than solar. Other states, including ...

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## Global Energy Storage Market Records Biggest Jump ...

The global energy storage market almost tripled in 2023, the largest year-on-year gain on record, and that growth is expected to continue.

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## EIA Electric Power Monthly with Data for July 2020

Preface The Electric Power Monthly (EPM) presents monthly electricity statistics for a wide audience including Congress, Federal and State agencies, the electric power industry, and the ...

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## Residential battery storage skyrockets in record ...

The US battery storage market set another record in 2024, according to a new report from the American Clean

Power Association and ...

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