



New energy storage record

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 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.

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.

Will utility-scale energy storage grow 22% yy in 2025?

The utility-scale segment is expected to grow 22% YoY in 2025. As the market evolves, continued innovation, supportive policies, and strategic planning will be crucial to navigate the changing landscape and capitalize on the immense potential of energy storage in the U.S. energy transformation.

Is energy storage at a crossroads?

The Q1 2025 results demonstrate the demand for energy storage in the US to serve a grid with both growing renewables and growing load," said Allison Weis, global head of energy storage at Wood Mackenzie. "However, the industry stands at a crossroads, with potential policy changes threatening to disrupt this momentum."

What are energy storage systems?

Energy storage systems are not primary electricity sources, meaning the technology does not create electricity from a fuel or natural resource. Instead, they store electricity that has already been created from an electricity generator or the electric power grid, which makes energy storage systems secondary sources of electricity. Wind.

With a planned photovoltaic capacity of 690 megawatts (MW) and battery storage of 380 MW, it is expected to be the largest solar project in ...

Solar and battery storage are expected to lead new US generating capacity additions in 2025, says the US Energy Information Administration (EIA). Meanwhile, ...

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Energy storage news roundup: record grid reliability for Exelon, 1MWh of zinc batteries at SDSC & Invinity gets 3 ISO certifications.

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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 ...

Energy storage deployments in the US broke records for three successive quarters, with previous records "shattered" to finish the year.

Carbon Brief explores how China has been driving the energy storage sector forwards and how it fits into the nation's wider energy transition.

The U.S. energy storage market set a Q2 record in 2024, with the grid-scale segment leading the way at 2,773 MW and 9,982 MWh deployed.

The Q1 2025 results demonstrate the demand for energy storage in the US to serve a grid with both growing renewables and growing load," said Allison Weis, global head of ...

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

US energy storage deployments hit record 3.8 GW in Q3, led by Texas, California: report The energy storage sector is having its best year ...

China's new energy storage sector has seen a rapid growth in 2024, with installed capacity surpassing 70 million kilowatts, said an official with the National Energy ...

2 · TradingKey - Fueled by China's new energy storage doubling plan and supportive auto supply chain policies, investor interest in the energy storage sector has surged. With Morgan ...

A 25MW / 100MWh BESS project brought online in the service area of Arizona utility Salt River Project (SRP) in the quarter. Image: SRP. In the third quarter of 2021, almost ...

The hybrid device achieves a record energy storage efficiency of 2.3% and a total solar utilization efficiency of 14.9%.

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marketization, the reform of the electricity spot market is ...

Last year saw energy storage deployments set a new record with 12.3 GW of installations across all segments, according to the latest U.S. ...

The Hoosier State added 256 MW of new storage to the grid in Q1 2025, effectively quadrupling its operational storage capacity. Its progress ...

The U.S. energy storage market added more than 2 GW across all segments in the first quarter (Q1) of 2025, marking the highest Q1 on record, according to the latest U.S. ...

Sungrow remains the world leader in solar inverters and energy storage. It shipped 147 GW of inverters and 28 GWh of storage systems globally in 2024, topping ...

The U.S. energy storage market set new installation records in Q3 2024, according to the latest "U.S. Energy Storage Monitor" report released ...

The U.S. energy storage market achieved a remarkable milestone in the first quarter (Q1) of 2025, adding over 2 GW across all segments, the highest for any Q1 on record.

Guided by machine learning, chemists at the Department of Energy's Oak Ridge National Laboratory designed a record-setting carbonaceous supercapacitor material that stores four ...

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 ...

In June 2024, ERCOT experienced its largest-ever monthly increase in new battery energy storage capacity. 649 MW of rated power - with 1,040 MWh of energy capacity - ...

Looking ahead The U.S. energy storage market is expected to see 12.9 gigawatts (GW) deployed across all segments in 2024. New capacity ...

2024 was a groundbreaking year for the energy storage industry. Record-breaking deployments, increasing technology diversity, and expansion into new

Guided by machine learning, chemists at the Department of Energy's Oak Ridge National Laboratory designed a record-setting carbonaceous supercapacitor material ...

California's, and the world's, largest battery energy storage facility was just green-lit for Fresno County. The Darden project also includes a solar farm.



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Battery developers love the freewheeling ERCOT system, and all the new energy storage is helping to bolster the grid. But will the good times ...

In April, Energy-Storage.news reported that Queensland had bagged a maximum instantaneous BESS discharge record of 474.1MW at 17:55 on 30 March. Soon after, the NEM, ...

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California's, and the world's, largest battery energy storage facility was just green-lit for Fresno County. The Darden project also includes a ...

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