

SolarGrid Energy Solutions

First quarter energy storage projects



Overview

The US energy storage market just posted its strongest Q1 ever, adding more than 2 gigawatts (GW) of capacity across all segments, according to the latest US Energy Storage Monitor from Wood Mackenzie and the American Clean Power Association (ACP). 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 big is non-hydro energy storage in 2024?

In the first three quarters of 2024, newly operational non-hydro energy storage installations reached 20.67 GW/50.72 GWh, representing year-on-year growth of 69% in power capacity and 99% in energy capacity.

How energy storage power stations are being built?

In terms of installed capacity, new energy storage power stations are now being built in a more centralized way and large scale with longer storage duration period, said the administration.

What's going on with residential storage in Q1?

Residential storage also set a new record, with 458 MW installed in Q1, the most ever in a single quarter. California and Puerto Rico led the way, accounting for 74% of that growth, while Illinois and other emerging markets began to pick up pace. Despite a strong near-term outlook, the long-term picture is cloudier.

Which region is the fastest in developing new energy storage?

The northwestern regions of the country, rich in solar and wind energy resources, has become the fastest region in developing new energy storage in

the country, with 10.3 million kilowatts of new energy storage installed capacity put into operation so far, accounting for 29.2 percent of the country's total, it said.

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.”

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China Focus: New energy-storage industry booms amid ...

May 24, 2024 · By the end of the first quarter of 2024, the cumulative installed capacity of new energy-storage projects in China had reached 35.3 million kW. This marks an increase of ...

WoodMac: 1.8 GW of US Energy Storage Projects Delayed in ...

The U.S. energy storage market shrank in the first quarter of 2023, with grid-scale installations dropping 21%, a new report says.



Analysis on Recent Installed Capacity of Major ...

Sep 15, 2023 · In the first quarter, 1.4 GW of installed capacity from the 1.8 GW backlog of projects were postponed to the second quarter, with an additional ...

CNESA Global Energy Storage Market Tracking

Nov 16, 2024 · China EPC bidding update of 2024 Q3: Bidding reaches record high, energy storage system bid prices hit historic lows In the first three ...



China's energy storage capacity expands to support low ...

BEIJING, April 29 (Xinhua) -- China's energy storage capacity has further expanded in the first quarter amid the country's efforts to advance its green energy transition. By the end of March, ...

China emerging as energy storage powerhouse

May 22, 2024 · The nation's energy storage capacity further expanded in the first quarter of 2024 amid efforts to advance its green energy transition, with ...



Standalone energy storage systems account for ...

Apr 28, 2025 · Standalone Energy Storage Systems (ESS) are becoming the backbone of India's utility-scale ESS



auctions, accounting for 64% of the total
 ...

Clean Energy Pipeline Grows to \$328 Billion, with ...

May 29, 2025 · The 115 project phases that came online in Q1 total \$10 billion of private investment into the U.S. energy infrastructure. Record-Breaking
 ...



Biggest projects in the energy storage industry in 2024

Dec 25, 2024 · Following similar pieces in 2022/23, we look at the biggest energy storage projects, lithium and non-lithium, that we've reported on in 2024.

US Energy Storage Growth Suffers Despite ...

Jul 27, 2025 · Energy storage expansion in the US slowed in the first quarter of 2023 despite an increase in future projects, with capacity additions

dropping ...



China steps up new energy storage construction

Apr 29, 2024 · By the end of the first quarter of 2024, the cumulative installed capacity of new energy storage projects in China has reached 35.3 million kW ...

Strong growth continues for energy storage market in Q1

Jun 25, 2025 · The report shows that the U.S. energy storage market added more than 2 GW across all segments in the first quarter this year, marking the highest Q1 on record. The utility ...



First Quarter Energy Storage Orders: What's Fueling the 2025 ...

If the energy storage industry had a holiday season, it'd be Q1 2025. Just 45 days into the year, global storage orders have already surpassed 100 GWh - that's

enough to power 10 million ...



DTE Energy opens RfP for 450 MW of standalone ...

Mar 17, 2025 · Detroit-based energy company DTE Energy (NYSE:DTE) is seeking to contract battery energy storage capacity from roughly 450 MW of ...



Global Energy Transition Needs US\$1.2 Trillion Battery Storage

Aug 18, 2025 · Global investments of around US\$1.2 trillion in battery energy storage systems (BESS) will be required by 2034 to support the addition of more than 5,900 gigawatts (GW) of ...

Corporate funding in energy storage rises 432% in Q1 driven ...

Apr 23, 2024 · The global energy storage industry saw \$11.7 billion in total corporate funding during the first quarter of 2024, marking a 432% increase over

the first quarter of 2023, ...



esVolta Lands \$243 Million Investment To Power ...

Jan 28, 2025 · Representational image. Credit: Canva esVolta, LP, a leading developer and operator of utility-scale battery energy storage projects across ...

Greece's Metlen wins EPC gigs for energy ...

Mar 5, 2025 · These contracts, signed in early 2025, involve the implementation of 190.5 MWp of solar power capacity and over 2,500 MWh of battery energy ...



China's energy storage capacity expands to support low ...

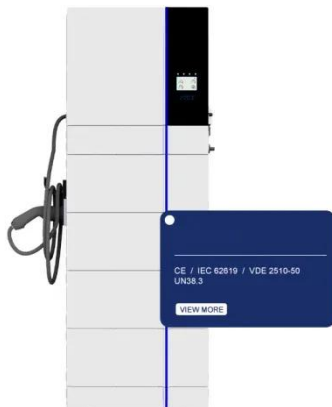
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the end of March, China's installed ...

REPORT: Energy Storage Market Continues ...

Jun 25, 2025 · HOUSTON/WASHINGTON, D.C. June 25, 2025 -- According to the new U.S. Energy Storage Monitor developed by Wood Mackenzie and the ...



Q1 2025 Buildout Report: How quickly is BESS coming online ...

This article provides an update on the progress of battery energy storage projects in the NEM: what projects came online in the first quarter of 2025, how the remainder of the pipeline is ...

China's energy storage capacity expands to ...

Apr 29, 2024 · [PHOTO by SHEN DONGBING/FOR CHINA DAILY] BEIJING - China's energy storage capacity has further expanded in the first quarter

amid ...



Energy storage growth stalled in early 2023, ...

Jun 20, 2023 · Researchers tracked a 26% decrease in new energy storage projects in the first quarter compared with the previous quarter.

New energy-storage industry booms amid China's green drive

May 24, 2024 · By the end of the first quarter of 2024, the cumulative installed capacity of new energy-storage projects in China had reached 35.3 million kW. This marks an increase of ...



US utility-scale energy storage to double, reach ...

Jun 10, 2025 · Utility-scale battery storage in the United States is poised to more than double over the next two years and will close out 2026 at nearly

65 GW ...



ERCOT was 70% of US battery storage ...

May 30, 2023 · The 190MW/380MWh Cunningham BESS, acquired by Acciona in late 2022 and commissioned in the first three months of 2023. Image: Acciona ...



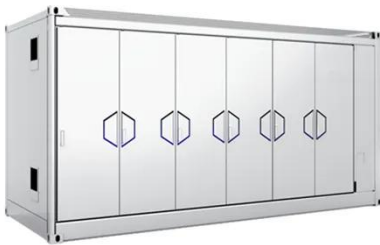
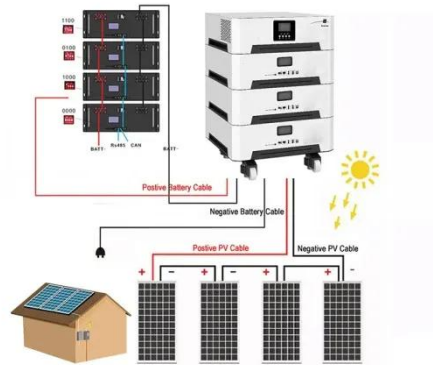
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China's energy storage capacity expands to support low ...

Apr 29, 2024 · At the beginning of this year, the NEA has released a list of 56 new-type energy storage pilot demonstration projects, including 17

lithium-ion battery projects and 11 ...



Energy Vault bags 2.8GWh awards, reveals Kore ...

May 10, 2023 · A render of the Energy Vault's Resiliency Center, it's gravity-based energy storage solution, next to a solar PV array. Image: Energy Vault. ...

Biggest projects in the energy storage industry in 2024

Dec 25, 2024 · Honourable mentions here include the largest sodium-ion BESS at 100MW/200MWh and the first large-scale project using Energy Vault's gravity energy storage ...



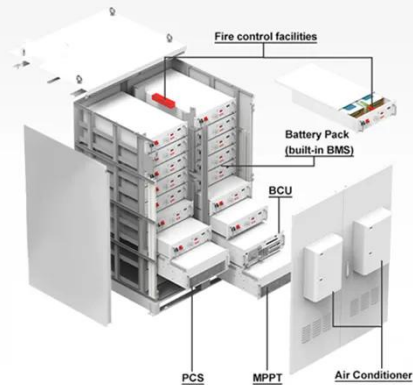
Supply chain a factor in slowdown for US energy storage ...

Jun 15, 2023 · After a record-breaking year in 2022, the US energy storage industry has seen second successive quarter of declines in installation figures.



China's energy storage capacity expands to support low ...

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