

## SolarInvert Energy Solutions

# Energy storage battery inventory 2025



## Overview

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In 2025, capacity growth from battery storage could set a record as operators report plans to add 19.6 GW of utility-scale battery storage to the grid, according to our January 2025 preliminary electric generator inventory data. How much battery storage will the US have in 2025?

It initially set its new energy storage target for 2025 at 30 GW but reached that milestone two years early. By comparison, the U.S. had 26 GW of utility-scale battery storage at the end of 2024, and its planned capacity would bring that to just over 46 GW by the end of 2025, according to the U.S. Energy Information Administration.

How big will energy storage be in 2025?

BloombergNEF forecasts a record 94 GW (247 GWh) of utility-scale storage in 2025—a 35% rise—driven by China’s storage mandates. US tariffs, policy shifts and LFP dominance will drive growth to 220 GW/972 GWh by 2035. The global energy storage sector is on track for another record year in 2025 as utility-scale projects expand into new regions.

Will battery storage set a record in 2025?

In 2025, capacity growth from battery storage could set a record as operators report plans to add 19.6 GW of utility-scale battery storage to the grid, according to our January 2025 preliminary electric generator inventory data.

Is energy storage on track for a record year in 2025?

The global energy storage sector is on track for another record year in 2025 as utility-scale projects expand into new regions. BloombergNEF (BNEF) forecasts that developers will add 94 gigawatts (247 gigawatt-hours) of battery capacity this year, a 35% increase over 2024 and the highest annual total to date (excluding pumped hydro).

What is the future of battery energy storage?

Demand for energy storage continues to escalate, the global battery energy storage (BESS) landscape is poised for significant installation growth and technological advancements.

How much battery capacity will developers add in 2035?

BloombergNEF (BNEF) forecasts that developers will add 94 gigawatts (247 gigawatt-hours) of battery capacity this year, a 35% increase over 2024 and the highest annual total to date (excluding pumped hydro). Through 2035, BNEF expects the market to grow at a 14.7% compound annual rate, reaching annual additions of 220 GW/972 GWh.

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### Global Energy Storage to Hit 94 GW in 2025, Says BNEF

BloombergNEF forecasts a record 94 GW (247 GWh) of utility-scale storage in 2025--a 35% rise--driven by China's storage mandates. US tariffs, policy shifts and LFP ...

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### Future of Energy Storage Systems

Explore the future of energy storage systems and the top battery technology trends for 2025 shaping sustainability, efficiency, and power resilience.

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## Energy Storage Battery Shipments 2025: Market Trends, Top ...

Global energy storage battery shipments are projected to reach 392 GWh in 2025, up from 314.7 GWh in 2024 [2] [9]. That's like replacing every AA battery in your junk drawer ...

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## Energy Storage in 2025: What's Hot and What's Next?

These advancements are vital in industries such as manufacturing, services, renewable sources, and portable electronics. So read on and dive deep into the dynamic world ...

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## Artificial Intelligence Models Improve Efficiency of Battery

NREL's battery researchers are turning to cutting-edge artificial intelligence models to optimize battery performance for a new generation of energy storage. Photo by Werner ...

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Application scenarios of energy storage battery products

## Potise Unveils Comprehensive 2025 Guide to Battery Energy ...

6 hours ago· What is a Battery Energy Storage System (BESS) and why is it crucial in 2025? BESS technology is revolutionizing how we generate, store,



and use energy, helping ...

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## The European Energy Storage Inventory: A comprehensive ...

The European Commission officially introduced the "European Energy Storage Inventory" at the beginning of March 2025-a pioneering real-time dashboard, which for the first ...

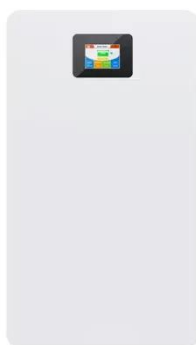
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## Key Trends Shaping Battery Energy Storage in 2025

In 2025, improvements in energy density and streamlined AC configurations will help offset potential cost increases from protectionist ...

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## Top Energy Storage & Batteries companies in Canada by Inventory

This ranking features the top 4 Energy Storage & Batteries companies in Canada ranked by Inventory, totaling a Inventory of USD 1.29 B, for February 15,

2025.

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### **US developers plan to add 15GW of utility-scale ...**

A recently commissioned BESS in Texas, where around half of all new utility-scale additions are planned between now and the end of 2025. ...

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### **Global Energy Storage to Hit 94 GW in 2025, Says BNEF**

BloombergNEF forecasts a record 94 GW (247 GWh) of utility-scale storage in 2025--a 35% rise--driven by China's storage mandates. US tariffs, policy shifts and LFP ...

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### **2025 Predictions for the Energy Storage Sector Following a ...**

Energy storage deployment across North America broke records in 2024, driven by falling battery prices, increased system efficiencies, and growing market



opportunities. ...

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## Energy Storage in 2025: What's Hot and What's Next?

These advancements are vital in industries such as manufacturing, services, renewable sources, and portable electronics. So ...

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## China aims to nearly double battery storage by 2027 in \$35 billion ...

2 hours ago· China is looking to almost double its so-called new energy storage capacity to 180 gigawatts (GW) by 2027, according to an industry plan announced by authorities on Friday.

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## Monthly Energy Storage Industry Report: U.S. and ...

In Europe, demand for residential storage has weakened as the region continues to deplete its inventory. For example, the German market is ...



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## Potise Unveils Comprehensive 2025 Guide to Battery Energy Storage

6 hours ago · What is a Battery Energy Storage System (BESS) and why is it crucial in 2025? BESS technology is revolutionizing how we generate, store, and use energy, helping ...

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## European Market Outlook for Battery Storage 2025-2029

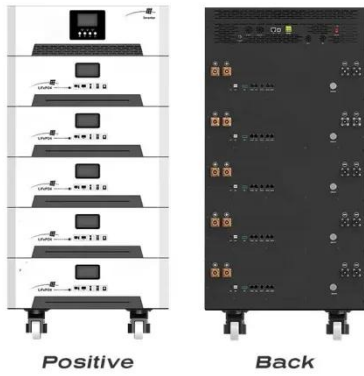
European Market Outlook for Battery Storage 2025-2029 7 May 2025 The report explores trends and forecasts across residential, commercial & industrial (C& I), and utility ...

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## Energy Storage Research , NREL

NREL's multidisciplinary research, development, demonstration, and deployment drives technological innovation and commercialization of ...

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## U.S. battery capacity increased 66% in 2024

In the United States, cumulative utility-scale battery storage capacity exceeded 26 gigawatts (GW) in 2024, according to our January 2025 Preliminary Monthly Electric ...

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## Applications



## SMM Lithium Battery Inventory Cycle Index: Market Barometer

What is the SMM Lithium Battery Inventory Cycle Index? The SMM Lithium Battery Inventory Cycle Index represents a groundbreaking analytical tool designed to transform how ...

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## The battery revolution

Please refer to the methodology section at the end of the report for more details on the research methodology.  
Capgemini Research Institute 2025  
Capgemini Research Institute 2025  
Rising ...

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## e-STORAGE Launches FlexBank 1.0, an 8.36 MWh Energy Storage ...

KITCHENER, ON, Sept. 4, 2025  
/PRNewswire/ -- Canadian Solar Inc. (the "Company" or "Canadian Solar ") (NASDAQ: CSIQ) today announced that e-



STORAGE, which is part of the ...

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## Preliminary Monthly Electric Generator Inventory (based on Form ...

The monthly survey Form EIA-860M, Monthly Update to Annual Electric Generator Report supplements the annual survey form EIA-860 data with monthly information that ...



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PUSUNG-R (Fit for 19 inch cabinet)



## U.S. battery capacity increased 66% in 2024

In 2025, capacity growth from battery storage could set a record as operators report plans to add 19.6 GW of utility-scale battery storage to the grid, according to our ...

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## Surge in Demand for Energy Storage Cells in 2025: From ...

In recent industry research, several insiders revealed that since the start of 2025, many leading battery

manufacturers, including CATL and Yiwei Lithium Energy, have had their ...

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### **EIA Predicts Significant Growth in Battery Storage By ...**

The EIA reports that battery storage will reach about 30 gigawatts (GW) by the end of 2025. The Electric Generator Inventory surveys allow ...

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### **Key Trends Shaping Battery Energy Storage in 2025**

In 2025, improvements in energy density and streamlined AC configurations will help offset potential cost increases from protectionist policies. The 5 MWh container equipped ...



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