

JH Solar

Energy storage sector map



Overview

What is the growth rate of the energy storage industry?

The energy storage industry recorded an annual growth rate of 5.69% with sustained market momentum of innovation, global demand, and clean energy policies. The market is valued at USD 288.97 billion in 2025 and is projected to reach USD 569.39 billion by 2034 with a 7.87% compound annual growth rate (CAGR) for 2025–2034.

What types of energy storage are included?

Other storage includes compressed air energy storage, flywheel and thermal storage. Hydrogen electrolyzers are not included. Global installed energy storage capacity by scenario, 2023 and 2030 - Chart and data by the International Energy Agency.

Where will stationary energy storage be available in 2030?

The largest markets for stationary energy storage in 2030 are projected to be in North America (41.1 GWh), China (32.6 GWh), and Europe (31.2 GWh). Excluding China, Japan (2.3 GWh) and South Korea (1.2 GWh) comprise a large part of the rest of the Asian market.

What is the energy storage Grand Challenge?

This report, supported by the U.S. Department of Energy's Energy Storage Grand Challenge, summarizes current status and market projections for the global deployment of selected energy storage technologies in the transportation and stationary markets.

What is the energy storage heatmap?

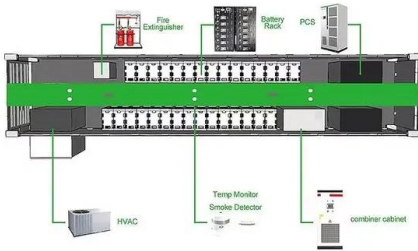
The energy storage heatmap captures 2250+ startups operating out of a total 19 830+ companies. Over the past year, the industry grew by 5.69% with an increase in talent and investment. Further, the companies in the energy storage sector filed for 980 000+ patents and received 5218 grants for

research, development, and commercialization.

Where are energy storage innovation clusters located?

At the city level, innovation clusters around Shenzhen, London, Melbourne, Sydney, and New York City reflect both established powerhouses and rising players in the energy storage race. The energy storage industry recorded an annual growth rate of 5.69% with sustained market momentum of innovation, global demand, and clean energy policies.

Energy storage sector map



Energy Storage: 10 Things to Watch in 2024

By Yayoi Sekine, Head of Energy Storage, BloombergNEF Battery overproduction and overcapacity will shape market dynamics of the energy storage sector in 2024, pressuring prices and providing headwinds ...

Energy Storage Market Report 2025 , StartUs Insights

The Energy Storage Market Report 2025 presents a detailed overview of firmographic trends, innovation intensity, and funding activity of the global energy storage sector.



Energy Storage System (ESS) Roadmap for India: 2019-2032 by ...

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Energy Storage Systems (ESS) Overview

3 ???· The challenge with Renewable Energy sources arises due to their varying nature with time, climate, season or geographic location.

Energy Storage Systems (ESS) can be used for storing available energy from ...



European Energy Storage Inventory , JRC SES

Explore the European Energy Storage Projects
Dive into the map of Energy Storage Projects using interactive tools and filter options by status, technology, subtechnology, and more.

[Energy Maps and Spatial Data](#)

California Energy Commission develops and maintains maps and spatial information on California's energy infrastructure and related activities. Explore maps, applications, and geographic datasets to uncover valuable ...



Top 10 Energy Storage Trends & Innovations , StartUs Insights

Curious about how emerging startups are powering the future of energy storage? In this data-driven industry research on energy storage startups & scaleups, you get ...

Global installed energy storage capacity by scenario, 2023 and 2030

Global installed energy storage capacity by scenario, 2023 and 2030 - Chart and data by the International Energy Agency.



Top 10 Energy Storage Trends in 2025 , StartUs ...

Are you curious about which energy storage trends & startups will impact your business in 2025? Explore our in-depth industry research on 1300+ energy storage startups & scaleups and get data ...

Summary of Global Energy Storage Market ...

Pumped hydro accounted for less than 70% for the first time, and the cumulative installed capacity of new energy storage(i.e. non-pumped hydro ES) exceeded 20GW. According to incomplete statistics ...



[Energy Storage Industry Report](#)

Discover the rapid growth and key trends in the multi-billion-dollar energy storage industry, projected to reach \$134B by 2031, driven by renewable energy advancements and technological innovations.

Energy Storage Grand Challenge Energy Storage Market ...

This report, supported by the U.S. Department of Energy's Energy Storage Grand Challenge, summarizes current status and market projections for the global deployment of selected energy ...

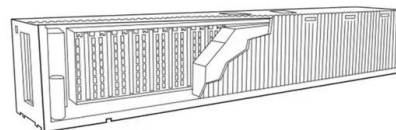


All Energy Infrastructure and Resources Interactive Map

- This interactive map of the United States features all energy infrastructure and resources.
- Items featured on the map include power plants, pipelines

Biggest projects in the energy storage industry in 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.



Consortium for Battery Innovation , » Energy storage

CBI Battery Match Find your lead battery match CBI has developed an online tool allowing customers in the energy storage sector, from utility and renewable energy companies to systems integrators, to easily find ...

EIA

This battery storage update includes summary data and visualizations on the capacity of large-scale battery storage systems by region and ownership type, battery storage co-located systems, applications served by battery ...



Storage Futures , Energy Systems Analysis , NREL

In this multiyear study, analysts leveraged NREL energy storage projects, data, and tools to explore the role and impact of relevant and emerging energy storage technologies ...

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

Battery storage. 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 ...



Q& A: How China became the world's leading ...

China's energy storage sector is rapidly expanding. As a solution to balancing the country's growing energy needs and mass renewable energy production, the industry has attracted investments ...

Database of the European energy storage technologies and facilities

- Behind the meter energy storage: Installed capacity per country of all energy storage systems in the residential, commercial and industrial infrastructures. The purpose of this database is to ...



2025 Renewable Energy Industry Outlook

Long-duration energy storage (LDES): Regardless of the trajectory of these policy and technology outcomes, green hydrogen would retain its primary use case in the power sector as LDES, among other emerging storage ...

Global Energy Storage Market Outlook

Mainland China's energy storage market took off in 2022, driven by policy mandates and large-scale tenders Data compiled February 2023. Source: S& P Global Commodity Insights. ...



EICAssetMap

EICAssetMap tracks operational assets from all energy sectors, including upstream, midstream, downstream, power, nuclear and renewables. The easy map-based search is ideal for O& M ...

Energy Storage Market

The energy storage market is a rapidly evolving sector, crucial for the integration of renewable energy sources and the stabilization of power grids. Our concept map provides a ...



US Energy Atlas

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Statewide Energy Storage Projects

Based on interconnection data and data collected by NYSERDA's Retail and Bulk Energy Storage incentive programs, this map represents the installed energy storage capacity, number of ...



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