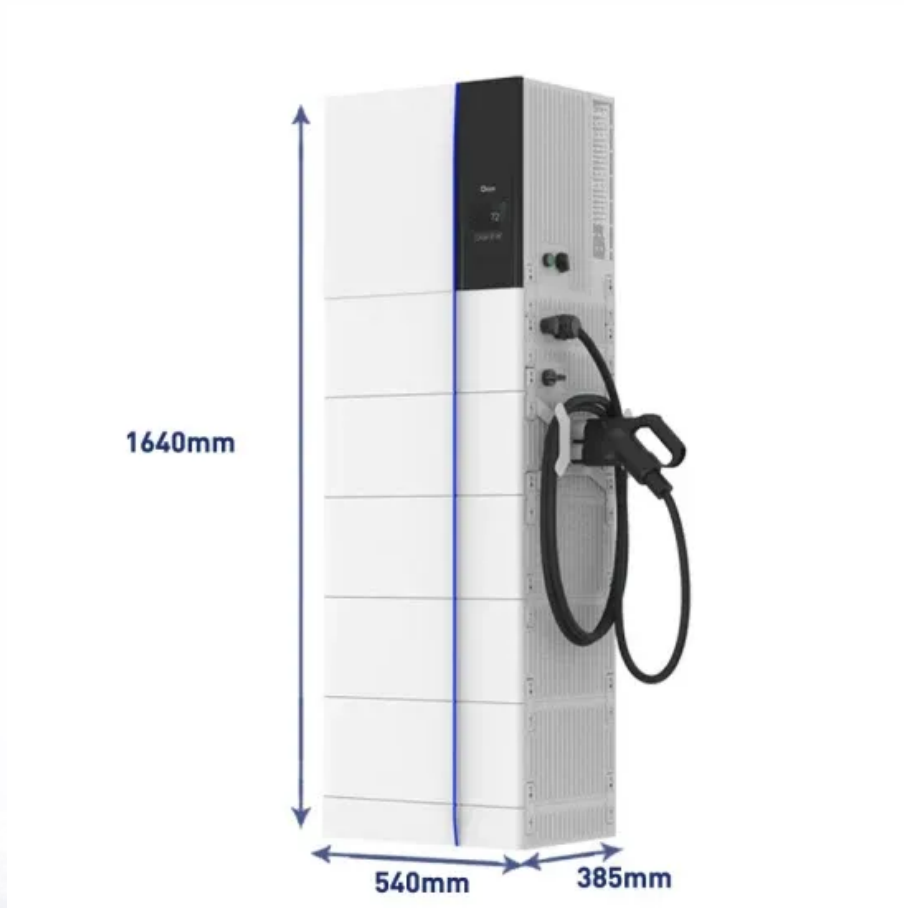


World ranking of new energy storage countries



Overview

This infographic ranks countries by their share of current production capacity for four types of next-gen batteries. These include solid-state, sodium-ion, redox-flow, other lithium-metal batteries, and metal-air chemistries.

This infographic ranks countries by their share of current production capacity for four types of next-gen batteries. These include solid-state, sodium-ion, redox-flow, other lithium-metal batteries, and metal-air chemistries.

This graphic highlights the top 20 BESS markets by current and planned grid capacity in gigawatt hour (GWh), based on exclusive data from Rho Motion as of February 2025. As with the EV market, China currently dominates global BESS deployments, accounting for approximately two-thirds of installed.

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.

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.

This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. The data can be further refined based on region, technology or year of interest.

The Energy Institute's annual Statistical Review of World Energy reveals the grid storage battery capacity of every country in 2023. This treemap, created in partnership with the National Public Utilities Council, visualizes which countries had the most grid-scale battery energy storage systems.

Over the past three years, the Battery Energy Storage System (BESS) market has been the fastest-growing segment of global battery demand. These systems store electricity using batteries, helping stabilize the grid, store

renewable energy, and provide backup power. In 2024, the market grew by 52%.

World ranking of new energy storage countries



2023 energy storage installation outlook: China, US, and Europe

As of the first half of 2023, the world added 27.3 GWh of installed energy storage capacity on the utility-scale power generation side plus the C& I sector and 7.3 GWh in ...

Energy storage capacity target by country, Statista

The most important statistics Global additions of energy storage capacity 2010-2024 Energy storage capacity 2030, by world region Global ...



1Q25 Global energy storage system (ESS) shipment ranking: ...

InfoLink Consulting has released its 1Q25 global energy storage system (ESS) shipment ranking, based on its energy storage supply chain database.

Ranking the Top Four Battery Storage World Powers

The race to install battery storage is heating up,

with four powers fighting for dominance as costs fall and the need for backup for wind and solar installations increases.

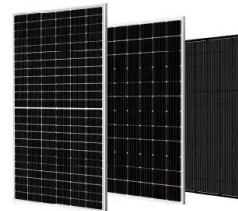


Grid Storage Battery Capacity by Country in 2023 , NPUC

The Energy Institute's annual Statistical Review of World Energy reveals the grid storage battery capacity of every country in 2023. This treemap, created in partnership with the ...

World ranking of energy storage

The energy storage system market doubles, despite higher costs. The global energy storage market will continue to grow despite higher energy storage costs, adding roughly ...



World Energy Outlook 2024 - Analysis

The IEA's flagship World Energy Outlook, published every year, is the most authoritative global source of energy analysis and projections. It identifies and ...

2H 2023 Energy Storage Market Outlook

By Helen Kou, Energy Storage, BloombergNEF
 Three years into the decade of energy storage, deployments are on track to hit 42GW/99GWh, up 34% in gigawatt hours from ...



National Energy Storage Base Ranking: Who's Leading the ...

Ever wondered where the world's energy future is being physically stored? As renewable energy adoption skyrockets, national energy storage bases have become the ...

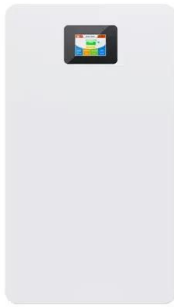
Summary of Global Energy Storage Market Tracking (Q2 2023)

Figure 2: Cumulative installed capacity of new energy storage projects commissioned in China (as of the end of June 2023) In the first half of 2023, China's new ...



Which are the top 20 countries for battery energy ...

The energy storage market has grown hugely in recent years, and is projected growing in coming year with growth across all major regions



Global energy storage

Global energy storage capacity outlook 2024, by country or state Leading countries or states ranked by energy storage capacity target worldwide in 2024 (in gigawatts)



Energy storage capacity to see robust uptick

New energy storage, or energy storage using new technologies such as lithium-ion batteries, liquid flow batteries, compressed air and mechanical energy, is an important ...

Battery Capacity Rankings by Country in 2023

This treemap, created in partnership with the National Public Utilities Council, visualizes which countries had the most grid-scale battery energy storage systems (BESS) in ...





Tesla takes Sungrow's crown as lead global producer of battery energy

Tesla has overtaken Sungrow as lead producer in the battery energy storage system (BESS) integrator market with a 15% market share in 2023, according to Wood ...

Charted: Battery Capacity by Country (2024-2030)

Charted: Battery Capacity by Country (2024-2030) As the global energy transition accelerates, battery demand continues to soar--along with ...



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.

CNESA Officially Released the 2024 China Energy Storage Vendor Rankings

On April 10, 2025, the 13th Energy Storage International Conference and Expo (ESIE 2025), jointly hosted by the China Energy Research Society, the China Energy Storage Alliance ...



18650 3.7V
RECHARGEABLE BATTERY Li-ion
2000mAh



2025 Energy Storage Installed Capacity Ranking: Who's Leading ...

Let's face it--energy storage isn't exactly the sexiest topic at your average dinner party. But in 2025, it's become the Swiss Army knife of the clean energy revolution. With ...

World's energy storage market triples in 2023

The global energy storage market nearly tripled in 2023, recording its largest year-on-year rise, and is set for continued strong growth, ...



Country leads way in new energy storage

Capable of harnessing the power of nature and storing and releasing energy as needed, the structure -- Fengning Pumped Storage Power Station -- is known as the world's ...

Charted: Battery Capacity by Country (2024-2030)

Charted: Battery Capacity by Country (2024-2030) This was originally posted on our Voronoi app. Download the app for free on iOS or Android and discover incredible data ...



Country Rankings

This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. The data can be further refined based on region, technology or year of ...

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