



Solar energy storage data

What is the market size of solar energy storage?

The market size for solar energy storage reached USD 46.7 billion in 2022 and is set to witness 15.6% CAGR from 2023 to 2032 due to the rising introduction of stringent regulations to promote environment sustainability. What is the value of the 2,501 to 5,000 kW solar energy storage industry?

How many GW of solar & battery storage will be added in 2024?

Together, solar and battery storage account for 81% of the expected total capacity additions, with solar making up over 50% of the increase. Solar. In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year.

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.

What are the different types of energy storage technologies?

Pumped hydro, batteries, hydrogen, and thermal storage are a few of the technologies currently in the spotlight. The global battery industry has been gaining momentum over the last few years, and investments in battery storage and power grids surpassed 450 billion U.S. dollars in 2024. Find the latest statistics and facts on energy storage.

The global solar energy storage market was valued at USD 93.4 billion in 2024. The market is expected to reach USD 378.5 billion in 2034, at a CAGR of 17.8%, driven by growing energy demand across ...

The following resources provide information on a broad range of storage technologies.

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

Find the latest statistics and facts on energy storage.

The U.S. energy storage industry installed 57.6 GWh of new capacity in 2025, the largest single year of new battery capacity additions on record. Energy storage installations grew 30% from ...

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 growth in 2024 ...

Overview Berkeley Lab collects project-level data on distributed* solar photovoltaic (PV) and distributed PV+storage systems in the United States Latest data update includes project-level ...

Data References SEIA/Benchmark Mineral Intelligence Energy Storage Market Outlook. IREC, National



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Solar Jobs Census. SEIA Supply Chain Dashboard.

Gain a deeper understanding of the energy transition to solar and energy storage technology with analysis, forecasts and insights from S& P Global.

For solar-plus-storage--the pairing of solar photovoltaic (PV) and energy storage technologies--NLR researchers study and quantify the economic and grid impacts of distributed and ...

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