

# Asia's energy storage battery capacity

What is the global battery storage power capacity?

The global battery storage power capacity is set for remarkable growth, with projections indicating a surge from 52 gigawatts in 2022 to an impressive 945 gigawatts by 2050. This exponential increase reflects the rising importance of energy storage in the transition to cleaner and more sustainable power systems worldwide.

How much battery capacity does China have in 2023?

China has nearly half the world's grid storage battery capacity and keeps growing at a breakneck pace. From 2022 to 2023, the country added over 19 gigawatts of storage to its grid, moving from 7.8 to 27.1 GW. The U.S. also significantly increased its capacity in 2023, moving from 9.3 to 15.8 GW.

Which countries have the most grid-scale battery energy storage systems 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 2023. China has nearly half the world's grid storage battery capacity and keeps growing at a breakneck pace.

How many energy storage battery companies are there in China?

According to incomplete statistics, there are more than 50 lithium energy storage battery enterprises in China at present.

How many GW of battery storage will be needed by 2030?

According to the International Energy Agency, 1,300 GW of battery storage will be needed by 2030 to support the renewable energy capacity required to meet the 1.5°C global warming target. But how close is the world to reaching that target?

How many GW of battery storage will be needed in 2023?

The International Energy Agency estimates that 1,300 GW of battery storage will be needed by 2030 to support the renewable energy capacity required to meet the 1.5°C global warming target. Despite ongoing regulatory challenges, such as inadequate environmental protection, the total global grid storage battery capacity in 2023 reached 55.7 GW.

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