

European energy storage sector ranking

Which energy storage technology is the most popular in Europe?

Pumped hydro is the most widely used technology for energy storage in Europe and worldwide, but batteries and hydrogen have come into the spotlight over the last decade as a recent trend in the energy storage market.

Where is the battery storage market in Europe?

*In the European Market Outlook for Battery Storage, the Europe region refers to the EU-27 + the UK + Switzerland. Spain analysis from the report Last year Spain installed less than 250 MWh of batteries (14th biggest market in Europe 2024).

How many battery energy storage systems were installed in Europe in 2024?

21.9 GWh of battery energy storage systems (BESS) was installed in Europe in 2024, marking the eleventh consecutive year of record-breaking installations, and bringing Europe's total battery fleet to 61.1 GWh. However, the annual growth rate slowed down to 15% in 2024, after three consecutive years of doubling newly added capacity.

What percentage of Europe's energy storage capacity is pumped hydro?

However, despite an exponential growth in Europe's battery energy storage capacity, which reached 36 gigawatt-hours in 2023, pumped hydro still accounted for 90 percent of the electricity storage capacity in the European Union that year.

Which country has the largest hydro storage capacity in Europe?

Because of water resources availability and tailored energy policies, Germany, Italy, and Spain accounted for the largest pumped hydro storage capacity in the region, ranging between over nine gigawatts in Germany and 5.6 gigawatts in Spain in 2023. Discover all statistics and data on Energy storage in Europe now on [statista.com](https://www.statista.com)!

Why is battery storage so important in Europe?

The recent electricity outage in the Iberian Peninsula is a stark reminder of why this is important." The BESS market in Europe is set to grow faster in the next years, although not at the levels required. In the most-likely scenario for 2025, 29.7 GWh of battery storage will be installed in Europe, representing a 36% annual growth.

According to InfoLink's global lithium-ion battery supply chain database, energy storage cell shipment reached 114.5 GWh in the first half of 2024, of which 101.9 GWh going to ...

The world shipped 196.7 GWh of energy-storage cells in 2023, with utility-scale and C& I energy storage projects accounting for 168.5 GWh and 28.1 GWh, respectively, ...

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