

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.

How big is Europe's energy storage capacity in 2024?

This report highlights Europe's rapid expansion in energy storage capacity, which reached 89 gigawatts (GW) by the end of 2024. In 2024, EASE has been instrumental in shaping policies for the evolving energy storage sector.

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)!

What is Europe's energy storage ambition?

Recording of the EMMES 8.0 launch webinar "Europe's Energy Storage Ambition: Charging Towards 2030 Targets" is available here. EASE has compiled analyses of measures for energy storage in the draft updated NECPs to point out their strengths and weaknesses, based upon the Commission's Recommendations for Energy Storage.

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.

Where does SSE Renewables operate?

SSE Renewables operates across the United Kingdom, Ireland, Continental Europe, and Japan. ENGIE UK is a utility company and Independent Power Producer (IPP) specializing in renewable energy generation, flexible energy storage, and energy supply solutions for businesses.



European energy storage system enterprise ranking



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