

Large-scale energy storage projects in Southern Europe





Overview

Who is leading energy storage innovation in Europe?

Here Tamarindo's Energy Storage Report highlights those players that have been at the forefront of storage innovation in Italy, Germany, Spain, France and Ireland in recent months.

Why is energy storage growing so fast in Europe?

The fleet of energy storage projects in Europe, including both pumped hydro and battery energy storage systems of all sizes, is expanding rapidly. This growth is set to continue at a strong pace through 2030, fueled by technological advancements, supportive policies, and other key factors.

What are the leading storage technologies in the EU?

Here's a breakdown of some of the leading storage technologies: **Battery Storage Capacity:** Battery storage capacity in the EU has seen rapid growth, with more than 10 GW installed as of recent years. As of 2024, the market continues to expand, especially in countries with high renewable energy penetration, like Germany, Spain, and the Netherlands.

Which countries are pioneering large-scale storage solutions?

Countries like Germany, Denmark, and Sweden are pioneering large-scale storage solutions that integrate seamlessly with their expanding renewable energy networks. The European Union's commitment to energy independence and sustainability has catalyzed groundbreaking projects across the continent.

How is the EU advancing energy storage technologies?

The EU is advancing several key projects and initiatives in the energy storage field to boost renewable energy integration, stabilize the grid, and support clean energy goals. These initiatives and projects highlight the EU's commitment to advancing energy storage technologies and integrating



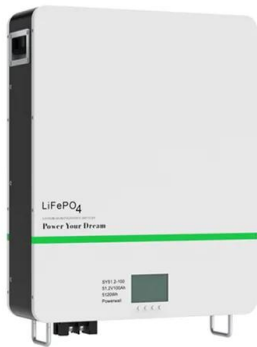
renewables into the energy grid.

How big is energy storage in Europe in 2024?

Pumped-hydro storage (PHS) dominated the market, accounting for 53 GW of total capacity. Meanwhile, electrochemical storage reached 35 GW, with many installations in homes and businesses. Large-scale thermal projects accounted for around 1 GW. The rate of energy storage adoption varied across European countries in 2024. Image: EASE



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Year it contributes to meeting renewable targets across Europe. We will assess the landscape for new installations, project design with an eye on collocation of storage, green hydrogen or ...

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Highvoltage Battery



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The European Commission has also pledged significant funding for energy storage projects through programs like the Horizon Europe fund, which allocates extensive sums to ...

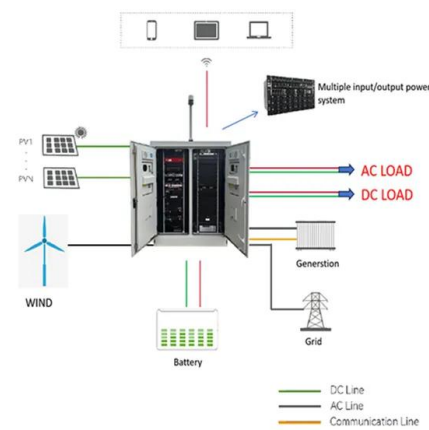
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[HyperStrong partners with Repono to advance energy storage in Europe](#)

China-based BESS solutions provider HyperStrong and Repono, a Swedish developer of large-scale energy storage projects, have formalised their strategic collaboration ...



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[New EU Tool Tracks Real-Time Energy Storage Across Europe](#)

A new interactive platform--the European Energy Storage Inventory --has been launched to provide near real-time insights into energy storage deployment across the EU, ...

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Whether it's grid-side storage in Germany, capacity market projects in the UK, or solar-plus-storage systems under construction in Southern Europe, the demand for battery ...

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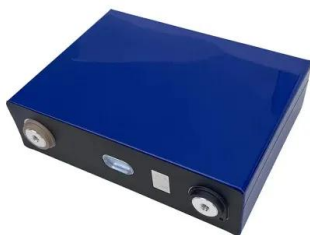




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With a proven track record and deep industry expertise, REIB continues to support investors and developers, helping them manage risks in large-scale BESS projects and ...

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[UK battery storage operators commission 427MW in August](#)

Aerial view of the 300MW/600MWh Thurrock battery energy storage system project. Image: Statera Energy The UK had one of its best months of the year for large-scale BESS ...

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[European Energy launches first Danish battery project...](#)

Project to provide operational experience for European Energy in integration of battery solutions. Copenhagen, Denmark, 20th of January 2025 ...

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[Polish utility plans to add 10 GWh of energy storage ...](#)

Polish utility PGE Group is planning to add more than 80 energy storage facilities through to 2035 to the tune of PLN 18 billion (\$4.7 billion). ...

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[Who are the key players driving EU storage deployment in 2024?](#)

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[7 Game-Changing Energy Storage Technologies Reshaping Europe...](#)

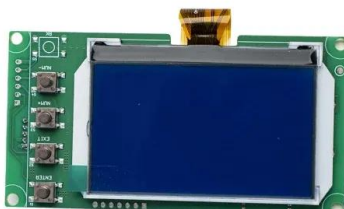
Research institutions across Europe are developing next-generation storage technologies, including advanced flow batteries, compressed air energy storage, and ...

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Bulgaria: Large-scale battery energy storage project Hithium has agreed to supply the battery products to a 55 MWh energy storage project, for which Solarpro is providing turnkey EPC ...

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[European Energy breaks ground on 3.75-MW BESS in Denmark](#)

Danish renewables company European Energy A/S has begun construction of its first large-scale battery energy storage system (BESS) project in Denmark, seeking to install ...

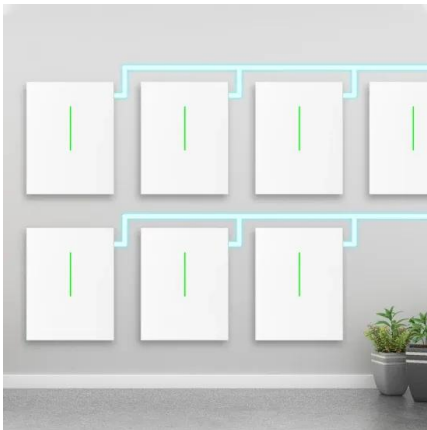
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With a strong track record and a BESS portfolio of 7 GW in development across Europe, Return is focused on bringing this capacity ...

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From the UK to the UEA and USA to Australia, Energy Digital Magazine runs through 10 of the most impressive energy storage projects worldwide Energy storage plays a ...

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[CIP and GCSS to oversee 2.3 GW battery storage \(BESS\) projects ...](#)

GCSS is an energy partnership between renewable-energy-invested companies - Ikigai Energy and Agnoli Giuggioli. The first of the battery storage projects will break-ground ...

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[Key Projects, Initiatives and Market , JRC SES](#)

The EU is expected to reach gigawatt-scale hydrogen storage capacity by 2030, driven by green hydrogen projects in Germany, the Netherlands, and Spain, where it can be used both as a ...

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