

# **Is home energy storage common in the EU**





## Overview

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The European home energy storage market is expected to exceed €7 billion by 2025, with over 3 million households projected to have installed battery systems. This shift is not just a personal investment—it's part of a continental transformation toward localized, decentralized energy systems. Is the home storage market growing in Europe?

The market for home storage is growing at a record pace across Europe. For example, in its latest market study for residential energy storage, SolarPower Europe calculates an increase in storage capacity of 71% (3.9 GWh) in the most likely scenario for the past year.

Which country installs the most energy storage systems in Europe?

Germany leads residential storage installations in Europe. In 2023, the country installed 555,000 units of residential energy storage systems. This marked a remarkable 166% year-on-year growth. These installations constituted 52.6% of new installations across Europe. In Germany, homes with a PV-battery system are on average 70% self-sufficient.

Why is energy storage important in the EU?

It can also facilitate the electrification of different economic sectors, notably buildings and transport. The main energy storage method in the EU is by far 'pumped hydro' storage, but battery storage projects are rising. A variety of new technologies to store energy are also rapidly developing and becoming increasingly market-competitive.

What is the European Commission doing about energy storage?

The European Commission in 2020 published a study on energy storage, which summarized some previous studies and reports, explored current and potential energy storage markets in Europe, and set out policy and regulatory 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.

What is the future of energy storage in the UK?

The UK's energy storage market continues to experience strong growth. In 2024, operational capacity of energy storage resources was 4.6 GW/5.9 GWh, which was projected to increase to 7.4 GW/11.6 GWh by the end of 2024. Moreover, the future looks promising, with total planned capacity for energy storage projects of 85 GW/175 GWh.



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### [The largest home energy storage markets in Europe](#)

The European home storage market is currently experiencing a growth trend that is expected to continue across the continent in the coming years. Despite economic uncertainties, the energy ...

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### **Residential Batteries are Establishing their Role in European ...**

In 2023, Europe saw the installation of over 17 GWh of new battery energy storage system (BESS) capacity, marking the third consecutive year of doubling the annual market. ...

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### **U.S. Grid Energy Storage Factsheet**

Electrical Energy Storage (EES) refers to systems that store electricity in a form that can be converted back into electrical energy when needed. 1 Batteries are one of the most common ...

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### [Record Growth for Home Storage Market in Europe](#)

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## **Why More European Households Are Installing Home Energy Storage ...**

Across Europe in 2025, home energy storage systems are becoming a vital part of modern households. Driven by high electricity prices, a surge in solar panel installations, growing eco ...

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## **European Market Outlook for Residential Battery Storage 2021-2025**

The European Market Outlook for Residential Battery Storage 2021-2025 provides insights into the growth and future prospects of home battery storage in Europe.

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## [EUPD Research publishes Electrical Energy Storage ...](#)

Bonn, Germany, January 28, 2025 - EUPD Research is pleased to announce the publication of the Electrical Energy Storage Report Europe© H2 2024, offering ...

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## [Home storage grows across Europe in first half of 2025](#)

Demand for residential battery storage systems with up to 20 kWh of capacity remained stable in Europe in the first half of 2025. However, the picture is mixed.

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## **New report: European battery storage grows 15% in 2024, EU energy**

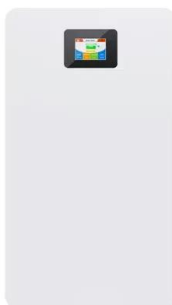
21.9 GWh of battery energy storage systems (BESS) was installed in Europe in 2024, marking the eleventh consecutive year of record breaking installations, and bringing ...

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## **Energy policy: general principles , Fact Sheets on the European Union**

EU energy policy is based on the principles of decarbonisation, competitiveness, security of supply and sustainability. Its objectives include ensuring the functioning of the energy market ...

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## **Energy Storage Legislation Updates in the European Union and ...**

Discover the evolving policies and regulations of the European Union and United Kingdom, with both issuing landmark legislation in the energy storage.

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