

Europe offline installation of home energy storage power stations

How many new battery energy storage systems will be installed in Europe?

The latest analysis by SolarPower Europe shows that 17.2 gigawatt hours (GWh) of new battery energy storage systems (BESS) will be installed in Europe in 2023, supplying 1.7 million additional European households with electricity - an increase of 94% compared to 2022.

How can European policymakers help the battery storage sector?

Recommendations How can European policymakers help the battery storage sector Battery storage systems are essential for strengthening the EU's energy security and competitiveness by enhancing flexibility, providing ancillary services to secure the grid, maximising the use of renewable energy, and effectively dealing with energy price volatility.

Are large battery storage systems gaining ground in Europe?

Solar park, substation and battery storage facility in Brandenburg/Germany. The European market for battery storage systems is growing rapidly; solar home storage systems have dominated until now. But now there is a change. Large batteries are gaining ground - but are still being held back by regulatory hurdles.

What is the market outlook for battery storage in Europe?

According to the "European Market Outlook for Battery Storage 2024-2028" by SolarPower Europe, battery storage systems with a capacity of 35.8 GWh were installed in the EU at the end of 2023. In addition to photovoltaics, growth was primarily driven by home batteries.

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 will the European battery storage market grow in 2028?

For the years 2024 to 2028, SolarPower Europe forecasts further growth in the European battery storage market, albeit at a slightly lower level, to a total capacity of 78 GWh in 2028. The industry association expects annual market growth of 30% to 40%, which will be driven primarily by large-scale battery storage systems.

Our five-year outlook foresees significant BESS expansion in Europe - a sixfold increase to nearly 120 GWh by 2029, driving total capacity to 400 GWh, yet falls short of energy transition needs.

A report from Solar Power Europe urges policymakers to prioritize battery storage through an EU Energy Storage Action Plan to ensure grid flexibility, especially after the Iberian ...



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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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