



WALMER ENERGY

# Battery storage capacity in the EU





## Overview

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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.

How big is battery storage in Europe?

According to the report, total operational battery storage capacity in the EU reached 49.1 GWh by the end of 2024. Across greater Europe, the figure rose to 61.1 GWh. One thing is clear: the growth of battery storage systems in Europe is unfolding at different speeds across countries.

How much battery storage will Europe have in 2025?

In the most-likely scenario for 2025, 29.7 GWh of battery storage will be installed in Europe, representing a 36% annual growth. By 2029, the report anticipates a sixfold increase to nearly 120 GWh, driving total capacity to 400 GWh (EU-27: 334 GWh).

Does Europe have a battery storage market?

Europe's battery storage market faces global competition. China led installations in 2023 with 35 GWh deployed, backed by large subsidies and supply chain dominance. The United States aims to deploy 700 GWh of energy storage capacity by 2030, as recommended by the Solar Energy Industries Association (SEIA).



## Battery storage capacity in the EU

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European battery storage fleet expected to grow 45% year ...

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Energy storage in Europe

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European battery storage to rise 45% in 2025 to 16 GW

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