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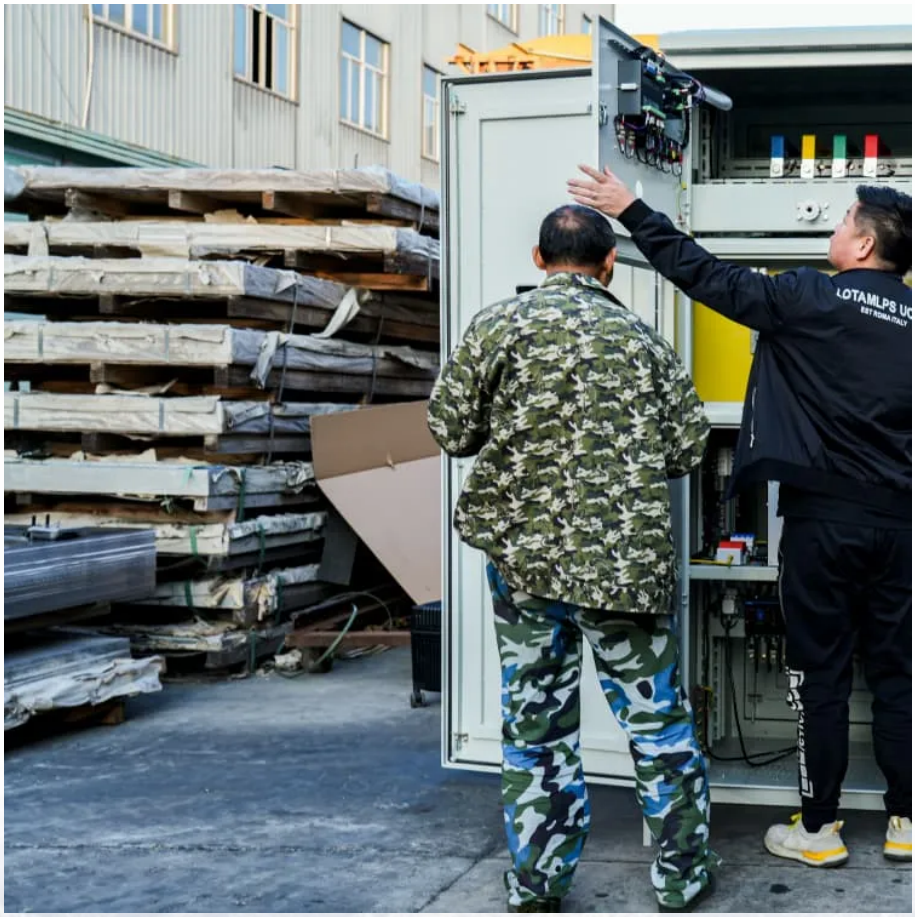
The efficacy of European imported energy storage batteries



Overview

Can battery energy storage solve Europe's energy challenges?

In order to deploy renewables and to release their potential for ensuring a stable and secure energy supply, Europe needs to work to overcome the intrinsic limits of renewables. One solution to these challenges is Battery Energy Storage.

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.

What are the benefits of battery energy storage in Europe?

Increasing the use of renewables in the energy mix allows energy imports to be reduced, with clear benefits for Europe’s energy independence and security. The decarbonisation of the energy mix and reductions in overall CO2 emissions are other clear, positive outcomes of an increased use of Battery Energy Storage in Europe.

Can battery energy storage help decarbonise the European energy mix?

One solution to these challenges is Battery Energy Storage. Technology advancements, social needs and market demand are rapidly making batteries an attractive solution for decarbonising the European energy mix.

When was battery storage installed in Europe?

of battery storage capacity was installed in Europe at the end of 2023. Your expert for questions The European energy landscape is undergoing a profound change: the driver of this development is the ever-faster integration of renewable energy sources in order to reduce carbon emissions and achieve

climate targets.

Why is battery production important for the EU?

Batteries, widely used in the transport and energy sectors, are central to the global energy system. They will be key to the EU's clean energy transition, industrial future and strategic autonomy. Boosting the industrial base for battery production is therefore a key task for the EU.

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