

ContainerPower Energy Solutions

France sells energy storage power



Overview

How much battery capacity does France have?

In France, the current storage capacity includes nearly 5 GW of pumped hydro storage and 1 GW in battery systems. As flexibility needs grow in line with the energy transition, Clean Horizon estimates that battery capacity in the country will reach 6 GW by 2030.

How important is battery storage in Poland?

Poland has seen spectacular growth in the energy storage market, with contracted capacity increasing from 165 MW in 2022 to more than 2.5 GW in 2024. This dynamic reflects the growing importance of battery storage in managing renewable energies and stabilising the electricity grid, particularly in the context of the energy transition.

How big will battery capacity be in France by 2030?

As flexibility needs grow in line with the energy transition, Clean Horizon estimates that battery capacity in the country will reach 6 GW by 2030. The storage business model in France is currently based largely on system services, in particular aFRR. But in the medium term, arbitrage on the wholesale markets will take over.

What is electricity storage & why is it important?

Electricity storage plays a key role in balancing power grids, providing flexibility to grid operators. In France, the current storage capacity includes nearly 5 GW of pumped hydro storage and 1 GW in battery systems.

What is the European energy storage inventory?

The Commission's European Energy Storage Inventory can help address this gap within Europe. Launched in March 2025, it is the first European-level tool of its kind, providing a real-time dashboard of energy storage levels in Europe, offering energy storage data across a full range of technologies.

Why is electricity storage a strategic source of revenue?

By storing electricity produced when it is abundant (and cheap) and feeding it back into the grid when demand is high (and therefore at higher prices), storage is becoming a strategic source of revenue. Several countries are actively supporting this dynamic through targeted measures.

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