

PDEOZE PowerContainer

Portugal Behind-the-meter Energy Storage Project



Overview

Portugal will launch a competitive tender for 750 MVA of battery energy storage before January 2026, as part of a broader €400 million package aimed at improving grid reliability and preventing future blackouts. How can Portugal achieve 80% renewable electricity by 2026 & 85% by 2030?

This initiative supports Portugal's goal of 80% renewable electricity by 2026 and 85% by 2030. In 2024, renewable energy contributed 71% to Portugal's electricity, marking a record 36.7 TWh. The energy storage projects will help stabilize the electricity grid and contribute to a greener, more sustainable energy transition.

How many energy storage projects will Portugal support in 2025?

Portugal's Ministry of Energy has allocated €100 million to support 43 energy storage projects, scheduled for completion by the end of 2025. These projects were selected from 79 applications under the country's Recovery and Resilience Plan (RRP), with eligible projects able to receive up to €30 million in funding.

Can storage replace thermal generation in Portugal?

The pursuit of economic viability by storage facility owners will inherently lead to charging during low-cost hours and discharging during hours that are more economically attractive. Storage can replace thermal generation in constraint markets, easing the grid and supporting Portugal's 2040 phase-out target.

What is a battery energy storage project?

The battery energy storage project utilizes Powin's Centipede Stack750 and a power conversion system from Hitachi Energy, underscoring the importance of partnership between global companies in supporting Europe's energy transition.

Will energy storage projects help stabilize the electricity grid?

The energy storage projects will help stabilize the electricity grid and contribute to a greener, more sustainable energy transition. Portugal's Ministry of Energy has allocated €100 million to support 43 energy storage projects, scheduled for completion by the end of 2025.

Is Europe ready for energy storage?

Europe is expected to deploy over 90 GWh of utility-scale battery energy storage projects by 2030, and we are well positioned to support this demand along with the wider EMEA region's rapid energy storage growth," said Powin CEO, Jeff Waters.

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