

ContainerPower Energy Solutions

Portugal puts into operation its first energy storage power station



Overview

The collaboration between Galp and Powin has begun the installation of a large-scale battery energy storage system in Alcoutim, a small town located in the sunny Algarve region of southern Portugal. Why is Portugal launching a solar energy storage project?

This initiative aims to enhance the flexibility and stability of Portugal's power supply system amid its record-breaking solar electricity production. On July 31, the ministry announced the allocation of €99.75 million through a call for tenders to install energy storage projects totaling 500 MW.

What does Portugal's energy policy mean for the energy sector?

The Portuguese Ministry of Energy has allocated €100 million for grid flexibility and energy storage projects to be completed by the end of 2025. This initiative aims to enhance the flexibility and stability of Portugal's power supply system amid its record-breaking solar electricity production.

How much money does Portugal need to modernise its electricity grid?

Portugal: Portugal has unveiled a \$480 M (€400 M) investment package to modernise its electricity grid and significantly expand battery energy storage systems (BESS), following a major Iberian blackout earlier this year.

What is Portugal's Energy Strategy?

The strategy includes a target of 20.4 GW of operational PV systems by 2030, comprising 14.9 GW of large-capacity plants and 5.5 GW of decentralized generation. Additionally, Portugal has launched its first tender for biomethane and green hydrogen as part of this comprehensive energy strategy.

Will minhéu be the largest pumped-hydro station in Portugal?

If built, it would be the largest pumped-hydro station in Portugal. The Minhéu project is designed to complement Iberdrola's Alto Tâmega hydroelectric complex by increasing the system's energy efficiency and storage capacity. It

includes construction of a reservoir in the Cumeada area on Monte de Minhéu, hydraulically linked to the Alto Tâmega dam.

Is Iberdrola planning a pumped-hydro storage project in Portugal?

Iberdrola has started approval processes for a 1.32 GW pumped-hydro storage project in Portugal. The Proyecto de Aprovechamiento Hidroeléctrico de Minhéu is set to become the country's largest facility of its kind once completed. From pv magazine Spain

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