

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.

How many hybrid storage projects are being deployed in Portugal?

Additional hybrid capacity is being deployed, namely by Iberdrola, Greenvolt, Akuo, EDP and GALP, supported by Portugal's Recovery and Resilience Plan (PRR) programme under the "Flexibility and Storage" incentive call. Under this PRR scheme, 41 projects were approved, totalling around 500 MW of new storage capacity and EUR 99.75 million in grants.

Why is storage important in Portugal?

Storage provides real-time flexibility, enabling participation in balancing markets and maintaining grid stability and inertia, especially in Portugal where these markets are growing. Despite the increase in interconnection capacity between Spain and Portugal, it could experience congestions during non-solar hours.

How much electricity does Portugal generate in 2025?

In the period from January to August 2025, Portugal generated 33,107 GWh of electricity, with renewables accounting for 76.9% of total generation--the fourth-highest share in Europe, following Norway, Denmark, and Austria.

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Battery energy storage systems have become an indispensable core component of Portugal's energy transition. To enhance energy security and reduce electricity costs, energy storage ...

Storage can replace thermal generation in constraint markets, easing the grid and supporting Portugal's 2040 phase-out target. Storage facilities can effectively deliver essential ...

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Global energy storage platform provider Powin LLC and Galp, Portugal's leading integrated energy company, have partnered to install a utility-scale battery energy storage system ...

StorSystems is driving the Portuguese energy transition by developing, building, and operating advanced battery storage systems.

PORTUGUESE STORAGE AS OF TODAY Portugal's energy-storage market is entering a new stage of

maturity, combining grid-scale standalone batteries and hybrid (co-located) systems ...

A render of the solar PV plant and Powin's BESS unit. Image: Business Wire. System integrator Powin has been enlisted by oil, gas and renewable energy firm Galp to install a battery ...

MeterBoost is a Portuguese manufacturer that specializes in innovative Lithium energy solutions, particularly for energy storage and renewable applications. Their focus on advanced battery

Global energy storage supplier Powin LLC and Portuguese integrated energy company Galp have partnered to install a utility-scale battery energy storage system (BESS) in Algarve, Portugal.

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