

# **Portugal Energy Storage Integration Project**





## Overview

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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 (BESS) at one of Galp's solar power plants near Alcoutim, a small village in the country's sunny southern region of the Algarve, where Galp operates several projects with a combined capacity of 144 MW. How much will Portugal spend on energy storage projects in 2025?

Portugal's Ministry of Energy has announced that it has allocated EUR 100 million (\$104.2 million) to 43 energy storage projects which should be installed by the end of 2025. A total of 79 applications were vying for grant support secured under the country's Recovery and Resilience Plan (RRP).

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.

What does Portugal's energy storage tender mean for the energy transition?

Portugal's government has announced the outcome of an energy storage tender that will see the installation of 500 MW of energy storage capacity to support the country's energy transition. Energy storage battery. Photo by Anna Vasileva.

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.



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### Portugal's Green Energy Revolution: A Renewable Future

While hydropower provides a substantial portion of Portugal's renewable energy, its dominance presents both opportunities and challenges. The existing infrastructure offers a ...

### Portugal Awards Grants to 500 MW of Energy Storage Projects

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### Portugal to hold energy storage auction before January 2026

Portugal will launch a competitive tender for 750 MVA of battery energy storage before January 2026, as part of a broader EUR400 million package aimed at improving grid ...

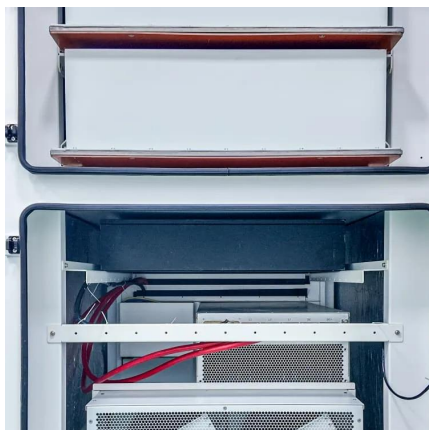
### [Portugal Takes Bold Steps Toward 85% Renewable ...](#)

Portugal's ambitious renewable energy goals, which target 85% renewable electricity





generation by 2030, provide a strong backdrop for this ...

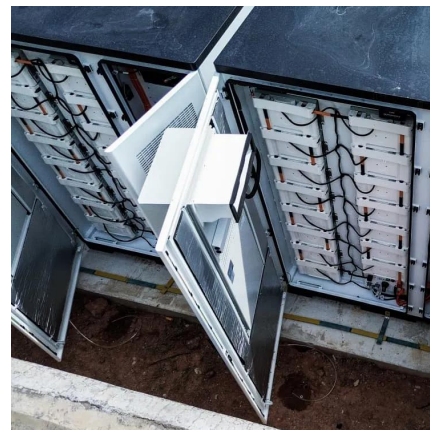


## Portugal's Renewable Sector Attracts Larger Investment as ...

The renewable energy landscape in Portugal is moving into a new phase, marked by stronger commitments from international investors and the integration of storage ...

## Galp and Powin to build large-scale energy storage system in ...

Alcoutim is Powin's inaugural project in Europe, which is poised to be a pivotal growth market for energy storage. This project and partnership, combined with Powin's ...



## [Portuguese tender supports 500 MW of energy ...](#)

The successful projects will together add at least 500 MW of energy storage to the public electricity grid. The call for proposals, which is ...



## Galp and Powin install a large-scale energy storage system in ...

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 ...



## [Portugal Finances 500 MW of Energy Storage](#)

The Portuguese Ministry of Energy has allocated EUR100 million for grid flexibility and energy storage projects to be completed by the end of 2025. This initiative aims to enhance ...

## Galp and Powin to build large-scale energy storage system in Portugal

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## Portugal commits \$480 M to grid and storage , Switchgear Magazine

Portugal: Portugal has unveiled a \$480 M (EUR400 M) investment package to modernise its electricity grid and significantly expand battery energy storage systems (BESS), ...



## Energy storage competition will support 41 projects

The initial results of the tender, which is part of the Recovery and Resilience Plan (PRR) and received 79 applications, indicated support for 43 projects. Spanish company ...



## Galp and Powin install a large-scale energy storage system in Portugal

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 ...

## Portugal's Renewable Sector Attracts Larger Investment as Storage

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## Case studies on hybrid pumped hydro energy storage systems

Energy storage is an energy supply strategy that adds up to the solution stream to meet the increasing energy demand. One of the traditional and more mature energy storage ...

## How Battery Storage Could Have Prevented Spain's 2025 Blackout

On April 28, 2025, a catastrophic blackout hit Spain and Portugal, plunging millions into darkness. Hospitals scrambled for backup power, trains stopped, and businesses lost billions. It was one ...



## TNERC Approves 1000 MWh Battery Storage Projects To Boost ...

2 days ago · Tamil Nadu approves 1000 MWh BESS projects at six substations to stabilize grid and enhance renewable energy integration.

## The role of pumped hydro storage in the Portuguese National ...

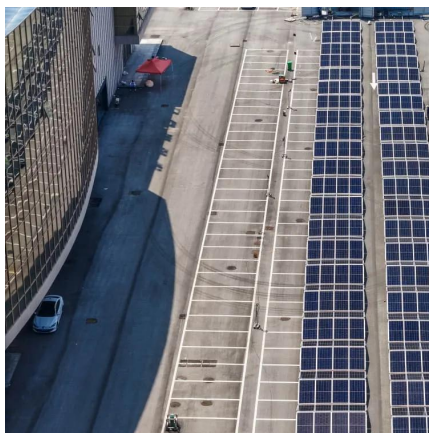
Finally, the study estimates the value of electricity storage in the day-ahead market, providing new insights for policymakers, energy stakeholders, and researchers working in the ...





### **Portugal allocates EUR100 million in grants for energy ...**

Portugal is looking to support at least 500MW of energy storage capacity via grant support using EU-wide funding.



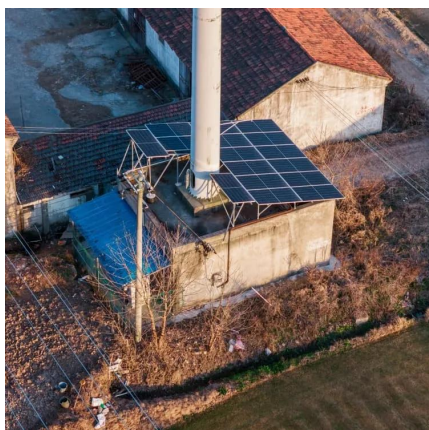
### **Renewable Energy 2024**

The renewable energy sector in Portugal remains robust and continues to grow, particularly in solar PV and emerging sectors such as ...



### **Portugal awards grants to 500 MW of energy storage projects**

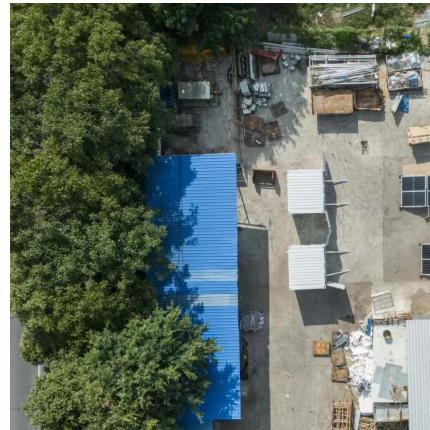
A total of 43 projects were selected from 79 applications in Portugal's 2025 energy storage procurement. This included six projects from Spain's Iberdrola, which secured nearly ...





## **Portugal to invest EUR400m in grid upgrades and BESS after blackout**

Portugal has announced plans to invest EUR400 million to improve its grid management capabilities and increase its battery storage capacity.



## **Portuguese tender supports 500 MW of energy storage projects**

The successful projects will together add at least 500 MW of energy storage to the public electricity grid. The call for proposals, which is part of the country's Recovery and ...

## **EMPOWERING THE ENERGY STORAGE SECTOR IN PORTUGAL ...**

R& D Nester is mainly involved in the pillar IV "Integration and applications", by addressing the system and market integration of distributed storage within the Business Project "Optimized ...



## **Portugal allocates EUR100 million in grants for energy storage**

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### Portugal energy storage research and development

The NGS (New Generation Storage) project is an innovation pact composed of 47 companies and entities aimed at developing a new energy storage concept in the field of BESS (Battery ...



### BigBATT - Large-scale Battery Deployment in EDP

The BigBATT project will deploy a large-scale Battery Energy Storage System (BESS) at Carregado, adjacent to the Ribatejo Combined Cycle Gas Turbine (CCGT) in ...

### **Galp and Powin join forces for a major energy storage project in**

In Short : Galp, a Portuguese energy company, and Powin, an energy storage solutions provider, have partnered for a major energy storage project in Portugal. This ...





### [Portugal Finances 500 MW of Energy Storage](#)

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