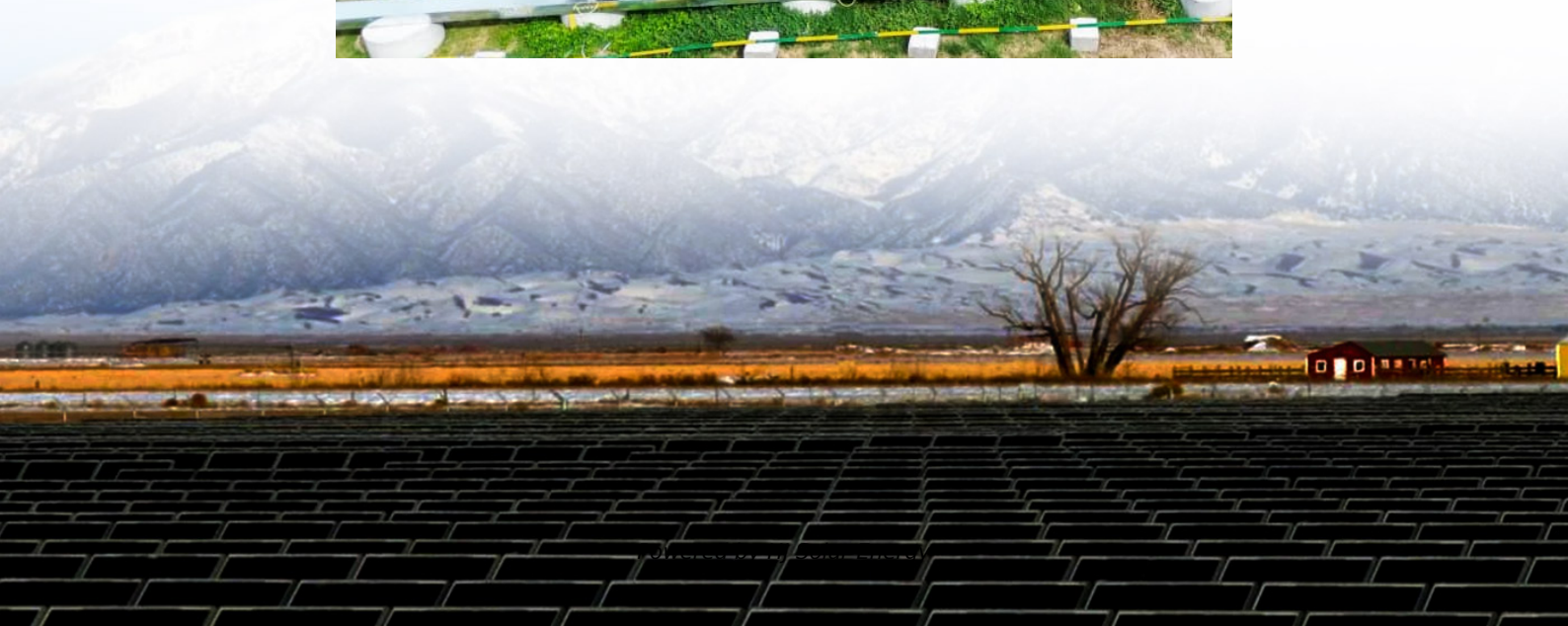


# **Expected ROI of BESS project in Portugal 2026**





## Overview

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What factors affect the ROI of a Bess?

External Factors that influence the ROI of a BESS The cost of electricity, including peak and off-peak rates, significantly impacts the ROI. Energy storage systems can store cheaper off-peak energy for use during expensive peak periods.

Does greenvolt have a Bess project in Portugal?

Greenvolt and Galp have both deployed 5MW BESS projects in Portugal in the past. In eastern Europe, Moldova is in the process of completing a bidding process for the procurement of a 75MW BESS and 22MW internal combustion engine (ICE) project, called the Moldova Energy Security Project (MESA).

Does powin have a Bess project?

Carroll noted that Powin also recently announced a project with Pulse Clean Energy, an investor, developer, and operator of flexibility and stability assets in the UK, “to deploy a 50-MW/110-MWh BESS on project Overhill, located in Scotland.”.

Which companies are investing in Portugal's power infrastructure?

Several companies are investing in the country’s power infrastructure, including Powin, an Oregon-headquartered energy storage platform provider that has partnered with Galp, a leading Portuguese integrated energy group, to install battery energy storage systems (BESSs).

How to assess the financial viability of a Bess?

To accurately assess the financial viability of a BESS, several key indicators are used. This is a list of the main indicators we need to know and understand in order to assess the ROI. Here, we explain briefly what each one means:  
Total Cost of Ownership (TCO) The comprehensive cost of owning and operating the ESS over its entire life cycle.



Does Ardian have a Bess project in Finland?

Ardian's announcement of its BESS project in Finland comes on the heels of the group's purchase of two Finnish wind farms last year with more than 27 MW of combined generation capacity. The BESS installation is a joint venture between Ardian's ACEEF and Lappeenranta Energia, a Finnish municipal energy company.



## Expected ROI of BESS project in Portugal 2026

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### Big opportunities for BESS in 2025

In September, Scotland's Energy Consents Unit approved one of the UK's largest BESS projects to date, our 700MW Auchentiber BESS, in Port Glasgow. In 2025, we anticipate further consents for large-scale projects, ...

### [The rise of bankable BESS projects in Europe](#)

As the renewable energy sector rapidly evolves, battery energy storage systems (BESS) are emerging as a critical pillar for decarbonization. However, with capital constraints and rising market



### Big opportunities for BESS in 2025

In September, Scotland's Energy Consents Unit approved one of the UK's largest BESS projects to date, our 700MW Auchentiber BESS, in Port Glasgow. In 2025, we ...



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

The plan also includes the launch of an auction for large-scale BESS capacity by 2026, as well as EUR25 million in financial support to improve the



resilience of critical ...



### [Update on Italian BESS investment case & MACSE ...](#)

Italian BESS investors are now focusing on business models & MACSE bidding strategy 2025 is set to see the start of a surge in Italian storage asset investment, led by BESS. The catalyst for this is the implementation of ...

### **Understanding IRR Calculation for Battery Energy Storage Systems**

IRR Definition: Internal Rate of Return (IRR) represents the discount rate at which the Net Present Value (NPV) of a project's cash flows equals zero, offering insights into ...



### [Romania targets 5 GW of installed BESS capacity by ...](#)

Romania aims to have at least 2.5 GW of battery energy storage systems (BESS) in operation by next year and to surpass 5 GW of capacity by 2026 under a plan that is seen to help it cope with high energy ...





## Backup power for Europe

In part 1 of our series on backup power in Europe, we named Italy as one of the most attractive European countries for BESS investments. The Italian electricity sector is ...



## EDPR, Pacific Green & OX2 among BESS Polish auction winners

The projects awarded included a 60 MW / 241 MWh BESS project with COD expected in 2026, and a 100 MW / 400 MWh BESS project with COD expected in 2029. ...

## [New Subsidy schemes for Battery Energy Storage ...](#)

In autumn 2024 two draft regulations were published regarding state aid for large-scale electricity storage systems (BESS), one from the Modernisation Fund ("MF ") 1 - and the second under the National Recovery ...



## Understanding the Return of Investment (ROI) of Energy Storage ...

To accurately assess the financial viability of a BESS, several key indicators are used. This is a list of the main indicators we need to know and understand in order to assess the ROI.



### [How Italy is Driving BESS Investment](#)

The most relevant recent development for BESS operators in the Italian market is the introduction of MACSE. MACSE is a new capacity auction which offers 15-year contracts ...



### **Battery Storage Era: 5 Reasons BESS Is Supercharging the RE ...**

Battery costs have fallen down substantially by over 90 percent in recent years to make energy storage an attractive investment for the solar and wind project developers. ...

### [BESS Pros Survey: What Matters Most to BESS ...](#)

Executive Summary To gain insights into the most pressing concerns within the battery energy storage sector, we surveyed 83 engineers, technicians and asset managers for the "BESS ...



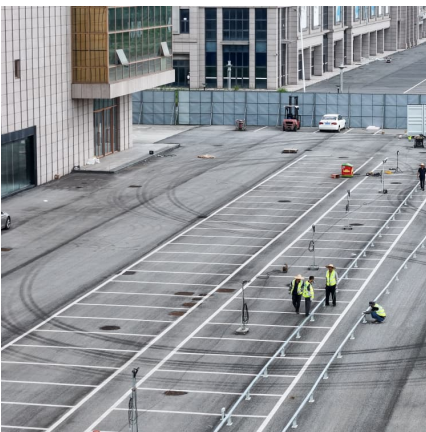


### Battery energy storage systems (BESS)

BESS projects can provide a reliable and cost-effective solution, but their full potential remains largely unexplored. To remedy this situation there is a need to focus significant effort on ...

### Aquila Clean Energy Secures Two BESS Projects in Portugal

Aquila Clean Energy EMEA Secures Two BESS Projects in Portugal  
Aquila Clean Energy EMEA has secured two Battery Energy Storage System (BESS) projects in Portugal's



### [Tips from an EPC to navigate complex BESS codes, ...](#)

He specialises in BESS project definition and preliminary engineering with an emphasis on consulting with manufacturers and clients for codes and standards compliance ...

### [The MENA region - the next hot market for energy ...](#)

The rapid growth rate of energy storage in the MENA region, led by the GCC, is surprising many analysts. Saudi Arabia, in particular, is set to be the third biggest global BESS market after the USA and China in 2026.



### 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 ...

### Italian 2027 Capacity Market Auction: MACSE's impact & the BESS ...

BESS dominates new capacity in latest Capacity Market auctions as the now confirmed MACSE shapes market dynamics, with CM marginal price equal to 47EUR/kW.

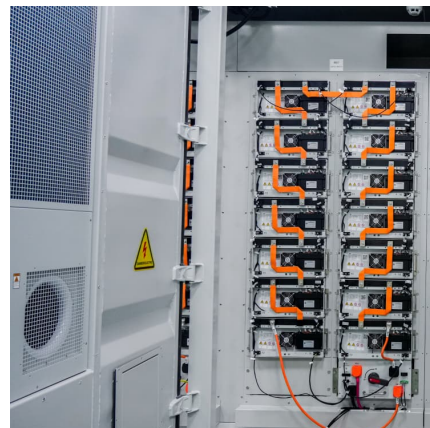


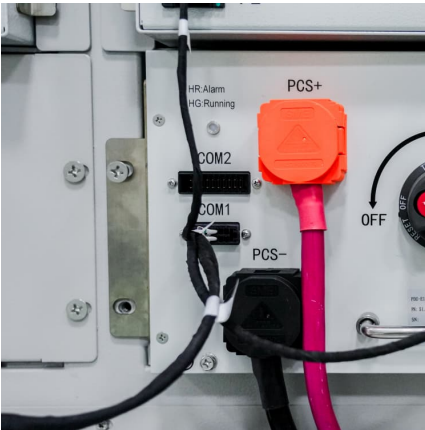
### [BYD to supply 1.6 GWh of battery storage for ...](#)

The Polish arm of Portugal's Greenvolt Group has joined hands with China's BYD on a 400 MW/1.6 GWh battery energy storage system (BESS) deployment in Poland.

### [White paper BATTERY ENERGY STORAGE SYSTEMS...](#)

The majority of newly installed large-scale electricity storage systems in recent years utilise lithium-ion chemistries for increased grid resiliency and sustainability. The capacity of lithium ...



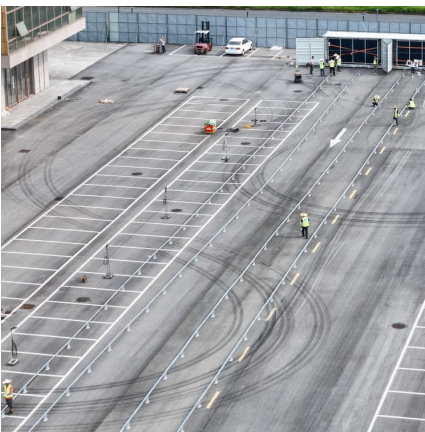


### [5 Reasons Why BESS Will Be a Focal Point of Energy ...](#)

The global energy storage market is expected to add over 220 GWh of new capacity in 2025, driven by a rise in tenders for BESS projects, many of which may be commissioned this year. India's BESS market is also ...

### [Maximising BESS Earnings: 5 Key Revenue Models](#)

Floors, revenue share, tolling, performance-based: discover the different BESS revenue strategies to maximise revenue and build bankable projects.



### **ACE Power wins nod for 1.4GW of BESS projects in Queensland**

Aussie renewable energy developer ACE Power said on Wednesday it has received EPBC clearance for two battery energy storage system (BESS) projects in ...

### **Portugal to invest EUR400 million into grid and BESS after Iberian**

The government of Portugal has announced plans to invest EUR400 million (US\$466 million) to improve its grid management capabilities and increase its battery energy storage system ...



### How is the USA driving change with Battery Energy Storage Systems (BESS)

Texas follows California with an installed battery storage capacity of 3.2 GW. Texas is expected to catch up quickly with California's progress, and developers are expected ...



### Reports on FCAS Events & BESS Investment Returns in Australia

Explore how FCAS events and Battery Energy Storage Systems (BESS) ensure grid stability and profitability in Australia's National Electricity Market.



### [UK: over 17GWh of BESS due to connect to grid in...](#)

The TEC register includes over 156GWh of uncompleted stand-alone battery sites, with an average capacity of 254 MWh. Although 60% have target connection dates beyond 2030, the movement of many projects on this ...





### [The MENA region - the next hot market for energy ...](#)

The MENA region is starting to witness a drastic increase in large-scale battery energy storage systems ("BESS") projects, accompanying a soaring penetration of renewable energy. This has happened at a pace, which ...

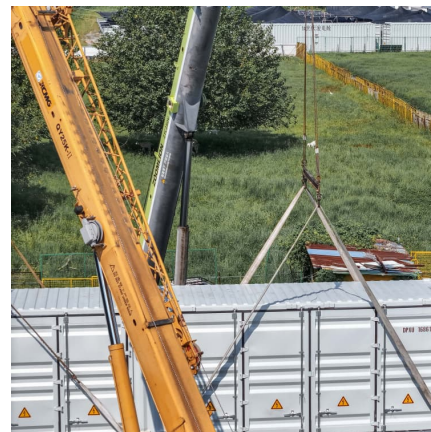


### **The Economics of BESS: Calculate ROI for Your Energy Storage**

Learn how to calculate the economics of BESS and your ROI. A practical guide for businesses and projects investing in battery energy storage systems.

### [Competitive Bidding for Battery Energy Storage ...](#)

The Ministry of Energy Transition and Water Transformation (PETRA), through the Energy Commission (EC), has launched an open bidding program for the acquisition of Battery Energy Storage System (BESS) capacity ...



### [Atlas Renewable Energy - Powered by Excellence](#)

Working with top international and national banks, the company secured \$510M for the construction of the Estepa Project in Chile. Santiago - April 21, 2025 - Atlas Renewable ...



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