

# Lithium ion storage project financing options in Portugal 2025

How much will Portugal spend on energy storage projects in 2025?

From ESS News Portugal's Ministry of Energy has announced that it has allocated EUR100 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).

How much lithium does Portugal have?

Portugal has noteworthy lithium (Li) resources (306 thousand tonnes- kt) that should be suitably assessed to realistically support an expected expansion of known reserves (ca. 53 kt Li), as reported in several studies (e.g. Dinis and Horgan 2018; Filipe et al. 2010).

Will China build a lithium battery factory for cars?

The project to build a lithium battery factory for cars owned by the Chinese company CALBin Sines, with 15 GWh (Gigawatts/hour) of energy storage, is launched...

Should lithium production be scaled up to sustain Bev market sustainability?

Lithium availability is increasingly seen as a threat to the sustainability of the transport sector, and it seems clear that Li production needs to be scaled up at unprecedented levels to sustain BEV market sustainability (Ballinger et al. 2019; Greim, Solomon, and Breyer 2020; Xu et al. 2020).

Does Portugal have enough Li resources?

Resource and reserve data combined with our demand models suggest that Portugal has sufficient Li resources to support its mobility transition (balancing with other metal needs) and further contribute at the EU level, as long as there is responsible management of the resources and investments in scaling production and processing facilities.

Why is lithium demand so high in 2024?

According to Gardiner, Jowitt, and Sykes (2024), lithium demand will soar primarily due to BEV demand and is considered critical because the market is still too small. However, its long-term criticality depends on advancements in recycling, alternative technologies, and the onstream of new lithium sources (Gardiner, Jowitt, and Sykes 2024).

The battery storage technologies do not calculate LCOE or LCOS, so do not use financial assumptions. Therefore all parameters are the same for the R& D and Markets & Policies Financials cases. The 2023 ATB represents cost and ...



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