



LOTWA SYSTEM

Lithium energy storage power supply price in Porto Portugal





Overview

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).

Should Portugal produce battery-grade Li-compounds?

Therefore, the production of battery-grade Li-compounds in Portugal would aid the EU in lessening its dependence on external sources for this strategic metal, assisting as well in increasing the domestic supply of raw materials for battery manufacturing. Portugal has been the sole European lithium producer since 2011 (USGS 2024).

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.

How will industrial-scale innovation impact the battery industry in Portugal?

The industrial-scale implementation of these innovations would allow other prospects in Portugal to be exploited, channelling, in part or totally, their production to the battery sector and likely increasing reserves up to 225 kt ().

4.4. Policy considerations



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