

Portugal Urban Energy Storage Cabinet Container





Overview

Should energy storage be democratised in Portugal?

Energy storage is therefore essential if EU targets are to be met. Portugal's installed energy storage capacity is still predominantly based on hydro pumping, which currently stands at 4,164 GW year. However, this paradigm is about to change with the democratisation of energy storage solutions through wind and solar production.

Why is energy storage important in Portugal?

therefore essential to meet European targets. Energy storage installed capacity in Portugal is still predominantly based on hydropower pumping, which is today over 3 GW, and will increase to 4,164 GW when the Alto-Tâmega dam is completed this year. However, this paradigm is about to shift with the democratization of energy storage.

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 GWh of electricity are generated in Portugal in 2023?

Between 1 January and 31 October 2023, 35,152 GWh of electricity were generated on the Portuguese mainland, of which 67.8 per cent came from renewable sources. The storage will be decisive for the long-awaited energy transition.



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Energy Storage Roadmap in Portugal

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