



**SolarTech Power Solutions**

# **Portugal Township Energy Storage Power Station**



## Overview

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What is the energy storage capacity in Portugal?

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 solutions with wind and solar production.

How much will Portugal spend on energy storage & grid flexibility?

The Portuguese Ministry of Energy has allocated €99.75 million (\$107.6 million) for grid flexibility and energy storage projects which should be installed by the end of 2025. From ESS News Portugal is seeking to promote flexibility and balance its power system with energy storage as it continues to break records for solar energy production.

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 storage important for the energy transition in Portugal?

With 21 318 GWh of electricity generated in Portugal between January and June 2022 - 57% of which of renewable origin - storage will be decisive for the much-desired energy transition for two major reasons. On one hand, storage will offset the intermittent generation of renewable energy.

What are some power stations in Portugal?

The following page lists some power stations in Portugal . / 38.675; -9.054 (Barreiro Thermal power station) / 40.340; -8.197 ( Aguieira Dam) / 41.872;

-8.204 ( Alto Lindoso Dam) / 41.739; -7.857 ( Alto Rabagão Dam) 68?

MW / 41.574639; -7.731111 ( Alto Tâmega Dam) / 38.195; -7.497 ( Alqueva Dam) / 41.300; -6.470 ( Bemposta Dam).

How does Portugal generate electricity?

Portugal relies on wind, solar and hydropower to generate its electricity supply. Since the turn of the millennium, the country has multiplied its capacity for wind-powered electricity generation. In 1998, Portugal had around 51 MW of installed capacity in its wind turbines, 18 years later it was already more than 5,000 MW.

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