

## A-Core Container

# Which is the largest energy storage power station in Portugal



## Overview

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The Tâmega hydroelectric complex in northern Portugal is one of the largest energy initiatives in the country's history and one of the largest energy storage facilities in Europe. Who opened Tâmega Giga battery in Portugal?

CEO of Iberdrola Ignacio Galán was joined by Portugal's Prime Minister, António Costa to officially open the project. Credit: Iberdrola Spanish utility Iberdrola has officially opened Tâmega Giga Battery in Portugal, touted as one of Europe's largest pumped storage hydroelectric facilities.

How much energy does Tâmega store?

The 1,158MW Tâmega facility is capable of storing 40 million kWh, equivalent to the energy consumed by 11 million people during a period of 24 hours. Located on the Tâmega river, the project consists of three power stations, namely Gouvães, Daivões and Alto Tâmega.

How much solar energy does Portugal need?

(Updated October 2024) Solar energy is becoming a more important part of the Portuguese energy mix. Solar installed capacity reached 1.03 GW by the end of 2020, accounting for 3.6 percent of the total production of power. Portugal established a target of 6.4 gigawatts of installed capacity by 2023, with a goal of 9 gigawatts by 2030.

What construction works are being done in Portugal?

Daivões construction works. Alto Tâmega construction works. The Tâmega giga battery will provide almost 900 MW of pumping capacity to the Portuguese electricity system, which is an increase of more than 30 % compared to the megawatt capacity available to the country today.

How many solar panels are installed in Portugal?

The entire work cost more than 250 million with more than 376,000 solar panels, the power plant has a capacity of 62 MWp. On fixed structures,

approximately 190,000 panels are installed, while 52 thousand Euro worth panels are installed on single-axis trackers. In Portugal, Galp begins construction on its first large-scale solar PV installation.

How much solar power will Portugal produce in 2023?

Solar installed capacity reached 1.03 GW by the end of 2020, accounting for 3.6 percent of the total production of power. Portugal established a target of 6.4 gigawatts of installed capacity by 2023, with a goal of 9 gigawatts by 2030. A plant in Coruche will generate seventy megawatt-hours each year.

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