



Solar power generation map of Portugal

Is solar power a growing source of energy in Portugal?

Solar power is a growing source in the Portuguese energy mix. At the end of 2020, solar power installed capacity totalled 1.03 GW and represented 3.6% of total power generation in 2020. Portugal has set a goal of between 8.1 GW and 9.9 GW in installed capacity by 2030.

How much solar power does Portugal have in 2020?

At the end of 2020, solar power installed capacity totalled 1.03 GW and represented 3.6% of total power generation in 2020. Portugal has set a goal of between 8.1 GW and 9.9 GW in installed capacity by 2030. The Serpa solar power plant is an 11 megawatt plant covered 150 acres (0.61 km²) and employs 52,000 PV panels.

What is the largest solar power plant in Portugal?

On 9 October 2021, the largest solar power plant in Portugal was inaugurated in Alcoutim. With an installed capacity of 219 MW, the power plant has 661,500 solar panels and can power the needs of 200,000 homes. It occupies an area of 320 hectares and will prevent the emission of 326,000 tons of carbon dioxide every year.

What is the Global Solar Atlas?

The Global Solar Atlas provides a summary of solar power potential and solar resources globally.

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