



# Lisbon solar energy

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Is Lisbon a good location for solar power?

Lisbon, Portugal is a suitable location for generating solar power throughout the year. The average daily energy production per kW of installed solar capacity varies by season: 7.69 kWh in summer, 4.52 kWh in autumn, 2.66 kWh in winter, and 6.41 kWh in spring.

How much solar power does Lisbon produce a year?

Seasonal solar PV output for Latitude: 38.731, Longitude: -9.1373 (Lisbon, Portugal), based on our analysis of 8760 hourly intervals of solar and meteorological data (one whole year) retrieved for that set of coordinates/location from NASA POWER (The Prediction of Worldwide Energy Resources) API: Average 7.69kWh/day in Summer.

What is Lisboa solar?

Lisbon is no different. The project Lisboa Solar, presented by Mayor Carlos Moedas, is following this trend. Lisboa Solar is part of a broader strategy called the Great Options 2022-2026 Plan, also known as GOP. The primary goal of the Lisbon Solar project is to promote production of electricity for purposes of self-consumption.

How to optimize solar generation in Lisbon Portugal?

Assuming you can modify the tilt angle of your solar PV panels throughout the year, you can optimize your solar generation in Lisbon, Portugal as follows: In Summer, set the angle of your panels to 23° facing South. In Autumn, tilt panels to 43° facing South for maximum generation.

The Summary Lisboa E-Nova, the Energy and Environment Agency of Lisbon, is launching in 2019 SOLIS, the Lisbon Solar Platform 1 (fig. 1). SOLIS has the mission of promoting a ...

Portugal had 2,129 MWac of aggregated distributed solar capacity as of 2025/11/30.

Solar PV Analysis of Lisbon, Portugal Lisbon, Portugal is a suitable location for generating solar power throughout the year. The average daily energy production per kW of installed solar capacity varies by ...

French renewable energy company Neoen has officially inaugurated Portugal's largest solar installation, a 272-megawatt peak (MWp) project consisting of the Rio Maior and Torre Bela ...

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Energy Demand and Grid Situation in Portugal National Energy Demand: Portugal consumes around 50 TWh yearly, fueled by tourism, fishing, and light industry. Renewables hit 60% in 2024, with solar at ...

Neoen officially launches Rio Maior Solar Farm (204 MWp) and Torre Bela Solar Farm (68 MWp), both fully owned With a combined capacity of 272 MWp, the solar park is the largest to date in ...

Portugal's renewable energy market is experiencing substantial and impressive growth, with solar PV production surging by 27% in September 2025 compared to the previous year.

On May 3rd, international day of the sun, our member Lisboa E-Nova, the Energy and Environment Agency of Lisbon launched SOLIS, a platform to offer citizens, local authorities, ...

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The Lisbon Solar Strategy aims to achieve 103MW (equivalent to 178W per capita) of installed photovoltaic capacity within the city by 2030. This goal represents a crucial milestone in the journey ...

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