

Riga base station solar power generation





Overview

What is Latvia's energy system?

Latvia's energy system is largely based on renewable resources, primarily hydropower from the Daugava River, supplemented by wind, solar, and biomass. While natural gas imports cover energy shortages, the country aims to increase wind and solar energy capacity, with significant progress already made in 2022.

Who manages the electricity grid in Latvia?

The electricity grid in Latvia, however, is primarily managed by Sadales tīkls, the largest distribution system operator that serves 99% of the country's territory. Both public and private energy companies, such as AST and Latvenergo, participate in the sector.

Does Latvia need a thermal power plant?

Until now, Latvia has relied on electricity generated by hydroelectric power plants (HPPs), and the country's overall policy also included the development of thermal power plants (TPPs), as natural gas was a relatively cheap resource.

How can Latvia meet EU climate goals?

Latvia is committed to increasing renewables and energy efficiency to meet EU climate goals. The National Energy and Climate Plan (NECP) outlines plans to modernize the grid, expand energy storage, and develop more wind and solar capacity to hit higher renewable energy targets by 2030. Fig.2. Smart Energy System



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A new solar panel park is opened in the Port of Riga

Sep 7, 2023 · The BCT solar panel park is the second green energy production plant that has started its operation in the territory of the Port of Riga. The company SIA "Kronospan Riga" ...

Port of Riga to Host 100 MW Solar Plant

Sep 18, 2024 · In May 2023, Latvian developer PurpleGreen Energy B announced plans for a 400 MW solar power plant near the Russian border. According to the International Renewable ...

Power plant profile: Riga Solar PV Project, Latvia

Nov 11, 2024 · Riga Solar PV Project is a 100MW solar PV power project. It is planned in Riga, Latvia. According to GlobalData, who tracks and profiles over 170,000 power plants worldwide, ...

Riga solar project

Dec 3, 2025 · Additional data To access additional data, including an interactive map of global solar farms, a downloadable dataset, and summary data, please visit the Global Solar Power ...

SUNOTEC seals Latvian hybrid solar investment in landmark ...

Jul 8, 2025 · SUNOTEC acquires 400 MWp solar-plus-600 MWh storage project in Latvia, targeting grid connection by 2027 and bolstering the country's expanding clean-energy ambitions.

Riga energy storage

Riga Energy Agency (REA) is a municipal agency founded in 2007 for the purpose of planning, management, monitoring and coordination of energy- and climate- smart and sustainable ...

Solar PV Analysis of Riga, Latvia

Mar 30, 2023 · Seasonal solar PV output for Latitude: 56.9496, Longitude: 24.0978 (Riga, Latvia), based on our analysis of 8760 hourly intervals of ...

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