

## PEES Power Systems

# Solar power generation and energy storage in Latvia



## Overview

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Latvia's Energy Strategy 2050 outlines major changes in renewable energy production and storage, with significant investments planned in wind, solar, biomass, and biogas, as well as in energy storage technologies like batteries and subsurface systems to ensure. Latvia's Energy Strategy 2050 outlines major changes in renewable energy production and storage, with significant investments planned in wind, solar, biomass, and biogas, as well as in energy storage technologies like batteries and subsurface systems to ensure.

Hydroelectric power is the main source of renewable electricity in Latvia, followed by solar, wind and biomass cogeneration plants. In 2024, solar power in Latvia grew over 3.7% of total electricity, becoming the third-largest source, while wind reached a record 38 GWh and hydropower. European Energy has secured EUR 37.9 million of long-term project financing for a hybrid solar and battery storage project in Saldus, Latvia. 5 kilometers, covering the. Latvians are fortunate to enjoy the stunning beauty of our natural landscape—from foraging for mushrooms in lush green forests to taking seaside walks and gathering medicinal herbs in diverse meadows.

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### Latvia'S Largest Single-Site Solar Plant Begins Operating

It features 183,000 solar modules, with power transmission managed by 312 inverters and eleven transformer substations. Green Genius, which invested EUR96 million (\$113.1 million) into the ...

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### Energy Systems , Invest in Latvia

Latvia is among the TOP 3 EU countries in renewable energy share of total consumption. Strong growth in large-scale wind farms, solar installations and distributed energy systems. Rapid expansion of EV ...



### Niam Infrastructure and Evecon partner up for 110 MW of solar

Niam Infrastructure and Evecon have partnered to build up to 84 MWp of solar power and 26 MW of energy storage across 11 sites in Latvia, marking a significant investment in the country's renewable ...

## Latvia's Booming Renewable Energy Sector

In 2023, Latvia ranked among the top three countries in the European Union for renewable energy use, with renewables accounting for 43.5% of our energy consumption. This is nearly at the ambitious ...



## Latvia solar park: Stunning 120.8 MW Launch

Integrating Energy Storage for a Stable Grid at the Latvia solar park Beyond the impressive solar generation capacity, Green Genius is enhancing the project with a forward-thinking approach to ...

## Latvia's Largest Solar Park: Green Genius Launches 120.8MW ...

Lithuanian power producer Green Genius has launched the largest single-site solar project in the Baltic States--a 120.8MW facility in Latvia, featuring 183,000 modules and a planned ...



## Latvian Grid Energy Storage Project: Powering a Sustainable Future



2MW / 5MWh  
Customizable

Discover how Latvia's innovative energy storage initiatives are reshaping grid stability and renewable integration. This deep dive explores technical breakthroughs, market trends, and the strategic ...

## Latvia's largest single-site solar plant begins operating

Latvia's largest single-site solar plant begins operating The 120.8 MW project, built by Lithuanian renewables developer Green Genius, is the largest single-site project in the Baltics.



## Latvia's path to energy transition: Expanding renewable energy and

Latvia's Energy Strategy 2050 outlines major changes in renewable energy production and storage, with significant investments planned in wind, solar, biomass, and biogas, as well as in ...

## European Energy secures financing for hybrid solar and storage ...

European Energy has secured EUR 37.9 million of long-term project financing for a hybrid solar and battery storage project in Saldus, Latvia. Once operational, it will be among the most ...



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