

Solar power with grid backup in Latvia





Overview

Who is responsible for the energy transition in Latvia?

Local authorities are responsible for municipal energy supply and renewable energy projects, with Latvia's energy transition guided by the National Energy and Climate Plan and the Energy Strategy 2050.

When will battery energy storage systems be installed in Latvia?

The most recent update regarding BESS installations is that in Tume and Rēzekne, Latvia's transmission system operator "Augstsprieguma tīkli" (AST) in June 2025 installed battery energy storage systems with a combined capacity of 80 MW and 160 MWh, which will undergo testing until October 2025.

What is Latvia's Energy Strategy 2050?

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 supply stability .

What is the main source of renewable electricity in Latvia?

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 3.1 times to 6.7% of total electricity, becoming the third-largest source, while wind reached a record 38 GWh and hydropower, despite a 16% drop, still provided 54%.



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European Energy secures financing for hybrid solar and ...

Nov 10, 2025 · 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 ...

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.

Latvia's path to energy transition: Expanding renewable energy ...

Jun 19, 2025 · In Latvia, renewable energy sources account for a significant portion of the country's electricity generation, with a target of 57% by 2030 [1]. Hydroelectric power is the ...

Latvia: Latvenergo to deploy 250MW/500MWh BESS by 2030

Feb 24, 2025 · A solar PV plant in Latvia that Latvenergo deployed via subsidiary Elektrum. Image: Latvenergo. Latvia state-owned utility and power generation firm Latvenergo intends to ...

SUNOTEC buys 400-MWp solar, 600-MWh ...

Jul 7, 2025 · Bulgarian-German renewable energy development and construction company SUNOTEC has acquired a project in Latvia that ...

European Energy divests combined solar and battery park in Latvia ...

Oct 24, 2025 · The project combines a 65 MW solar PV plant and a 46 MW battery energy storage system, supporting Latvia's renewable energy and grid flexibility goals. The ...

Latvia's path to energy transition: Expanding ...

Jun 19, 2025 · In Latvia, renewable energy sources account for a significant portion of the country's electricity generation, with a target of 57% by ...

EBRD supports large-scale hybrid solar ...

Aug 1, 2025 · The solar parks will be located in Valmiera, Kraslava, Madona, and Saldus municipalities, and will integrate solar photovoltaic systems ...

SUNOTEC buys 400-MWp solar, 600-MWh storage site in Latvia

Jul 7, 2025 · Bulgarian-German renewable energy development and construction company SUNOTEC has acquired a project in Latvia that combines 400 MWp of solar capacity with 600 ...

Integration of renewable energy in the Latvian grid

Sep 5, 2024 · Variable Renewable Energy Sources (vRES, solar PV and wind)¹ capacity in Latvia has grown from 100 MW in 2022 to over 420 MW in 2024 (Figure 1). The huge interest from



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Latvia solar battery: Impressive 65 MW Project to Stabilize Grid

Nov 21, 2025 · Latvia is taking a major leap forward in its renewable energy transition with the development of a hybrid 65 MW solar park and a 92 MWh battery energy storage system ...

Latvia grid battery sync: Impressive 2025 power boost

Oct 31, 2025 · The successful deployment of these renewable sources depends not only on grid stability but also on the efficiency of the solar panel manufacturing machines that produce the ...

EBRD supports large-scale hybrid solar energy rollout in Latvia

Aug 1, 2025 · The solar parks will be located in Valmiera, Kraslava, Madona, and Saldus municipalities, and will integrate solar photovoltaic systems with wind power and battery ...

Latvia: Latvenergo to deploy ...

Feb 24, 2025 · A solar PV plant in Latvia that Latvenergo deployed via subsidiary Elektrum. Image: Latvenergo. Latvia state-owned utility and ...

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