

Solar power with grid backup in Latvia

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.

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.

When will battery energy storage systems be installed in Latvia?

The most recent update regarding BESS installations is that in Tume and Rezekne, Latvia's transmission system operator "Augstsprīguma 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 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%.

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

Latvia's northern Valmiera region will be the location for the country's first hybrid energy park where three renewable energy technologies - solar, wind and electricity storage - ...

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

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 ...

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 ...

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Highly renewable energy mix: Latvia consistently ranks among Europe's leaders in renewable energy use, with major growth in wind, solar and bioenergy. Strategic location for regional ...

Latvia's first utility-scale battery storage project has been commissioned, while Fotowatio Renewable Ventures has entered the ...

European renewable energy provider SUNOTEC has finalized the acquisition of SIA DSE Lazas Solar's solar and energy storage project in Latvia from Danish Sun Energy. This ...

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 ...

Development to date Latvia's energy system is largely based on renewable resources, primarily hydropower from the Daugava River, ...

Danish renewables developer European Energy A/S said on Thursday it has launched the construction of a 148-MW solar park in ...

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