



BUHLE POWER

Latvian rural solar power generation system





Overview

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%.

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.

Is Latvia ready for a green energy transition?

Solar and wind energy production alone experienced an impressive 92% surge in 2023 compared to 2022, and this momentum shows no signs of slowing down. Building on these achievements, Latvia has set ambitious targets for its green energy transition.

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 .



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[Hybrid renewable energy systems for rural](#)

Jan 1, 2025 · This study presents a comprehensive review of state-of-the-art energy systems and spatially explicit modelling approaches aimed at identifying approaches suitable for planning ...

[Targale Solar Park: 148 MW solar energy in Latvia's Ventspils ...](#)

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[Ignitis Renewables expands green generation in the Baltics ...](#)

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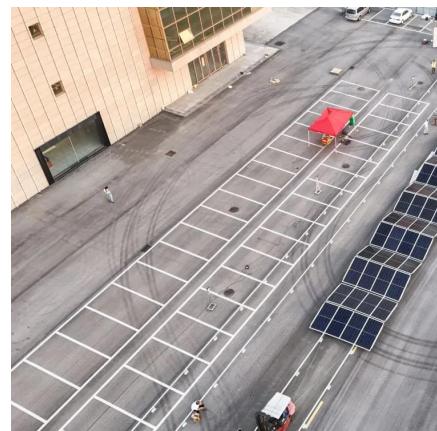
[Latvia: Latvenergo to deploy ...](#)

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



[Solar energy generation tripled last year in Latvia / Article](#)

Feb 8, 2024 · The total electricity distribution system-connected solar generation capacity was 300 megawatts (MW) at the end of 2023, three times the year before when it was about 100 ...



[SUNOTEC Acquires 400MWp Solar, 600MWh BESS Project Site in Latvia](#)

Jul 13, 2025 · 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 ...



[Varme Solar Farm: Latvia's Largest Solar ...](#)

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[European Energy to start construction on its ...](#)

Oct 3, 2024 · To date, Latvia has lagged behind its neighbors in the construction of solar energy parks. In 2023, Estonia's solar power ...

[Integration of renewable energy in the Latvian grid](#)

Sep 5, 2024 · From the quantitative results, recommendations are formulated. To perform the quantitative assessment, detailed grid simulations of the Latvian transmission system for ...



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[Saules paneli , Solar Energy Latvia , Latvia](#)

Laipni lūdzam Solar Energy Latvia! Vieta, kur Jusu vēlmju īstenosanai nepieciešama tikai viena pietura. Mes piedavajam augstakas klases ...



[Latvia's path to energy transition: Expanding ...](#)

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[Latvian Rural Photovoltaic Inverter Solutions Powering ...](#)

SunContainer Innovations - As Latvia's rural communities seek energy independence, photovoltaic inverters have become the backbone of solar-powered farms and homesteads. ...



[\(PDF\) Review of results of agro-photovoltaic ...](#)

Jun 22, 2021 · Agrivoltaics uses a land for both solar photovoltaic (PV) electricity generation and agriculture, increasing overall productivity of the ...



KeyfactsEnergy

Aug 7, 2025 · After having completed the first divestiture of a 265 MWp PV solar plant with Latvian state-owned utility Latvenergo in Nov 2024, we have now completed the second utility-scale ...



Power System state , AST

6 days ago · Power System state" Solar Power Forecast - TSO " - a solar generation forecast developed by AST on the electricity injected into the grid from solar power plants, including ...

[Latvia's path to energy transition: Expanding renewable energy ...](#)

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[A review of hybrid renewable energy systems: Solar and ...](#)

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Power Technology

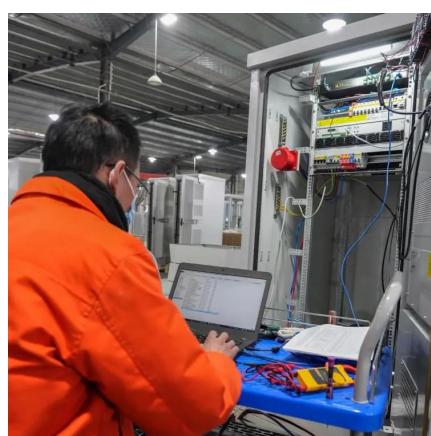
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[Latvia - pv magazine International](#)

Jan 13, 2023 · A study estimating the economic viability of rooftop solar in Estonia, Latvia and Lithuania forecasts the levelized cost of electricity (LCOE) for PV systems in the Baltic States ...



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