

# Latvian villa solar power generation system





## Overview

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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 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%.

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 .

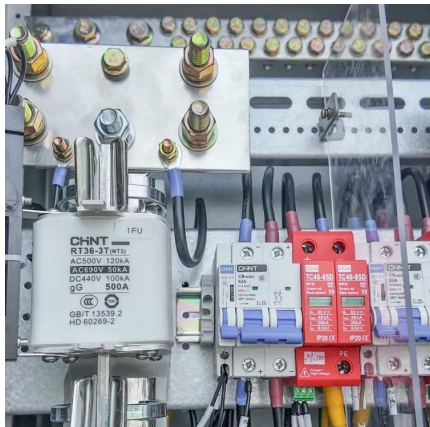
When will battery energy storage systems be installed in Latvia?

The most recent update regarding BESS installations is that in Tume and 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.



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

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### [Latvia solar farm: Impressive 74 MW Project Advances](#)

Oct 4, 2025 · Ignitis Renewables has announced the start of electricity production at its newly constructed Vārme solar farm, a landmark project for renewable energy in the Baltics. This ...



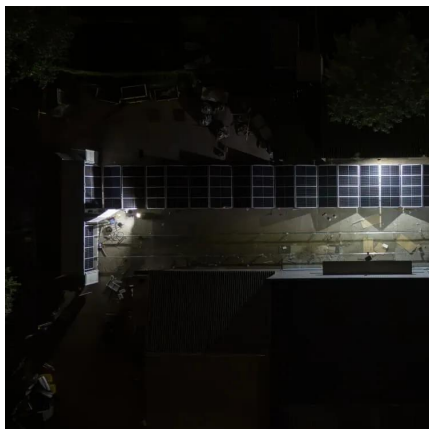
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## [SUNOTEC seals Latvian hybrid solar investment in landmark ...](#)

Jul 8, 2025 · SUNOTEC, the Bulgarian-German renewables specialist best known for building utility-scale PV parks across Europe, has taken full control of the 400 MWp Lazas Solar Park ...



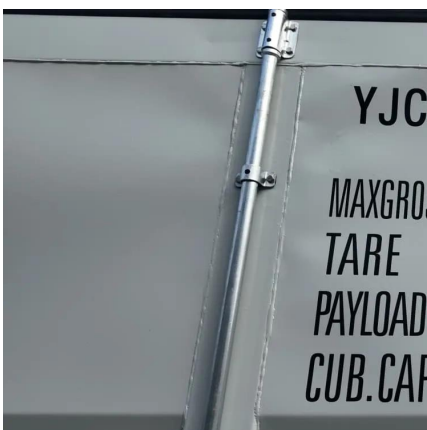
## **Frontiers , The potential of multiapartment rooftop PV systems**

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Dec 5, 2023 · The findings affirm the technical and economic viability of urban rooftop photovoltaic systems within the Latvian context. It has been established that the implementation of such ...

## [Accelerating power generation with solar panels. Case in Latvia](#)

Aug 1, 2018 · The main aim of the research is to determine the conditions under which it would be possible to increasingly cover as much electricity demand of Latvia as possible by the ...



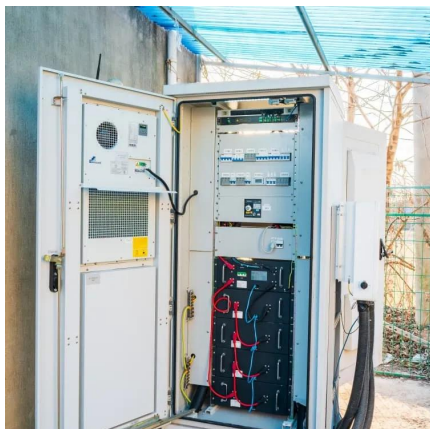
## [TRANSLATION: Latvia Rooftop Solar Country Profile](#)

Apr 15, 2024 · Scoring System This country profile highlights the good and the bad policies and practices of solar rooftop PV development within Latvia. It examines and scores six key areas: ...



## European Energy to start construction on its first solar farm in Latvia

Oct 3, 2024 · To date, Latvia has lagged behind its neighbors in the construction of solar energy parks. In 2023, Estonia's solar power capacity reached 822 MW, Lithuania's 1,165 MW, while ...

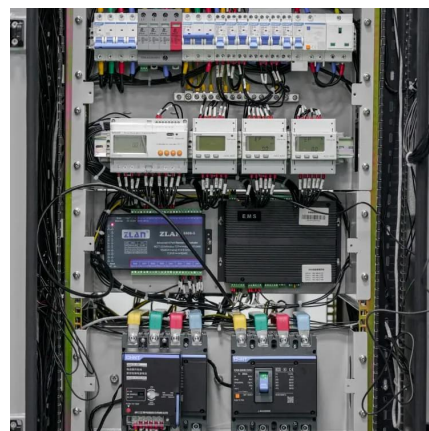
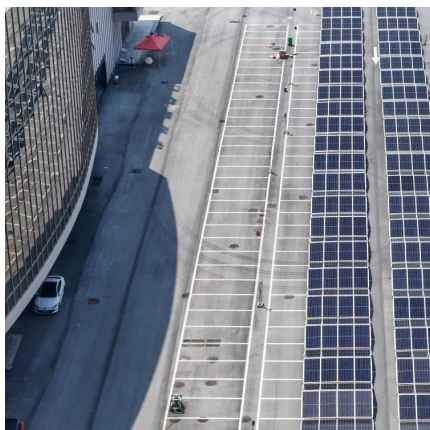


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