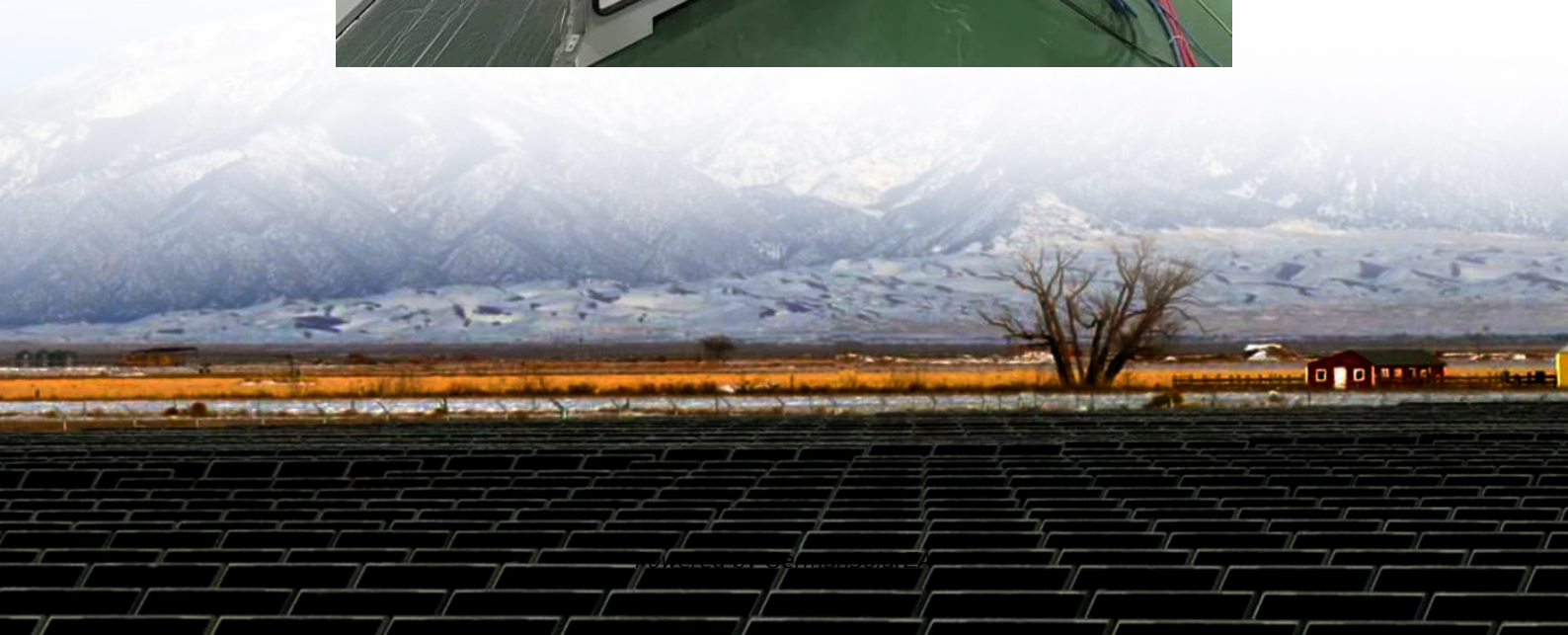


# Latvia Solar Home Power Generation System





## Overview

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Does Latvia have solar energy?

So far, however, the development of solar energy in the country has been rather limited. According to Latvia's grid-operator Sadales tīkls AS, which is a subsidiary of Latvenergo, there was just 1.3 MW of renewable energy power installed under net metering at the end of 2016.

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 .



## Latvia Solar Home Power Generation System

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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 ...

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

The Varne facility features 142,000 bifacial solar panels, each with a 660 W capacity. These advanced panels capture sunlight from both sides, maximizing energy generation. Projected to produce 99 GWh of ...

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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 ...



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

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: ...

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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 ...

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Provisional Central Statistical Bureau (CSB) data published on 2 July show that electricity generation from solar power grew 2.2&nbsp;times year-on-year, reaching 536&nbsp;GWh in 2024.

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#### Targale Solar Park: 148 MW solar energy in ...

The overall solar generation capacity in Latvia currently stands at 600 MW. The solar park in Targale will significantly boost Latvia's solar energy generation, strengthening its position in the renewable ...

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#### Varme Solar Farm: Latvia's Largest Solar Project Powers Up

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