



Solar power system in latvia





Overview

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The EBRD's investment - the Bank's first direct renewable project financing in Latvia - will help Sunly to develop four hybrid solar parks across Latvia. One of the most significant renewable energy projects in the country to date, the parks will have a total installed capacity of 329 MW once.

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.

In 2025, Latvia's solar capacity is poised for significant growth, spurred by a groundbreaking international financing initiative aimed at accelerating the country's shift to clean energy. The nation's solar sector has been expanding rapidly, with installed capacity projected to increase from 0.32.

Latvia aims to increase renewable energy sources (RES) to 50% by 2030, but lacks specific solar targets in its current National Energy and Climate Plan (NECP). While a revised NECP draft has clearer goals, concerns remain about low targets on PV installations (from 19,000 microgenerators in 2023 to.

Solar energy generation in Latvia has reached market saturation, meaning the overall electricity system should now focus on other types of production, said Sandis Jansons, Chairman of the Management Board of the distribution system operator AS Sadales tīkls, in an interview with LETA. He explained.

The overall solar generation capacity in Latvia currently stands at 600 MW. The



solar park in Tārgale will significantly boost Latvia's solar energy generation, strengthening its position in the renewable energy market as well as contributing to the country's energy independence and increasing the.



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INTEGRATED DESIGN

EASY TO TRANSPORT AND INSTALL,
FLEXIBLE DEPLOYMENT



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

Solar generation capacity is growing steadily, with a high number of microgenerator permits issued. Smart meter penetration is at 98%, but grid tariff increases in 2023 led to government ...

[Sunly Starts Construction Works on Three Large-Scale Solar ...](#)

All three solar energy parks in Latvia will be developed as hybrid parks, combining solar and wind energy along with a battery energy storage system (BESS). This approach will enhance the ...



[Solar Installation in Latvia](#)

Latvia, with its ample sunshine, provides an excellent opportunity for solar energy generation, making it the perfect time to invest in solar power panels for your property.

[EBRD supports large-scale hybrid solar energy rollout in Latvia](#)

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



[European Energy secures financing for hybrid solar and storage ...](#)

The project will comprise a 65 MW solar park and a 92 MWh battery energy storage system (BESS) across approximately 96 hectares. Once operational, it will be among ...



[Latvia's solar potential is significant, with over 1.800 annual](#)

Solarvance provides high-efficiency, cold-climate solar systems tailored for Latvia's environment--built for low-light performance, humidity resistance, and year-round reliability.



[All-in-one Solar Power system Latvia](#)

The Highjoule home solar energy storage systems (HJ-H05-O05, HJ-H10-O05) provide reliable power solutions with military-grade LiFeCoPO4 batteries, efficient solar harvesting, pure sine ...



[Latvia's Booming Renewable Energy Sector](#)



Latvia leads Europe in green energy with 43.5% renewables - solar parks, wind farms and sustainable use of natural resources



[Latvia: first BESS opens ahead of Russia grid ...](#)

In Latvia, developer Utilitas Wind announced the official opening of a 10MW/20MWh battery energy storage system (BESS) last ...

[Solar PV Analysis of Riga, Latvia](#)

Check out this solar PV analysis of Riga, Latvia from profileSOLAR! What's your solar potential?



[The Largest Power Generation Solar Panel Park In Latvia](#)

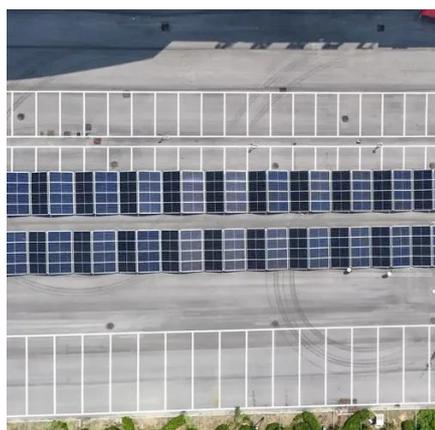
Over the next 10 years, it will save EUR 185,000. Sunetraco begin to supply solar panels and solar power system kit to Latvia since 2015, the current project is 5kw, 10kw, 20kw, 50kw on grid ...



[Solar energy in Latvia reaches saturation - Sadales tikls urges ...](#)



Solar energy generation in Latvia has reached market saturation, meaning the overall electricity system should now focus on other types of production, said Sandis Jansons, ...



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

Creating new solar farms will reduce emissions from fossil fuel-based electricity generation and is a vital step towards a green transition and energy independence. The Nordic ...

[Power System state , AST](#)

installed capacities of solar power plants, including microgeneration, connected to distribution system operators and their historical volumes injected into the grid. " Solar Power Forecast - ...



[Solar System Installers in Latvia](#)

List of Latvian solar panel installers - showing companies in Latvia that undertake solar panel installation, including rooftop and standalone solar systems.

[Latvia cost of complete solar system](#)



Solar System Installers. Solarcity.lv. Solarcity.lv
18. Novembra iela 97, Daugavpils, LV-5404 Latvia
: Business Details Battery Storage Yes Installation
size Smaller Installations Operating ...



[Solar district heating system in Latvia: A case study](#)

This paper focuses on best practice project in Latvia - fully renewable district heating system assisted by solar collector system with thermal storage tank and woodchip ...

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

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 ...



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

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

[Solar panels for households](#)



The most experienced full-cycle installer of solar panels in Latvia. Cooperation with globally recognised manufacturers of solar panels and invertors.



[Energy infrastructure in Latvia](#)

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



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

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, ...



[Latvia solar capacity: Impressive boost secured for 2025](#)

In 2025, Latvia's solar capacity is poised for significant growth, spurred by a groundbreaking international financing initiative aimed at accelerating the country's shift to ...



[TOP 10 BEST Small Solar Inverter in China in Latvia in San ...](#)



Top 10 Best Small Solar Inverter in China in Latvia in San Francisco, CA - Last Updated December 2025 - Yelp - Sutro Power, SunBeam Solar Repair & Maintenance, Your Energy ...



[Estimation of LCOE for PV electricity production in the Baltic ...](#)

Between 2010 and 2020, the cost of solar power decreased by 82 %, making it the most competitive electricity source in many parts of the EU. In 2023, the price of solar ...



[The largest solar power plant in Latvia ...](#)

The new power plant has been constructed with a direct connection to the distribution grid ensuring that the generated electricity is ...



[Latvia may boost solar power share in electricity to 10% this year](#)

Last year Latvia's installed solar power generation capacity grew rapidly to 661 megawatts (MW). The amount of energy produced at these plants tripled to 400 gigawatt ...



[Latvia: Latvenergo to deploy 250MW/500MWh BESS by 2030](#)



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 ...



[Latvia cost of complete solar system](#)

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: Business Details Battery Storage Yes Installation
size Smaller Installations ...

[Latvia: first BESS opens ahead of Russia grid uncoupling](#)

In Latvia, developer Utilitas Wind announced the official opening of a 10MW/20MWh battery energy storage system (BESS) last week (1 November) in Targale, a village in Latvia's ...



[In 2023 hydropower, wind power and solar power plants ...](#)

Central Statistical Bureau provisional data show that in 2023 gross energy consumption¹ in Latvia totalled 185 petajoules (PJ), which is 1 % fewer than in 2022. ...



[EBRD supports large-scale hybrid solar energy ...](#)

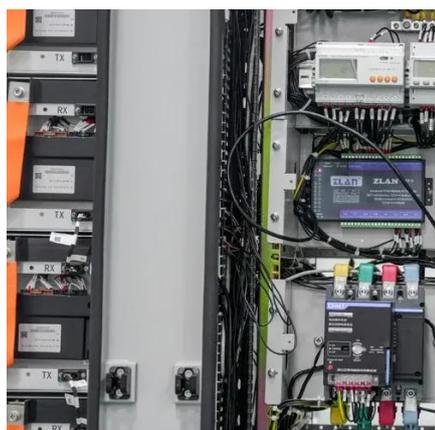


The solar parks will be located in Valmiera, Kraslava, Madona, and Saldus municipalities, and will integrate solar photovoltaic systems ...



[Solar could be crowned 'king' of Latvia's energy ...](#)

Latvia recorded 54 MW of installed solar capacity at the end of last year, according to International Renewable Energy Agency ...



[Executive summary - Latvia 2024 - Analysis](#)

Bringing wind and solar power projects online will also help reduce Latvia's dependence on natural gas imports and can contribute to lower electricity ...





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