

Latvian solar power generation for home use latest models





Overview

How many solar farms are there in Latvia?

Expanding portfolio of solar projects Ignitis Renewables' portfolio of solar farms in Latvia currently consists of two solar farms already under construction – the 94 MW Vārme solar project in Kuldīga municipality and the 145 MW Stelpe solar project, which consists of two separate sites in Stelpe and Bārbale parishes in Bauska municipality.

When will Ignitis Renewables start a solar farm in Latvia?

The completion and commercial operation of these solar farms is planned for 2025. The current investment in the development of solar projects by Ignitis Renewables in Latvia is estimated at around EUR 284 million, which includes both construction and project development costs.

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 system?

Latvia's energy system is largely based on renewable resources, primarily hydropower from the Daugava River, supplemented by wind, solar, and biomass. While natural gas imports cover energy shortages, the country aims to increase wind and solar energy capacity, with significant progress already made in 2022.

Does Latvia have an electricity grid?

Synchronization of the Baltic states with the European electricity grids and desynchronization from the Russian unified energy system. The electricity grid in Latvia, however, is primarily managed by Sadales tīkls, the largest



distribution system operator that serves 99% of the country's territory.

Is ignitis renewables expanding its operations in Latvia?

Ignitis Renewables, an international green energy company, is expanding its operations in Latvia. The investment decision foresees an investment up to EUR 106 million in the development of the 174 megawatt (MW) Tume solar farm, which will be one of the largest of its kind in the Baltics.



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[Eesti Gaas opened its first solar plant in Latvia](#)

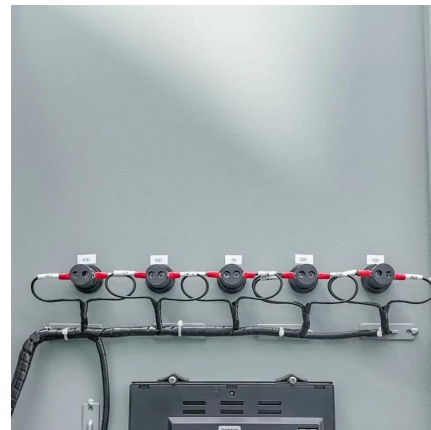
Eesti Gaas' new solar power plant is located near Liepaja in Nica, which is one of the sunniest regions in Latvia. The solar park with nearly 7,000 ...

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The state of solar power in Latvia - the sun isn't shining... yet

And just a few weeks ago, BaltCap Infrastructure Fund and AJ Power, the largest private PV developer in Latvia, signed an agreement to establish a joint venture to develop ...

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[Latvia solar farm: Impressive 94 MW Project Powers Up](#)

These advanced panels capture sunlight from both sides, maximizing energy generation. The farm is projected to produce 99 GWh of ...

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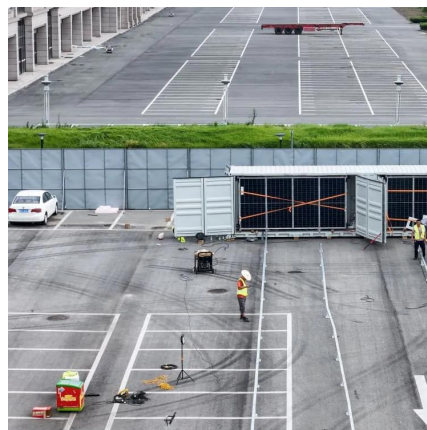
Latvian Solar Boom: Ignitis Group's Record-Breaking Portfolio

The solar sites are expected to be operational by 2025 and will produce enough clean electricity to



power around 100,000 households annually. There is also the possibility of ...

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[Latest Advancements in Solar PV Module Technology \(2025\)](#)

Discover cutting-edge solar PV module innovations of 2025 including perovskite, TOPCon, HJT, bifacial, and IoT-integrated panels.

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[Latvian portable energy storage power supply procurement](#)

General business projects are: solar power generation technical services; photovoltaic equipment and component manufacturing, battery manufacturing, portable energy storage equipment ...

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Ignitis Group makes final investment decision for 239 MWp Latvian solar

AB "Ignitis grup?" (hereinafter - the Group) informs that the Management Board of the Group made a final investment decision on its 239 MWp Latvian solar portfolio (hereinafter ...

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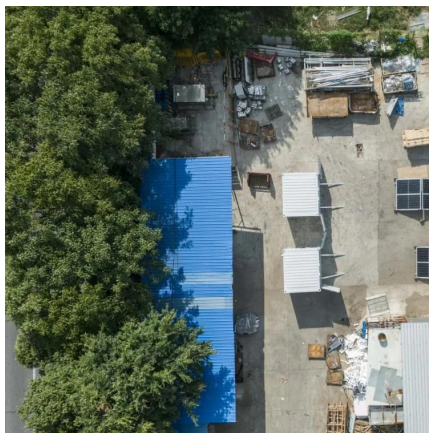
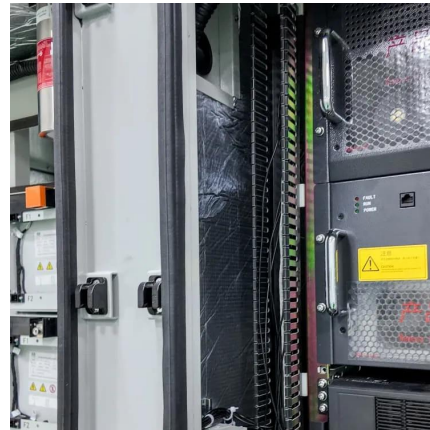




ENERGY PROFILE Latvia

Distribution of solar potential
Distribution of wind potential
Annual generation per unit of installed PV capacity (MWh/kWp)
Wind power density at 100m height (W/m²)

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

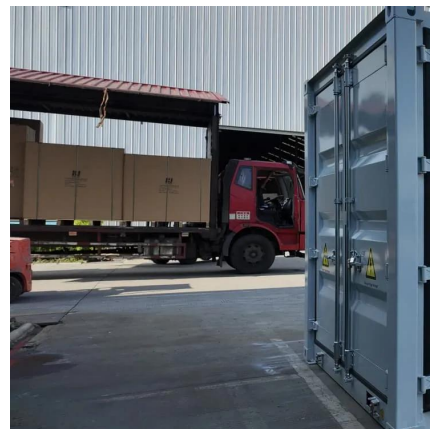
Solar and wind energy production alone experienced an impressive 92% surge in 2023 compared to 2022, and this momentum shows no signs of slowing down. ...

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[Ignitis Renewables will develop a 174 MW solar farm ...](#)

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Ignitis Renewables will develop a 174 MW solar farm in Latvia

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Targale Solar Park: European Energy and Samspec Partner ...

Latvia has set ambitious climate goals, aiming to source 57% of its electricity from renewable resources by 2030, according to the International Energy Agency (IEA). However, ...

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European Energy to start construction on its first solar ...

The solar farm will be located near Targale in Ventspils County. Upon completion, it will be able to produce around 154,550 MWh annually, ...

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

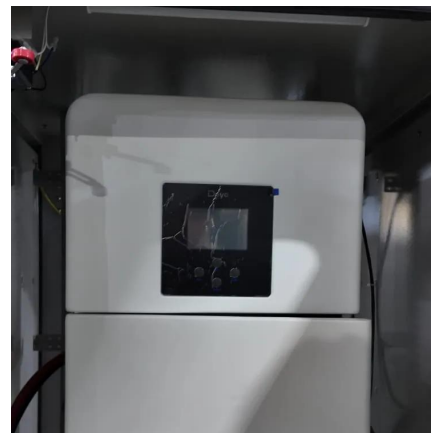
The solar farm will be located near Targale in Ventspils County. Upon completion, it will be able to produce around 154,550 MWh annually, providing electricity equivalent to the ...

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Ignitis brings online first 72.5-MW phase of Latvian solar project

Lithuania's Ignitis Renewables has commissioned the first of two 72.5-MW phases of the Stelpe solar project in Bauska municipality, southern Latvia.

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Ignitis Group makes final investment decision for 239 MWp Latvian solar

The total investments amount is up to EUR 178 million, which includes the construction CAPEX and project acquisition price. Wind hybridisation options for all 3 solar ...

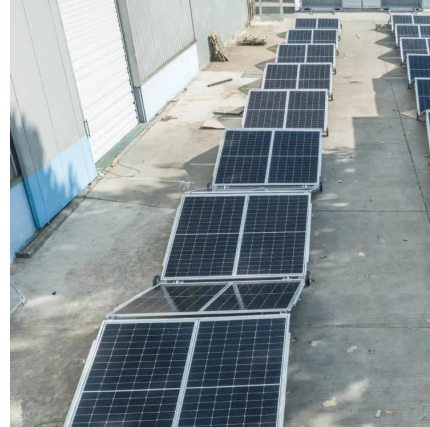
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Best Solar Panels for Homes in 2025

We break down the best solar panels for a variety of common priorities -- efficiency, warranty, manufacturer location, and more.

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Elenger invested 2.4 million euros in a Latvian solar power plant

Elenger, the largest privately owned energy company in the Baltics and Finland, is expanding its renewable energy portfolio by opening a new solar power plant in Olaine, Latvia. ...

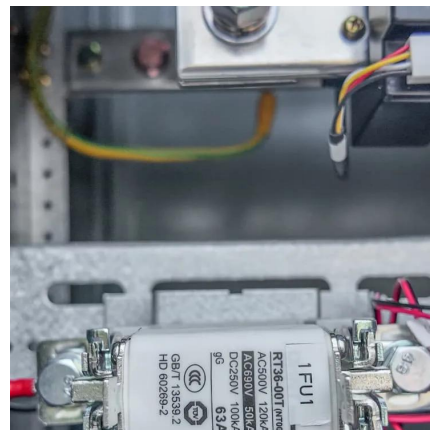
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[The 6 types of solar panels . What's the best type?](#)

Discover the six main types of solar panel, including thin-film, perovskite, and the best type for your home: monocrystalline.

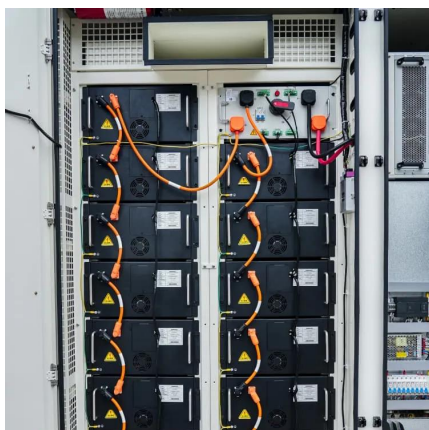
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[Broadcom's Jericho4 Supercharges AI Networking Sunly Raise](#)

Sunly Secures EUR85M for Latvian Solar Expansion In a separate major development for clean energy, Baltic renewable energy firm Sunly has raised EUR85 million to build new solar ...

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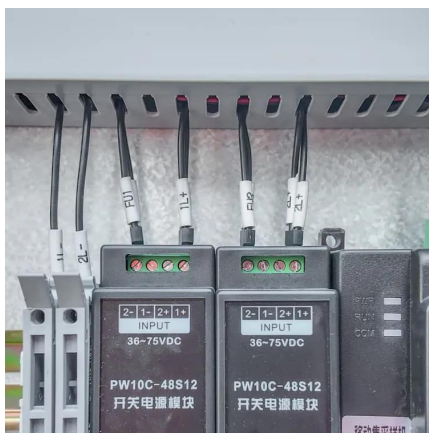




Solar power in Latvia

Solar power in Latvia 17.06.2024. A solar farm has been opened at the wood processing company Over 10 hectares, 9,216 solar panels have been installed, with a total ...

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Modelling the Latvian power market to evaluate its environmental ...

A study by Turconi et al. [10] concluded that the key goal to achieve low-carbon electricity sector in Denmark is moving away from coal-based generation to the use biomass ...

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Energy infrastructure in Latvia

In 2022, wind power capacity nearly doubled to 136 MW with the launch of a new wind farm. Solar energy capacity also saw a sharp increase, driven by heightened interest in ...

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Latvia's Booming Renewable Energy Sector

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[Latvia solar farm: Impressive 94 MW Project Powers Up](#)

These advanced panels capture sunlight from both sides, maximizing energy generation. The farm is projected to produce 99 GWh of electricity annually, a substantial ...

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[SUNOTEC acquires a 400 MW solar PV and 600 MWh BESS ...](#)

The German renewable energy development and construction company SUNOTEC has acquired full ownership over SIA DSE Lazas Solar from Danish Sun Energy to develop a ...

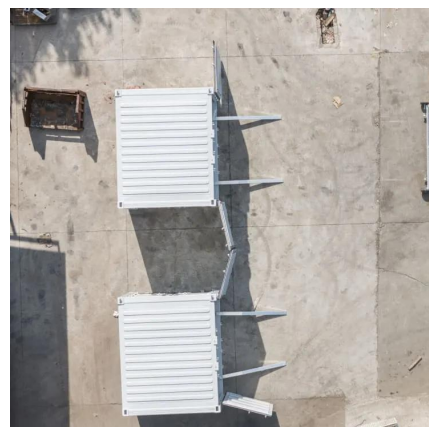
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[Eesti Gaas opened its first solar plant in Latvia](#)

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Electricity prices

Wind and solar are growing rapidly--solar output in 2023 was nearly 5 times higher than in 2022, and wind generation increased by over 40% year-on-year. This surge allowed Latvia to cover ...

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