

# Latvia renewable energy

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## Latvia renewable energy

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### LATVIA

Ensuring transition to sustainable, renewable and innovative resources, ensuring equal access to energy for all groups of society are an essential condition for achieving the objectives of the Latvian National Energy and Climate Plan 2021-2030. Latvia Member

### 1. Key energy figures(a)

LATVIA Energy Snapshot 1. Key energy figures  
(a) Energy mix - 2021 Electricity mix - 2021 2.  
Energy security Energy import dependency(b)  
Fuel 2000 2010 2019 2020 Import Dependency  
[%] 61.1% 48.0% 46.7% 47.6% of Solid fossil  
fuels 84.1% 106.5% 110.8% 89.6%



### Clean vs. Green: Redefining renewable energy. Evidence from Latvia

Renewable Energy Sources (RES) are clean sources of energy, including hydropower, biomass, geothermal energy, and solar, wind, and wave energy [1], mainly used for heating and power. Renewable Energy is suggested to be "the key to a cleaner and sustainable energy in the future" [2].

### Latvia

Key information about renewable energy in Latvia Empowered lives. Resilient nations. 3.7% RE Share 2,609 MW Total Installed Capacity Biomass Solar PV Wind Small Hydro



### The Cabinet of Ministers approves the National Energy and ...

This will create additional jobs in energy efficiency and renewable energy areas". The National Energy and Climate Plan 2030 aims to promote the long-term development of a climate neutral and internationally competitive economy of our country. Reaching



### Lithuania is well placed to lead on clean energy and energy ...

Electricity market reforms are underway and Lithuania - along with its Baltic neighbours Latvia and Estonia In the policy review, the IEA urges the government to adopt a forward-looking renewable energy strategy with a focus on flexibility and sustainability in



### Latvia

Latvia's 2020 National Renewable Actions Plan targets a 40% share of energy generated from renewable sources in gross final energy consumption, 53% of heat consumption met by renewable sources and 60% of electricity demand met by electricity generate



**2MW / 5MWh  
Customizable**



**Last year 51 % of the total electricity generated in Latvia were**

Latvia aims 5 at reaching 50 % of renewable energy in gross final consumption of energy and reducing Latvian energy dependency upon imports of energy resources by 2030. Share of renewable energy in Latvian final energy consumption accounted for 42.13 % in 2020.



**LATVIA**

Latvia has set a contribution to the EU renewable energy target of at least 45% in gross final consumption of energy for 2030, significantly below the 50% share that results from the formula of Annex II of the Governance Regulation.

**National Energy and Climate Plan for 2021-2030**

According to Cabinet Order No.46 adopted 4 February 2020 the National Energy and Climate Plan for 2021-2030 set Latvia's targets and performance measures in several sectors or ...



[Lithuania: Energy Country Profile](#)

Lithuania: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.





### European Energy unveils plan for 110-MW solar park in Latvia

Danish renewables developer European Energy A/S intends to build a 110-MW solar park in Latvia, which will be its first project in the Baltic country. The scheme, set to create the largest photovoltaic (PV) park in Latvia, will be installed in the Targale village in the



### Latvia 2024 - Analysis

This Energy Policy Review was prepared in partnership between the Government of Latvia and the IEA. It draws on the IEA's extensive knowledge and the inputs of expert peers from IEA member countries to assess Latvia's most pressing energy sector challenges and provide recommendations on how to address them, backed by international best practices.

### [Energy . Oficialas statistikas portals](#)

Energy Balance 2023, in Latvian P242101  
Produced electricity in combined heat and power plants in 2023 V24017 Load more Press releases RENA2401 06.09.2024 Electricity generated from solar and wind power up by 92 % over the year REN2402 02.07.2024



### [ENER-2019-00002-00-04-EN-TRA-00](#)

7 ENER-2019-00002-00-04-EN-TRA-00  
LPACC2030 Latvian Plan for Adaptation to Climate Change until 2030 LALRG Latvian Association of Local and Regional Governments REAPRL Action Plan of the Republic of Latvia in the Field of Renewable Energy for



[Latvia , World Energy Council](#)

According to Latvian TSO AS "Augstsprieguma tīkls" data, in 2023, the average electricity price in Latvia decreased by 59% compared to 2022, to 93,89 EUR per megawatt hour (EUR/MWh), and the amount of electricity produced from renewable energy sources



51.2V 300AH

48V 100Ah



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

Latvia has already made inroads on the share of renewable energy in its fuel mix, with sizeable shares of bioenergy and hydropower. Renewable energy sources dominate its electricity mix, accounting for around three-quarters of domestic ...

**Latvia 2024 - Analysis**

This Energy Policy Review was prepared in partnership between the Government of Latvia and the IEA. It draws on the IEA's extensive knowledge and the inputs of expert peers from IEA ...



[Latvia's Recovery and Resilience Plan](#)

the transition to sustainable transport, increase energy efficiency in all sectors, and boost modernisation of the electricity grid and decarbonisation. Related measures concern improving the Riga area transport system, modernising the electricity energy. 2.





### Renewable Energy

Renewable energy sources are growing quickly and will play a vital role in tackling climate change. Share of primary energy that comes from hydropower This interactive chart shows the share of primary energy that comes from hydropower. Note that this data is



### Energy in Latvia

In 2021 Latvia had just 66 MW of wind energy capacity, with no wind farms being built since 2012. [10] In 2022 a wind farm is in the initial planning stage to be located in the Gulf of Riga, Latvia having rejected the idea of working with Estonia on a nearby project, the new plan is expected to supply 1 GW of clean wind energy, which would translate to 3 TWh (Terawatt-hours) of ...

### Energy Governance in Latvia

On the other hand, renewable energy sources have gained significantly in importance in Latvia since 1990. The largest share is accounted for by biofuels and waste, which accounted for 8.69% of the total energy supply in 1990 and whose share has increased to 38.



### Towards an Energy Union Latvia

Latvia had 37.6 % renewable energy in 2015, while the target is minimum 40 % in 2020. Participation in EU-financed projects plays an important role in Latvia's energy research. Under the Horizon 2020 energy programme, Latvian participants have been granted EUR





[Energy production , Ekonomikas ministrija](#)

Total electricity generation from RES in the 2010 amounted to 3635 GWh, in the 2011 - 3078 GWh and in the 2012 - 4109 GWh. To maintain Latvian competitiveness, a year ago Latvia agreed on the long term strategy for energy until 2030 - a



[Towards an Energy Union Latvia](#)

The main energy sources in Latvia's energy mix are renewables and oil. Increased production of renewables has helped bring down Latvia's import dependency, which is slightly below the EU



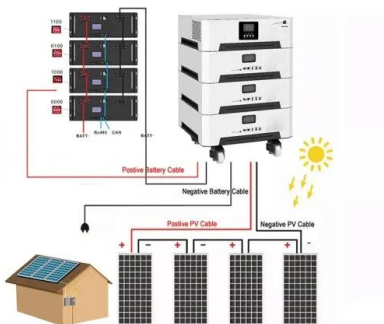
**In 2021 consumption of renewables 3 % higher than a year ago**

Data compiled by the Central Statistical Bureau of Latvia (CSB) show that in 2021 gross consumption of renewable energy resources (renewables) in Latvia amounted to 78.0 petajoules (PJ). Compared to the year before, it has grown by 3 % or 2.3 PJ. In 2021



**Solar could be crowned 'king' of Latvia's energy market**

Latvia recorded 54 MW of installed solar capacity at the end of last year, according to International Renewable Energy Agency (IRENA) statistics. This is "miserable" compared to the country





### REPOWEREU: ONE YEAR LATER\_LATVIA

Latvia launched new energy saving measures, such as: Behavioural measures in public sector, with an objective to save 9.7% on heating consumption, 4.2% for electricity consumption, 3.3% ...



### **Solar could be crowned 'king' of Latvia's energy market**

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### REPOWEREU: ONE YEAR LATER\_LATVIA

3 In 2022, Latvia installed around 0.1 GW of renewable capacity, bringing the total to 1.9 GW (vs. 1.8 GW in 2021). In 2022, the annual growth rate of installed renewables power capacity rose to 8%, compared to 0% in 2021. Energy price developments

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- Intelligent Integration**  
Integrated photovoltaic storage cabinet
- Rated AC Power**  
50-100kW
- Altitude**  
3000m(>3000m derating)

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