
Latvia wind and solar energy storage power generation

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 electricity landscape like in 2024?

In 2024, Latvia's electricity landscape features a strong reliance on low-carbon sources, with more than 60% of its electricity coming from clean energy.

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.

Where is the first battery energy storage system in Latvia?

On November 1 Latvia's largest wind energy producer Utilitas Wind opened the first utility-scale battery energy storage battery system in Latvia with a total power of 10 MW and capacity of 20 MWh in Targale, Ventspils region.

Among the minor sources, solar energy makes up about 7%, while wind energy contributes just over 3%. This balance between clean and fossil energy highlights Latvia's ...

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The growth of solar and wind energy signals a shift in how Latvians think about power and the environment. From government halls to small villages, a cleaner, more self ...

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

The wind park, initially launched in 2022 with an annual generation capacity of 155 GWh, has integrated a utility-scale energy storage system to enhance grid stability, for which ...

Building on these achievements, Latvia has set ambitious targets for its green energy

transition. By 2030, we aim to source 57% of our total energy from renewable sources, with an ultimate ...

Moreover, wind power and solar power plants generated 92.5 % electricity more. Driven by the active installation of solar panels and development of solar parks, the amount of ...

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Latvenergo, Latvia's leading energy company, plans to install 250 megawatts (MW) of energy storage capacity by 2030. This ambitious target is part of a broader strategy to ...

Targale, Latvia -- On November 1, 2024, Targale Wind Park held its grand opening, unveiling Latvia's first major energy storage facility. Hoymiles, as a key technology ...

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 ...

Hoymiles, a Chinese solar inverter manufacturer, provided the BESS enclosures and power conversion system inverters. The BESS will enable the storage of excess wind ...

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