

## SolarTech Power Solutions

# How many solar power generators are there in Lithuania



## Overview

---

As of 2012, Lithuania has 1,580 small (from several kilowatts to 2,500 kW) solar power plants with a total installed capacity of 59.4 MW which produce electricity for the country, and has an uncounted number of private power plants which make electricity only for their owners. [8].

As of 2012, Lithuania has 1,580 small (from several kilowatts to 2,500 kW) solar power plants with a total installed capacity of 59.4 MW which produce electricity for the country, and has an uncounted number of private power plants which make electricity only for their owners. [8].

In 2023, renewable energy sources accounted for 76.4% of electricity generation in the country, up from 18.2% in 2010 and 1.4% in 1990. [1] Renewable energy in Lithuania by type (as of 2022): [2] Solid biofuel or biomass represents the most common source of renewable energy in Lithuania. [2] Most.

Lithuania added 240 MW of solar in the first half of 2025, pushing cumulative capacity past 2 GW, with residential systems making up more than half of the total. Lithuania installed 240 MW of solar during the first half of 2025. The figure takes the country's cumulative solar capacity to 2,230 MW.

Lithuania added 240 MW of new solar capacity in the first half of 2025, bringing its total operational solar power to an impressive 1.7 GW. This significant increase is accompanied by a boost in battery storage capacity, with a newly added 58 MW bringing the total to 282 MW. These developments.

Lithuania added 870 MW of solar in 2024, setting a new calendar-year record and surpassing the 572 MW installed in 2022 and 536 MW in 2023. The additions raised Lithuania's total solar capacity to more than 1.97 GW, including nearly 1.4 GW of residential solar and 583 MW of utility-scale capacity.

Lithuania's renewable energy targets, particularly in solar PV, have exceeded expectations with 1.2 GW of total solar capacity already installed, surpassing

the 2025 goal. The government has set more ambitious targets of 2 GW by 2030, with revised NECP drafts aiming for a 500% increase to 5.1 GW.

, and hydroelectric power. Wind power generation increased from 1.513 TWh to 2.524 TWh annually, solar power from 0.273 TWh to 0.633 TWh, and hydroelectric power from 0.101 TWh to 0.101 TWh annually in Lithuania. This demonstrates a substantial commitment to transitioning towards a greener and more sustainable energy system. How much solar power does Lithuania have in 2025?

Lithuania added 240 MW of new solar capacity in the first half of 2025, bringing its total operational solar power to an impressive 1.7 GW. This significant increase is accompanied by a boost in battery storage capacity, with a newly added 58 MW bringing the total to 282 MW.

How many solar power plants are there in Lithuania?

As of 2012, Lithuania has 1,580 small (from several kilowatts to 2,500 kW) solar power plants with a total installed capacity of 59.4 MW which produce electricity for the country, and has an uncounted number of private power plants which make electricity only for their owners.

What is the capacity of a geothermal power plant in Lithuania?

Kaunas Hydroelectric Power Plant, has a capacity of 100.8 MW. Klaipėda Geothermal Demonstration Plant, the first geothermal heating plant in the Baltic Sea region. In 2024, Lithuania had capacity of 2,567 MW of solar power (compared to only 2.4 MWh power in 2010).

What's happening in Lithuania's Energy Community?

Lithuania's energy community framework is evolving, with a focus on facilitating participation and oversight. Additional measures are needed to raise awareness and enhance infrastructure, such as the delayed smart meter rollout. As of February 2024, Lithuania boasts over 61,000 prosumers and 800 MW of solar capacity.

How much electricity does Lithuania use?

Despite these efforts, Lithuania's latest electricity consumption is still far from its historic peak. In 2025, the per capita electricity consumption stood at 3,882 kWh, a stark contrast to the record high of 7,933 kWh per person noted in 1991. The change represents a reduction of more than 4,000 kWh per person.

How many remote generating consumers are there in Lithuania?

During the first half of 2023, the number of remote generating consumers more than doubled – more than 13,000 of them were connected to the grid. As of February 2024, there were more than 34 thousand remote generating electricity consumers in Lithuania with a total 202.7 MW capacity.

## How many solar power generators are there in Lithuania

---

### Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.zegrzynek.pl>