

Electricity generated by solar panels on rooftops in Finland





Overview

Is solar power a real thing in Finland?

Many Finns are already familiar with solar power: solar panels can be found on the roofs of many homes, summer cottages and workplaces. As technology develops, industrial-scale solar power production is also becoming more common in Finland. Finland is undergoing a major energy transition.

Why is industrial-scale solar power production becoming more common in Finland?

As technology develops, industrial-scale solar power production is also becoming more common in Finland. Finland is undergoing a major energy transition. Moving away from imported fossil fuels and towards local, clean energy production will create the basis for new industrial investment.

Can solar power improve the profitability of buildings in Finland?

LUT University has investigated how the profitability of solar electricity could be improved in different types of buildings in Finland. Researchers have debunked myths related to the orientation and dimensioning of solar photovoltaic systems and sales of surplus electricity.

What is Finland's solar power production capacity?

At the end of 2023, Finland's installed solar power production capacity was approximately 1,000 MW, most of which was micro-generation. The total capacity increased by more than 300 MW over the year.



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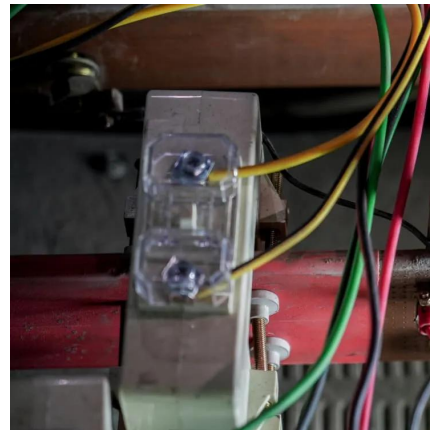


[Experiences from seasonal Arctic solar photovoltaics \(PV\) ...](#)

Nov 1, 2023 · An estimated country-aggregated rooftop solar photovoltaic (PV) provides 25% of the EU's electricity consumption, more significant than the current share of natural gas [2]. ...

[SATO continues investing in renewable energy - Solar panels](#)

Mar 27, 2025 · This year, the number will double. The solar panels installed on the rooftops of our properties already produce around 800,000 kWh of renewable energy annually.



[Solar energy and solar electricity in Finland](#)

Apr 18, 2023 · Solar energy and solar electricity in Finland Contrary to popular belief, Finland's solar energy potential doesn't fall short of that of Central Europe. In the summer, the long days ...



[Rooftop laboratory: Improving the understanding of optimal ...](#)

Mar 6, 2025 · In northern conditions, solar power generation is significantly affected by seasons, the sun's altitude, geographical location, temperature, and snowfall. The impacts were ...



Solar energy is becoming an important part of Finland's ...

Annual Solar Irradiation: Ranges from 2.4 to 3.5 kWh/m²/day, with better performance in southern Finland
Sunshine Hours: Around 1,600-1,900 hours/year
Best Locations: Southern and ...



Solar Power in Finland: Growth, Subsidies & Future Goals

Jul 18, 2025 · Explore the rapid growth of solar power in Finland, backed by EUR16.6M in subsidies. See how Finland's solar energy strategy is paving the way to carbon neutrality.



Rapid growth of solar power in Finland could crash summer electricity

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Solar power in Finland

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Solar power production capacity rose to 1,000 megawatts

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