

Solar power in Finland

How much solar power does Finland have?

According to the preliminary data of the Energy Authority, at the end of 2023, Finland had approximately 1,000 MW of installed solar power production capacity, 936 MW of which was micro-generation and 50 MW from industrial-scale power plants. Unconnected capacity totalled approximately 23 MW.

How much solar power does Finland have in 2023?

The total capacity increased by more than 300 MW over the year. According to the preliminary data of the Energy Authority, at the end of 2023, Finland had approximately 1,000 MW of installed solar power production capacity, 936 MW of which was micro-generation and 50 MW from industrial-scale power plants.

How much power does Finland produce a year?

Unconnected capacity totalled approximately 23 MW. At the end of last year, Finland's grid-connected power production capacity was approximately 23,000 MW. Solar power accounted for around 4% of the grid-connected capacity. The production of solar power accounted for approximately 0.8% of the total power production in Finland in 2023.

How much solar power will Finland have by 2030?

In addition, Finland's transmission system operator Fingrid has received wind and solar power connection enquiries amounting to a total capacity of over 100 megawatts. Fingrid assesses that by 2030, the overall solar power plant capacity in Finland may climb to seven gigawatts.

Alight has strengthened its presence in Finland by acquiring two large-scale solar projects from developer 3Flash, adding over 200MW of planned solar capacity and battery storage. With this ...

Finland is increasingly investing in solar energy solutions, driven by government incentives and a growing public commitment to sustainability and carbon neutrality. The solar energy...

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.

At the end of 2024, the total capacity of solar power in Finland was approximately 1,200 MW, or 1.2 GW, which corresponded to 1.4% of Finland's total electricity production. The share of ...

The share of solar power in Finnish electricity production is approaching one percent and won't stop there: plans are in place to build several solar farms in Finland, each with hundreds of ...

Solar power helps balance Finland's electricity generation, as solar and wind power are produced at different times. Solar power operations support Finland's goals of increasing self-sufficiency in energy ...

Finland is emerging as a northern solar energy leader, with around 300 industrial-scale projects in the pipeline. Discover how researchers and companies are turning low sunlight into high-impact innovation.



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Read about solar power production, its costs and environmental effects and the project development of the solar power plant. Renewables Finland currently maintains three up-to-date lists and statistics ...

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Solar power is a key part of Finland's and Europe's green transition. Yet its rapid expansion may bring unintended consequences: a new study shows that large-scale deployment of ...

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