

Does Denmark have many photovoltaic sites





Overview

In 2012, new photovoltaic installations had surged to unprecedented levels in Denmark. This twentyfold increase in photovoltaic capacity in only one year urged the Danish government to cut back its net-metering scheme.

Solar power in Denmark amounts to 4,208 MW of grid-connected PV capacity at the end of March 2025, and contributes to a government target to use 100% renewable electricity by 2030 and by.

Solar power provided 1.4 TWh, or the equivalent of 4.3% or 3.6% of Danish electricity consumption in 2021. In 2018, the number was 2.8 percent. Denmark has lower solar insolation than many countries closer to Equator, but lower temperatures.

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Solar heat plants are widespread in Denmark, with a combined heating capacity of 1.1 GW in 2019. A large solar-thermal district heating plant 55% of the year.

There are 21 Solar photovoltaic power plants in Denmark. A random selection of cities, including Svinninge and Ruds Vedby , features a substantial number of Solar photovoltaic power plants locations— 1 in Svinninge and 1 in Ruds Vedby .How many solar PV installations are there in Denmark?

The latest version can be found below and shows a total expansion of solar PV in Denmark of more than 3.3 GW as of 1 July 2023. The installations consist of both large installations in the open country as well as smaller installations, mainly on rooftop. Solar PV Statistics 2nd quarter 2023 (Only available in Danish).

What is the solar PV market in Denmark?

According to GlobalData, solar PV accounted for 22% of Denmark's total installed power generation capacity and 10% of total power generation in 2023. GlobalData uses proprietary data and analytics to provide a complete picture of this market in its Denmark Solar PV Analysis: Market Outlook to 2035 report. Buy the report here.



What percentage of Denmark's electricity is generated by solar PV?

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How much solar does Denmark have in 2024?

The nation added 545 MW of solar last year, up from 378 MW in 2023 but down from more than 1 GW in 2022. The new additions bring Denmark's total solar capacity to more than 4 GW. Utility-scale installations drove Denmark's solar growth in 2024, with projects over 1 MW adding 356 MW, said Dansk Solcelleforening.

Does Denmark have a solar project backed by a PPA?

Germany's Belectric announced plans for a 135 MW solar project in Denmark last year. Energicenter Nord also revealed a solar project backed by a power purchase agreement (PPA) with 25 Danish companies, marking the nation's largest PPA by number of signatories.

How much solar power will Denmark have in 2021?

Projections of future capacity have continued to increase; a total of 9,000 MW (9 GW) is expected to be installed by 2030. Many solar-thermal district heating plants exist and are planned in Denmark. Solar power provided 1.4 TWh, or the equivalent of 4.3% or 3.6% of Danish electricity consumption in 2021.



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[Forecast: Solar Energy Consumption in Denmark](#)

Between 2013 and 2023, Denmark's solar energy consumption grew significantly, as indicated by a Compound Annual Growth Rate (CAGR) of 17.32% over the last five years. Year-on-year ...

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[Denmark Solar Power Market Outlook to 2030](#)

In the upcoming years, the Denmark solar energy market is anticipated to expand significantly. Solar power installations in the nation are anticipated to increase from 3,140



MW in 2022 to ...

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