

A-Core Container

Danish solar power generation 500 panels



Overview

Denmark has lower solar insolation than many countries closer to Equator, but lower temperatures increase production. Modern solar cells decrease production by 0.25% per year. Overview Solar power in Denmark amounts to 4,832 MW of grid-connected PV capacity at the end of September 2025, and contributes to a government target to use 100% renewable electricity by 2030 and .

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 count.

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-round heating needs of the town of.

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