

A-Core Container

Danish solar panel system



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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