

Solar installation denmark

We have many years of experience. This gives DanSolar a strong position in today's market, as we have both quality products within technology and design, as well as a wide range of specialised knowledge within all product and customer segments.

In the long term, Denmark must be independent of fossil energy sources, and since the operation of buildings accounts for approx. 40% of the total energy consumption in Denmark, it is necessary to have a tight but realistic strategy for both new construction and energy renovation of existing buildings.

The Danish Energy Agency works in various ways to promote the development of solar energy on land. The Danish Energy Agency administers several rules and schemes, including previously offered subsidy and support schemes, schemes to promote local acceptance of the expansion of renewable energy, grid connection rules, etc. The municipalities are the planning authority for the installation of solar energy on land.

The Act on the Promotion of Renewable Energy four schemes aiming at promoting the acceptance of the local population of the development of wind turbines and solar PV installations. The schemes are administered by the Danish Energy Agency.

In addition, the Guarantee Fund provides a guarantee to local communities for the financing of feasibility studies etc. in relation to the installation of wind turbines or solar PV.

The Danish Energy Agency administers support schemes for solar PV installations, which include both smaller rooftop installations as well as larger installations in the open countryside.

Historically, large proportions of solar PV installations in Denmark have been dependent on financial support to make electricity production profitable. Therefore, there have been several different support schemes to promote the expansion of solar PV in Denmark over the years. These have both supported electricity production through direct subsidies and more indirect support in connection to the calculation of taxes. Today, subsidies are no longer granted for new solar energy plants and the technology, therefore, operates on market terms.

The Danish Energy Agency has developed a website with information on the establishment of renewable energy installations, including solar PV installations. The website, which is aimed at professional developers, provides a detailed step-by-step guide to the process and the permits required to install renewable energy plants.

DANISH SUN ENERGY is a leading PV system solution provider and has capabilities from technology, financing, engineering, planning, implementation, commissioning, service & maintenance for a PV Solar

Plant.

To get an optimum utilization of a Solar Cell System the panels must be mounted on a shadow free surface (for example a roof), facing north or south (depending of the hemisphere you are on) at an angle roughly equal to your latitude. Remember that even partial shadow will reduce the effect of the solar module.

At installation you must note that the angle of the Solar Cell Panels influences greatly on the efficiency of the solar energy conversion. The solar angle and hereby the shadows changes by the seasons. The following figure (for Denmark) illustrates, how the energy production correlates with the angle .

Solar power in Denmark amounts to 3,696 MW of grid-connected PV capacity at the end of June 2024,¹; and contributes to a government target to use 100% renewable electricity by 2030 and 100% renewable energy by 2050.²; ³; Solar power produced 9.3% of Danish electricity generation in 2023, the highest share in the Nordic countries.⁴; ⁵;

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