

# Danfoss Company and the Danfoss Solar Inverters Technology



## Danfoss and Bright Green Business solutions

The Danfoss Company and Danfoss Solar Inverters (now part of the SMA Company) demonstrate Bright Green Business - how to grow your business focused on Climate & Energy solutions and help customers save CO<sub>2</sub>.

## Danfoss is a global leader in Climate & Energy solutions

Danfoss engineers technology that enable the world of tomorrow to do more with less. The Danfoss company employ 22,500 people in more than 100 countries. Climate & Energy solutions are key to the success of Danfoss. Explore how Danfoss is Engineering Tomorrow by watching the Danfoss movie: <http://www.danfoss.com/about/engineering-tomorrow/> (<http://www.danfoss.com/about/engineering-tomorrow/>)

Danfoss has its global headquarter in Sonderborg and is a major contributor to ProjectZero with own energy efficiency initiatives, technology and sponsorship.

## Bright Green Business solutions

A photovoltaic system consists of PV-panels converting the solar energy into AC and inverters converting AC into DC. The DC-power can either being used on the spot or fed into the grid.

The Danfoss Solar Inverters manufacturers some of the world's most efficient "inverters" for solar panels. When they are connected to the PV-panels, Power is converted from AC to DC with minimal loss of energy as almost 98% of the energy is preserved. The Danfoss inverters also continuously optimize the PV-panels efficiency in order to maximize the overall system energy efficiency.

The Danfoss Solar Inverters was born as an internal Danfoss project in 2002, during 2007 the company started growing. Today the Danfoss inverter technology is part of the SMA Company, but still engineered and manufactured by the Danfoss Company.

### Infoboks:

Danfoss and Möhring Energie GmbH have developed one of the largest solar facilities in the world with more than 80 MW in Eggebek, Germany.

The 130 hectare is now home for over 5,200 TLX string inverters utilizing patented SmartTechnology.

See the film (<http://danfoss-webtv.digizuite.dk/default.aspx?aid=2389&bhcp=1&bhsp=6380750&bhq=1>)

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