

Ports of Stockholm commits to solar cell systems

To increase the use of renewable energy Ports of Stockholm has chosen to commit to solar cell systems. The company currently has five facilities and the ambition is to build more in the long term.

Ports of Stockholm's solar cell systems can produce electricity at a cost that is comparable to the purchase price of the electricity market. The facilities have a guaranteed effect of at least 25 years and experiences so far are positive.

The first facility, on the roof of the Magasin 6 building at Frihamnen port, was inaugurated in 2013 and is one of Sweden's largest solar cell systems on a roof. It has raised great interest and regularly attracts study visits from many different countries.

The second facility is on the roof of the Port of Nynäshamn port office building. It came into operation in December 2014 and was expanded during the summer of 2015.

The third solar cell system was built in 2015 in Port of Kapellskär and during the summer of 2016 the fourth facility was placed on the roof of the new Värta Terminal in Värthamnen port.

During 2017 the fifth facility came into operation at Banankompaniet in Frihamnen port.



Facts about the solar cell systems

Frihamnen port - Magasin 6

- 885 solar panels
 - Total solar cell system surface area: 1,400 m²
 - Maximum power output: 225 kW
 - Estimated annual electricity production: 200,000 kWh
 - Total cost of facility: SEK 3 million
- Ports of Stockholm was granted 35 % (SEK 1 million) in state subsidies
- Cost per installed kW (including subsidies): SEK 8,900

Frihamnen port - Banankompaniet

- 275 solar panels
 - Total solar cell system surface area: 440 m²
 - Maximum power output: 83 kW
 - Estimated annual electricity production: 75,600 kWh
 - Total cost of facility: SEK 1.1 million
- Ports of Stockholm was granted 30 % (SEK 330,000) in state subsidies
- Cost per installed kW (including subsidies): SEK 9,300

Värtahamnen port - the Värta Terminal

- 166 solar panels
- Total solar cell system surface area: 270 m²
- Maximum power output: 55 kW
- Estimated annual electricity production: 55,000 kWh
- Total cost of facility: SEK 870,000
- Cost per installed kW: SEK 15,800

Port of Nynäshamn - the Port Office

- 500 solar panels
 - Total solar cell system surface area: 2,800 m²
 - Maximum power output: 125 kW
 - Estimated annual electricity production: 125,000 kWh
 - Total cost of facility: SEK 1.4 million
- Ports of Stockholm was granted 35 % (SEK 480,000) in state subsidies
- Cost per installed kW: SEK 7,400 (including subsidies)

Port of Kapellskär - Custom's building

- 255 solar panels
- Total solar cell system surface area: 400 m²
- Maximum power output: 60 kW
- Estimated annual electricity production: 55,000 kWh
- Total cost of facility: SEK 1.17 million
- Cost per installed kW: SEK 19,400

