

# **Solar panel for agriculture land Sweden**





## Solar panel for agriculture land Sweden

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### Agrivoltaics introduced to solar farm

On one of Sweden's largest solar farms located near Åhus in Skåne (a joint investment project between Nolato, electricity company Bixia and solar energy company Alight) agrivoltaics has been introduced. Through a partnership with a local shepherd, sheep will now mow the grass on the 7 MW solar park in Åhus.

### Sweden's first large-scale solar combines

The solar park, called Solvallen, uses agrivoltaic technology where vertical, double-sided solar panels are used, which enables continued use of the land for the cultivation of pasture. - This project contributes to solving national goal conflicts, namely between land use for electricity production and agriculture.



### Combining solar farming with agriculture - Agrivoltaics

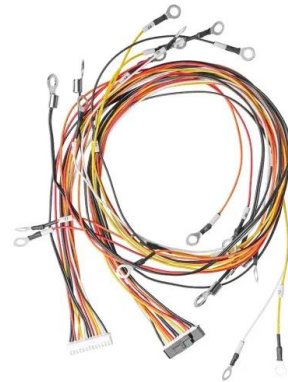
Agrivoltaics means combining solar energy production with agriculture on the same land area. In other words, solar panels or photovoltaic systems are installed above or next to crops, allowing the simultaneous production of both solar energy and agricultural products.

### Double food production with Sweden's largest agrivoltaic park

The solar park that Svea Solar has built together



with Ekoväx is Sweden's largest agrivoltaic park of 13 hectares and combines classic agriculture with solar energy production. It is now clear that Ljustgård will buy the electricity from the solar park, a production that is expected to be up to 8 GWh per year, which more than covers



## Agriculture

SolarEdge has entered into a collaboration with Scania Regional Council in the south of Sweden to explore the potential of agrivoltaics (Agri-PV), the combined production of solar energy and agricultural crops on the same land.

## Unique project for Sweden - combining solar panels and agriculture

Generates more electricity than Sweden uses. Bengt says that radiated solar energy towards the Earth's land surface is about 1,000 times higher than the world's energy use. According to a theoretical calculation he has done, solar parks on agricultural land alone would generate more electricity than Sweden's annual use for electricity. "Even



## Combining Solar Energy and Agriculture - Sweden's

Sweden's first large-scale agrivoltaic solar park is currently under construction in Hova, near Mariestad. The solar park is a collaboration between Svea Solar and Ekoväx, Sweden's largest solar cell provider and its ...



### Combining Solar Energy and Agriculture - Sweden's

Sweden's first large-scale agrivoltaic solar park is currently under construction in Hova, near Mariestad. The solar park is a collaboration between Svea Solar and Ekoväx, Sweden's largest solar cell provider and its largest ecological farmer, aiming to integrate solar energy with rapeseed (raps), wheat (vete), and pasture (vall) cultivation.



### Agrivoltaics in Skåne

This project will examine technical, economical and legislative challenges and possibilities for combining agriculture and energy production in land-based solar parks in Skåne, so called agrivoltaics systems.

### PV and farming:

The Agrivoltaic team at Mälardalen University/Sweden has been awarded the Solar Energy Prize of Svensk Solenergi in the Achievement of the Year category for their research project that investigates the possibilities of combining solar cells ...

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## **Sweden's first large-scale agrivoltaic park inaugurated**

Swedish solar energy company Svea Solar has developed Sweden's first large-scale agrivoltaics park. The 6 MW solar park, located in the Gullspång municipality of western Sweden, covers 13

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