

SEAT al Sol

Martorell, Catalonia (Spain)

10,6 MW Rooftop installation using Trina Solar's multicrystalline modules

- TSM-PC05 230W
- 320.000 square meters surface

10,6^{MW}

System

7.750^{T CO₂}

Emissions avoided

41.000

modules

**Commercial
rooftop
system**

An ambitious project to generate large-scale clean energy with Trina Solar solar panels on the roofs of SEAT factory's parking areas in Martorell



SEAT had the need to incorporate new techniques in their production process to make it as environmentally friendly as possible. Gestamp Solar accepted this challenge and in conjunction with Trina Solar gave birth to *SEAT al Sol*. This is an ambitious project to generate large-scale clean electricity with solar panels on the roofs and parking areas at its factory in Martorell.

This innovation provides a dual functionality: renewable energy is generated while Trina Solar modules protect cars against adverse weather.

Trina Solar modules create a shade to protect the paint from the effects of UV rays from the sun. Moreover, they present the maximum efficiency even with low sunlight, cloudy sky or even snow. As an added benefit, the installation presents a low environmental impact as there was no additional land occupation for being created on facilities already built.

For the first phase a pilot plant was built on the roof of SEAT headquarters. For the next phase, two plants were built on

the roofs of assembly Workshops and on the canopies that cover two parking areas for finished vehicles. Afterwards, new plants located on the roofs of other Workshops at Martorell factory and on the canopies of other parking lots were built.

Once SEAT Project finished, solar panels will be covering the roofs of six plants, six Workshops and the canopies of four parking areas. A total of 1.768.947 kWh of electricity had been generated. The first two plants already reduced 2800 tons in annual emissions of CO₂, and these new plants will prevent the emissions into the atmosphere of 6.200 tons of CO₂ per year.

The fact that Trina Solar modules were chosen for this great project confirms the reliability and quality of the company's products.



Name of the project

SEAT al Sol

LOCATION

Martorell, Catalonia, Spain

TYPE OF INSTALLATION

Commercial rooftop

SIZE OF PROJECT

10,6MW

PRODUCT

TSM-PC05 230W

NUMBER OF MODULES

41.000

ANNUAL OUTPUT

15.000.000 kWh/year

Trina Solar's multicrystalline module: TSM-PC05

This is currently the most popular module of Trina Solar. Versatile and adaptable, is perfect for large-scale and commercial rooftops. It uses reliable and carefully selected components that are certified by Trina Solar's Center of Excellence. The module comes with a linear power warranty of 25 years.