Trinasolar
Smart Energy Together

247,500kWh
Annual electricity output

PV system powering
water pumping station

613
modules

Ground-mounted PV system

"As an EPC contractor and as a company which is aiming to be a player in the energy market of Turkey, we cannot afford taking wrong decisions. That is the first of many good reasons why we have decided to work with Trina Solar. Starting from the development of the project until the day that the modules were installed, Trina Solar representatives have given us full support".
Taha Pinar, DBE Enerji

Agriculture constitutes the main economic activity for Pamukçu, a village near Balıkesir in Turkey. The soil conditions in the region are not as arid as the ones in the Central and Southeast Anatolian regions of Turkey. One of the most significant cost factors for the farmers is energy, which is mainly needed for irrigation purposes, as the access to water is essential for their livelihood. With regards to increasing electricity prices, cutting dependencies from expensive fossil energy imports makes sound sense.

Trina Solar supplied the Turkish Balıkesir Pamukçu Irrigation Association with a total of 613 PV modules. The multi-crystalline TSM-PC05-245 modules, with a power output of 150 kWp, generate electricity for the village's water pumping station and so support the community in reducing their energy costs. This, in turn, helps to increase the profit from selling their produce.

The rural areas in Turkey often have a lack of water and electricity – but plenty of sun. By linking a PV system to a water pumping station, both issues can be resolved in a sustainable way. The PV system provides the Irrigation Union with an independent water supply and reduces people's energy bills. Trina Solar is proud to support local communities with cutting-edge solar technology.

This is the very first agricultural solar power project of this scale among all the Irrigation Unions in Turkey and could set an example for a highly efficient and profitable way to reduce energy costs and support local farmers.

Pamukçu Village
Non-agricultural land

BUSINESS PARTNER
DBE Elektrik Mühendislik Proje ve Danışmanlık Limited Şirketi

LOCATION
Balıkesir City - Pamukçu Village Turkey

SYSTEM TYPE
Ground-mounted

SYSTEM SIZE
150 kW

PRODUCT
TSM-PC05-245W

NUMBER OF MODULES
613

ANNUAL ENERGY OUTPUT
247,500 kWh

Trina Solar TSM-PC05A
The Honey Series

Some of the industries' most trusted and awarded PV modules, over 2GW of the PC05 series has been installed across the globe. Recently enhanced with Trina Solar's patented Honey technology, the modules' high level of reliability is reinforced by a range of stringent quality control measures. Certified to withstand challenging environmental conditions, the modules offer industry-leading levels of safety and reliability, and are optimized to maintain their power output during low-light periods.