Trinasolar
Smart Energy Together

CASE STUDY

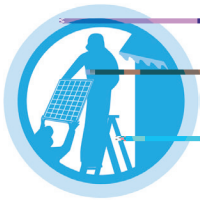
CALATAGAN SOLAR POWER PLANT, PHILIPPINES

OVERVIEW:

The Calatagan Solar Power Plant is the largest solar facility in Luzon, Philippines. With 200,000 Trina Solar TSM-PC14 modules installed, this facility is generating enough power for the whole of the western Batangas province.

SIZE: 63.3MW
SYSTEM TYPE: Ground Mounted

COMMERCIAL OPERATION DATE: March, 2016



DEVELOPER: Solar Philippines

MODULES: 200,000 Trina Solar Tallmax TSM-PC14

CO_2 SAVINGS: 33,333 tons/year

SITUATION

Calatagan has long been known as a small and picturesque seaside resort town in the Batangas Province (Southern Tagalog) of the Philippines. Since March 2016, the peninsular town is now also known as being the site of the largest solar facility in Luzon, Philippines – the 63.3 megawatt Calatagan Solar Farm, located near the foothills of Mount San Piro.

Over 200,000 Trina Solar TSM-PC14 solar panels are installed over an expansive 160-hectares, generating a substantial amount of clean energy, enough to power the whole of western Batangas. The solar farm also enjoys optimum weather conditions – receiving a steady breeze off the South China Sea, the highest levels of sunshine in Southern Tagalog, and seldom hit by typhoons.

Developed by Solar Philippines, a full locally owned project developer and EPC, the new solar farm is the first project that is fully developed, financed and constructed by a local renewable energy company at a facility of this scale.

TECHNICAL CHALLENGES

For a project of this scale and capacity with the added pressure of timely completion, strong partnerships and reliable suppliers were critical to its success. With an established track record of supplying large capacity solar farms, Trina Solar was the choice for solar panels.

The product chosen, the Trina Solar Module PC14, 315W solar panels, was ideal for an installation of this nature. The modules have a high power footprint which reduces installation time and balance-of-system (BOS) costs, making this solution an optimum choice for large scale projects.

Trina solar panels are built to withstand the toughest of conditions and have been the choice for many developers looking for a top quality product in delivering their solar energy targets.

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