

CASE STUDY

GoodWe supports 1.8MW Bi-facial high power modules in Jamnagar, India

Background:

Seven Solar Energy is a leading Solar professional services company based in Gujarat-India, effectively associated with giving techno-commercial services in the energy area. With its persistent work towards sustainability and helped by profoundly capable group SEVEN SOLAR ENERGY turns into the pioneer in giving consultancy administrations in the zones of Renewable energy, Energy Productivity and Clean Advancement System.

Seven Solar Energy has industrial presence since 1992 with wide industrial experience. They have completed more than 20 industrial rooftop projects and more than 200 residential sector projects in less than a year's time. They are masters in giving complete Engineering, Procurement, and Construction Management (EPC) administrations for business-scale environment friendly power establishments.



Project Information

Project size: Total Capacity - 1.8MW
Solar panel: Trina 495Wp Bi facial, Half Cut Solar Panel
Inverter: GoodWe GW250K-HT
Location: Manekpar Village, Dhrol, Jamnagar, India
EPC: Seven Solar Energy

Project overview :

Presenting a first of its kind Single Axis solar tracker project with Bi-Facial solar panels in Jamnagar, Gujarat – India. This 1.8MW project is eyeing on 24% Plant Load Factor over the years, which will be highest yield among present plants.

- ✓ Its unique design will help reduce the maintenance effort and cost. The plant is powered by GoodWe 250KW -1500VDC inverters with Fuseless design and real time string monitoring.
- ✓ The Inverters are enabled with Smart PID recovery feature which will support complete plant to work on higher performance by reducing the effect of PID on modules.
- ✓ Power line carrier communication (PLCC) adopted for communication to reduce maintenance effort, cost, and achieve flawless monitoring & operations.
- ✓ GoodWe provided it's 250kW inverter which is compatible with high power modules, has Smart O&M along with enhanced safety.

“ We have developed single axis tracker structure with bifacial solar module of 495 wp capacity and 8 pc of GoodWe inverters of 250 kw which was used first time in Gujarat at one of our plant. We have used power line communication system for monitoring along with PID recovery feature in this plant which is highly robust technology in GoodWe inverters. The GoodWe inverters which we have used in our plant are the only inverters which are best for bifacial facility gain sustainability and pick performance generation. As per the technical aspect we can achieve 1:1 ratio for DC to AC conversion. ”



Mr. DIVYANG PATEL
Director- Seven Solar Energy

“ We are very satisfied with the new launched product of GoodWe inverters which was used in our plant and hats-off to the service team of the company we didn't face any problem throughout the project. ”

