



GoodWe Performance through the roof in India's solar hotspot

15MW solar projects installed in Saurashtra

Background:

The Saurashtra region of Gujarat, India is a naturally blessed location with a strategic geographical advantage of abundant sunshine throughout the year, which makes the region a natural solar hotspot. Due to this unique advantage, India ranks first in average sunlight among the top 20 economies.

The projects are owned by Microtech Rollers Pvt. Ltd., an ISO/TS 16949:2009 certified company founded in 1994, manufacturer of forged and machined bearing races. They installed bearing forging line and started production in 1994. As a responsible corporate entity, the company intends to transition its production line towards renewables and lower its carbon footprint.



Solution:

Seizing Saurashtra's potentials, Microtech Rollers Pvt Ltd had many solar projects installed around the region:

- 3MW in Toda
- 3.5 MW in Toda
- 2.8 MW in Fagas
- 4MW in Khirasar
- 1.7MW in Lakhatar

136 GoodWe MT80KW inverters were chosen for this landmark setup. 4 MPPT and 150% DC oversizing makes GoodWe MT series the ideal choice for medium to large-scale commercial roofs and farm plants. The MT series is able to operate in full load even at 50 degrees which maximizes the ROI for the investor.



Installation details

Owner: Microtech Rollers Pvt Ltd
 Location: Various sites in Saurashtra region
 System Capacity: 15MW
 Panels: 40,800 solar panels
 Inverters: GW- MT80K * 136 units
 Electricity generation: 27GW/ year

“ We purchased 136 inverters from GoodWe and installed them at our various sites in Saurashtra region, we have our best site at Khirasara which is 4 megawatts of single axis solar trackers in which GoodWe inverters are performing at peak levels for 6 hours daily. We are extremely satisfied with the power output of GoodWe inverters and the monitoring system which GoodWe provides with their inverters is also exceptional. ”

Mr. Harsh Bhanvadia from Microtech Rollers Pvt Ltd.

Environmental effect:

PV generation spares 19,134,427 kg of Carbon Dioxide, equivalent to



94,870,455
 Square meters of forest in a year



4,161 Cars driven for 1 year



9593 tonnes of coal burned



8,150,298 liters of gasoline consumed



2,327,562,323 smartphone charges



2,304 home's annual electricity consumption

About GoodWe

GoodWe is a world-leading PV inverter and energy storage solutions manufacturer and is listed as a public limited company on the Shanghai Stock Exchange (Stock Code: 688390).

With an accumulative delivery of more than two million inverters and installation of 23GW in more than 100 countries and regions, GoodWe was ranked as the Global No.1 storage inverter by Wood Mackenzie in 2020.

GoodWe has also ranked as one of the Top 10 inverter suppliers by IHS Markit and has achieved six consecutive TÜV Rheinland "All Quality Matters" Awards. The great reputation of the MT-Series is spreading across continents and the pace of our global deployments is expanding rapidly.