



# Royalty meets Sustainable Energy with GoodWe at the Oberoi Vanyavilas Wildlife Resort

## The Perfect fusion of human and nature

### **Background:**

Rajasthan in India is among the top locations for estimated solar energy potential in the country. The geographical conditions of the state are favorable for solar power generation.

Ranthambhore National Park in Rajasthan is home to Ranthambhore Fort: a vast UNESCO World Heritage Site that overlooks the park and dates back one thousand years. The National Park was declared a wildlife sanctuary in 1957 and in 1974 it gained the protection of the Government of India's Project Tiger conservation programme. Since then, the numbers of resident tigers have been increasing because of dedicated conservation efforts in the area.

The Oberoi Vanyavilas Wildlife Resort is the best 5-star hotel in Ranthambhore, and offers luxury tented accommodation inspired by the opulent caravans of the royal families. Set in 20 acres of landscaped gardens, lakes and fountains, the resort borders on the Ranthambhore National Park & Tiger Reserve. A fine restaurant serving authentic Rajasthani and international cuisine. All accompanied by hospitality that is genuine and sincere.

The luxury hotel offers guests an unforgettable experience of staying camps that are designed tastefully. The hotel has won many prestigious awards for its services.

Capitalizing on the advantages of abundant sunlight in the area, the Oberoi Vanyavilas Wildlife Resort has chosen to adopt clean and green energy. It also drew inspiration from the National Park that conserves the Tigers and helps to maintain an environmental and ecological balance.

## Challenges:

The Resort is a Royalty Place and installing a solar power plant was a challenge because altering the beauty and aesthetics of the place was not permitted. The entire team had to be careful not to distort the property's architecture while commissioning the project.

The resort is surrounded by an open zoo and wild animals are free to roam in the premise so it is impossible to move around without the presence of security guards. The absence of any other mode of transport inside the area also made it difficult for team members to commute from one point to another.

## Solutions:

The team overcame all these challenges and successfully installed a 400kw Solar Plant in the resort with the support of Sterling & Wilson Solar Ltd. 8 GoodWe inverters of different capacities (1 GW60K-MT, 4 GW50K-MT, 1 GW25K-MT & 2 GW15KT-DT) powers this Plant now!



### Installation details

**Total Capacity:** 400KW

**Inverter Models and Quantity:** GW60K-MT\*1, GW50K-MT\*4, GW25K-MT\*1, GW15KT-KT\*2.

**Commissioning Date:** July-2021

**Detailed Location:** Ranthambore, Rajasthan, India

**Buyer (EPC/Developer) Info:** Sterling & Wilson Solar Ltd.

**Panel Supplier:** JA Solar-445Wp

GoodWe's MT series of inverter is the ideal choice for large-scale commercial roofs and farm plants. It boosts your power output up to an extra 115% to achieve a higher yield and quicker return on investment, improve your energy harvest with four MPPT trackers to minimize output losses caused by partial shading and other mismatch effects.

The MT series is equipped with an IP66 enclosure, which means that the inverter can prevent dust from entering and heavy storms caused by natural weather. The C5 corrosion class perfectly protects the inverter from animal damage, chemical gases and adverse atmospheric conditions.

The heat dissipation performance of GoodWe MT series is guaranteed by the excellent air channel design, smart cooling system control and deployment of high-quality components. The inverter can operate in normal status and ensure generation for customers even in hot summer day of tropical areas.

## Environmental effect:

PV generation spares 566,946 kg of Carbon Dioxide, equivalent to



**2,813,000**  
Square meters of forest in a year



**123** Cars driven for 1 year



**285** tonnes of coal burned



**241,490** liters of gasoline consumed



**68,964,810** smartphone charges



**103** 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.