

TATA POWER SOLAR



Your Rooftop, Your Savings Account

Rs. 10 LAKH * Annual Reduction in Your Electricity Bills for Next 25 Years



Trusted, dependable and long-lasting systems

ROOFTOP SOLAR

Your Ideal Investment For Your Idle Roof

** Mentioned for a period of 1 year for 100 kW system @ Rs. 7.2 per unit tariff*

WHY USE SOLAR POWER ?

RESPONSIBLE CITIZENS & BUSINESSES ARE LOOKING FOR SUSTAINABLE ALTERNATIVES, TO REDUCE THEIR ENERGY COSTS



Approx Rs. 2 CRORE¹ Saving

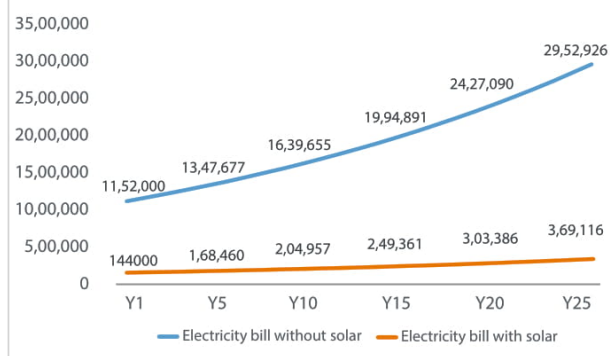
- Payback period of 4-5 years
- Grid independence against rising tariff
- Electricity tariff has increased by more than 50%² in 5 years time in many states



3000 Tonnes⁴ CO₂ Emission Mitigated

Equivalent to planting of **5000 Trees⁴**

Typical Electricity Bill Comparison with and without Solar³ (Rs.)



Minimum Maintenance

Solar rooftop system has no moving parts



Scalable Design

For easy upgrade & future expansion requirements



Accelerated Depreciation

Up to 40% accelerated depreciation in 1st year of commissioning as tax benefit in case of a business. Additional 20% depreciation permitted for manufacturing businesses.



LEED Certifications / Green Building Rating

Compliance with corporate social responsibility policies and sound investment in environment sustainability

1. Calculated for a 100 kW rooftop solar system assuming 1,400 units generation per kW per year. Electricity tariff calculated @Rs 7.2 / unit over project lifetime of 25 years

2. Year 1 to Year 6 refer to FY 2011 to FY 2016. Average tariff indexed to 100% for Year 1 and used across customer segments for the geographies Delhi, Rajasthan, Gujarat, Maharashtra, Andhra Pradesh and Kerala. (Source: Sigma Insight)

3. Indicated for a 100 kW solar rooftop system assuming 1400 units generation per kW per year and consumption of 160,000 units per year. Tariff assumed at Rs 7.2 / unit, with increase of 4% each year till 25th year.

4. Mentioned for 100kW system over 25 years lifetime. (Source : MNRE Website)

WHAT MAKES US THE TRUSTED NAME IN SOLAR POWER SOLUTIONS ?



3+ decades deep domain expertise - Only Indian solar EPC company to complete entire lifetime of a solar project



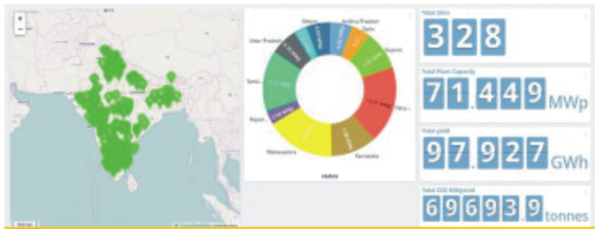
3.5+ GW of utility scale & 360+ MW of rooftop projects for a brighter India



Partner of choice for **15,000+ residential & 27,000+ total customers**



Pan India presence with a network of **over 170 channel partners**



24x7 remote monitoring & live data tracking of solar installations



Lifecycle service & support : Rapid support anywhere through TPS extensive service network



10 million tonnes carbon footprint reduced - Equivalent to planting of 17 million trees

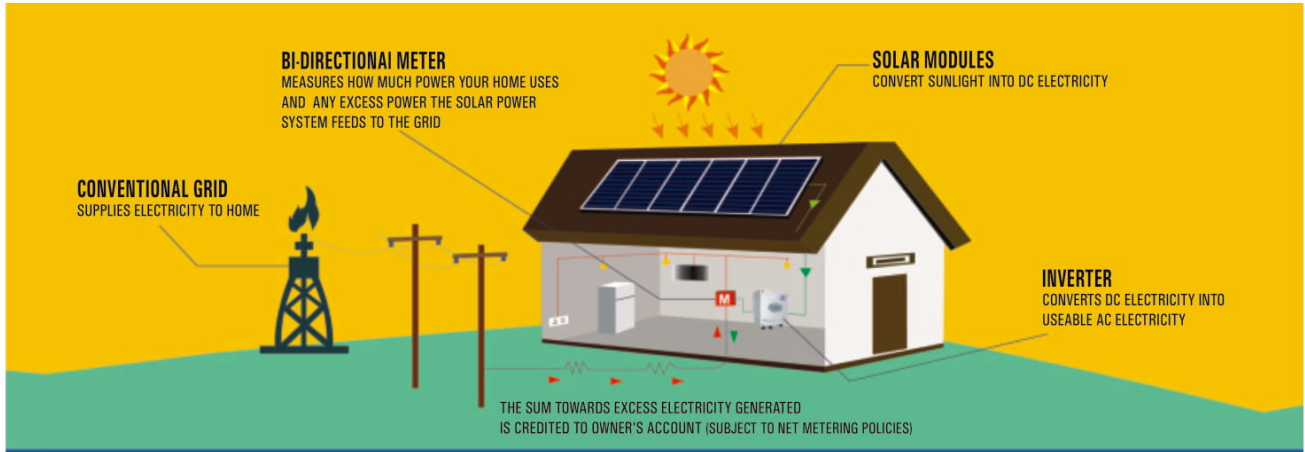


End to end and world class EPC



Grid-tie Solar Rooftop System

A Typical Rooftop Solar System Installation



Solar Modules

Solar module refers to a set of photovoltaic (PV) cells electrically connected and mounted on a supporting structure that converts solar energy into direct current (DC).



Manufactured on leading edge module production lines using world class processes



Reliability under extreme weather conditions



Reduced risk of failure warranty



Potential induced degradation free modules

Grid-Tie Solar Inverter

A solar grid-tie inverter converts the variable direct current (DC) output of a photovoltaic (PV) solar module into a utility frequency alternating current (AC) that can be fed into a power grid or used by a local electrical network.

TPS uses best-in-class grid-tie inverters that have special functions adapted for use with PV solar modules.



IP-65, environmental protection rating, can withstand extreme weather conditions



High yield output with maximum efficiency of over 97%



Ground fault monitoring



Anti-islanding feature - internal DC switch enabling auto shut down upon loss of utility supply (mandatory requirement for safety reasons by NEC - National Electric Code)



VDE / Golden Sun / IEC certified



Remote monitoring system with Ethernet / RF technology / WiFi*

*Available on request

SOLUTIONS TAILORED TO YOUR REQUIREMENTS FROM FEW KWs TO MULTIPLE MWs

CAPEX Model

In this model, the entire investment for solar rooftop installation is carried out by the customer. We provide turnkey installation of entire solar power system & hand over the asset to the customer.

Financing

Tata Power has tied up with **various banking and financial institutions** to provide customers various financing options. Under this model, instead of paying entire system price in one go, customers can **pay towards a monthly EMI** from the **electricity bill savings** generated due to installing a solar rooftop system. The customers can enjoy free of cost electricity once system cost is fully repaid.

OPEX Model

In this model, the customer signs up to **pay at a periodic basis** for a **certain minimum number of years** according to a **pre-defined power purchase rate** for the units consumed. This model is current available **only for installations above 200 kW** in size.

Landmark Installations



World's Largest 16 MW Rooftop Solar Plant at R.S.S.B. Educational & Environmental Society (RSSB-EES)



1 Million kWh of Solar Power Per Year – GE



**820.8 kWp at Brabourne Stadium
World's Largest Solar Powered Cricket Stadium**



50 kW Solar Vehicle Charging Station at Gujarat Secretariat

Innovations



Building Integrated PV
Dell International, Bengaluru



Carport
2.67 MW Cochin International Airport



Floating Solar
540 kW, Tata Chemicals, Nellore

OUR PRESTIGIOUS CUSTOMERS



VOICE OF CUSTOMERS



Our institution is 100% running on solar power. After installation of rooftop solar plant in our institution, we have been able to **save to the tune of 35 to 40 lakhs per annum** on electricity bills.

Mr. Anil Kumar Gupta,
HMR Institute of Technology & Management

By going solar, we realised that we had not only **saved our electricity expenditure** but **also saved our environment** by using the sustainable source of energy.

Mr. Shaheen Javid,
Lotus Temple



We are happy that we got our projects done by **TATA Power Solar** who are a **reputed & experienced company**. Our country & our society will get great benefits by installing Solar.

Mr. Rajesh Goyal,
G.T. Cold Storage Pvt. Ltd.

Our engagement with Tata Power Solar has been **very satisfactory**. We are **extremely satisfied** with Tata Power Solar and their **commitment**.

Mr. Murugesan,
Murugan Textiles



We have been able to get **over 13000 units of electricity** generation **per month** on an average from **our 100kW** rooftop solar plant.

Mr. Ajay Gupta,
Prabhat Warehouse Cold Storage Pvt. Ltd.



TATA Group - Committed to Nation Building

Through its efforts in renewables energy, Tata Power is committed to continuing the cause of contribution to nation building, that has been the core tenet of the Tata Group's existence for 150 years.



A pride for all Indians, the Taj Mahal Palace in Mumbai was set up 20 years before the Gateway of India in the year 1903

With welfare at its heart, Tata Steel has led the way in making the country self-reliant in industrial production



INDIAN INSTITUTE OF SCIENCE

The Indian Institute of Science, established in 1909, enabled CV Raman to undertake research in light scattering, for which he was awarded the Nobel Prize in 1930

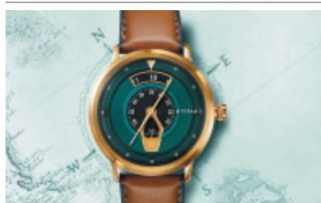
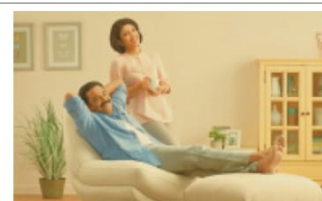
Later called as Air India, the country's first air service was inaugurated in 1932, as JRD Tata flew the inaugural flight from Karachi to Mumbai



TATA CHEMICALS LIMITED

Salt in India is known by the name of this Tata company that was set up in 1939 and gave the country its first iodized branded salt in 1983

Voltas has raised the quality of life for many Indian houses and industries through air conditioning and other comforts provided by Voltas' appliances and services



TITAN

Titan watches and Tanishq jewellery have been adding confidence and charm for their customers for over 25 years

TATA POWER SOLAR SYSTEMS LIMITED

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AUTHORISED CHANNEL PARTNER

R ENERGY

9025473760

To know more about our range of solar solutions

Call Toll Free 1800 419 8777 or SMS SOLAR space CITY NAME to 56677 or visit www.tatapowersolar.com