adani
Solar

Your Roof.
Your source
of Electricity.

Solar Rooftop Solutions

Your Roof > Your Source of Savings

Investing in rooftop solutions not only protects the environment, but also leads to great savings. Adani Solar offers solar rooftop for residential, commercial, industrial and institutional projects so you can experience energy efficient living, increase your savings and begin your journey towards building a sustainable tomorrow.

About Adani Solar

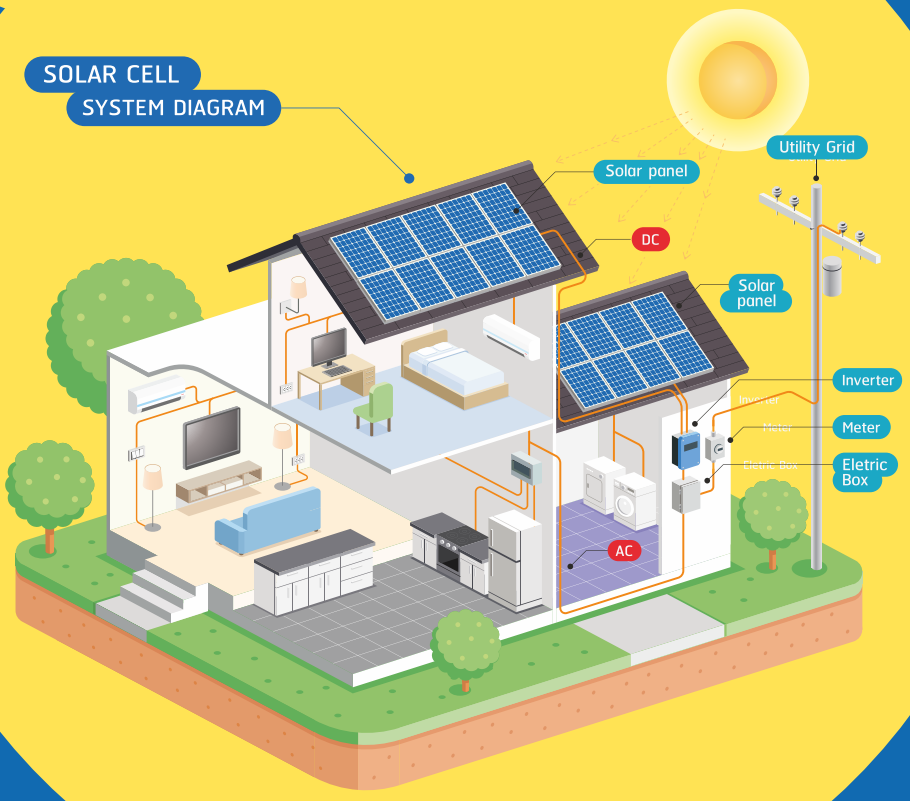
With a mission to electrify every household in India by harnessing the power of the Sun, Adani Group, one of India's largest private power producers, brings to you Adani Solar, India's largest Solar PV Cell and Module Manufacturing Company with a capacity of 1.2 GW. With world-class innovation and technology, Adani Solar is poised to usher in a greener and brighter future for everyone.

Backed by Adani Group, a USD 13 bn Indian Conglomerate, Adani Solar is one of the fastest growing rooftop and distributed solar EPC Company with over 250 MW projects commissioned and 400 MW under execution in over four continents.

- India's fastest growing Solar Company with pan India presence
- Largest manufacturing unit in the country
- Only Indian company to manufacture Photovoltaics cells
- Latest, state-of-the-art technology
- 'Top Performer' by DNV GL PVEL Global Reliability Testing for two years (2018, 2019)
- IEC 2016 certification
- Tier-1 supplier by BNEF
- Manufactures Bifacial module with up to 30% higher efficiency
- 24X7 service support

About Solar Rooftop

A solar photovoltaic (PV) system mounted on a rooftop of a building is a mini-power plant that converts solar energy into electricity to meet the property's power requirements or feed into the grid. Although anyone can install a solar rooftop system, the size of the installation varies significantly depending on availability of space, amount of electricity consumed by the property, and the ability or willingness of the owner to invest the capital required.



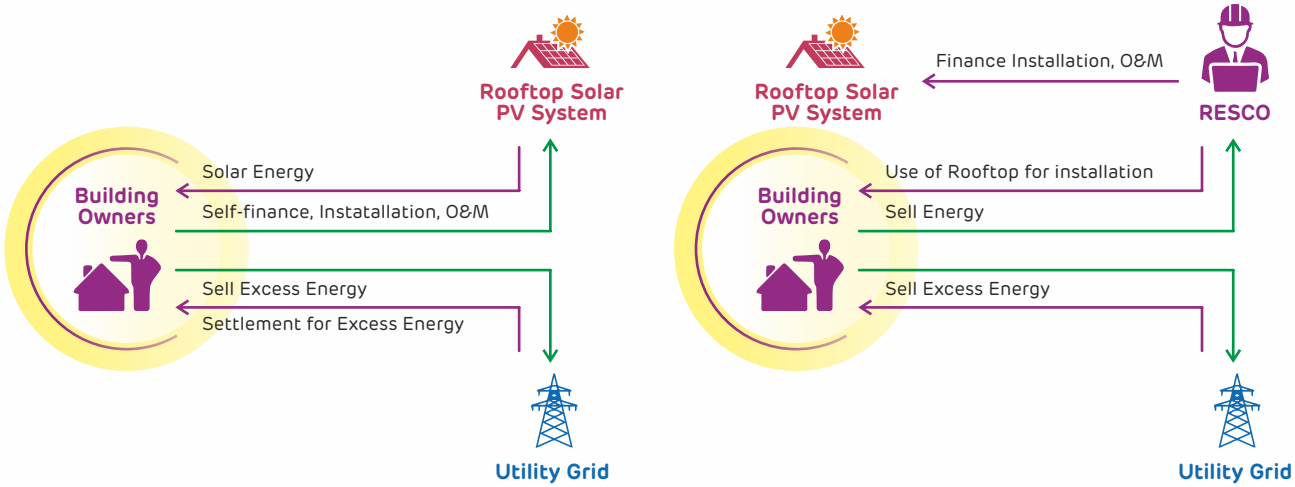
Financial Model Based Classification:

CAPEX

CAPEX (Capital Expenditure) is a common business model for solar deployment in India where the consumer purchases the solar PV system, by making 100% of the payment upfront or financing the system, often through a bank.

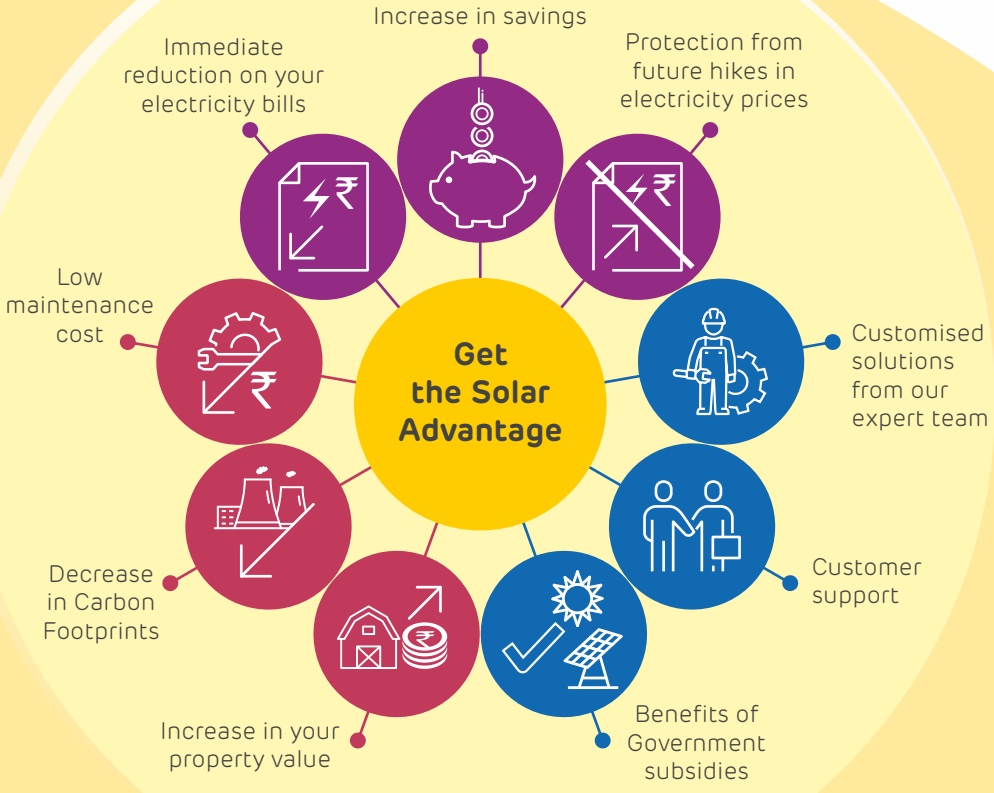
OPEX

OPEX (Operational Expenditure) model is where the RESCO (Renewable Energy Service Company) developer invests in solar rooftop asset and sells the generated power to the building owner in favour of a lower solar power tariff. The excess power may be sold by the building owner to the utility according to the power purchase agreement through net metering system.



Why Chose Adani Rooftop Solution

The shift towards clean, reliable, affordable electricity in India is most visible in the rapid proliferation of solar panels mounted on the roofs of homes and businesses. Adani Solar, being the fastest growing rooftop solution provider, aims to make solar power available to all via flexible financing options and impeccable service.



Mandatory Documents for Registration*

Residential	Government	Commercial/ Industrial	Others
Application form duly filled with all details	Application form duly filled with all details	Application form duly filled with all details	Application form duly filled with all details
Electricity bill	Electricity bill	Electricity bill	Electricity bill
Copy of house tax bill or Property Card or Index-2 or rent / lease agreement or NOC of society in case of flat / multi-storeyed apartments / BU permission		Copy of house tax bill or Property Card or Index-2 or rent / lease agreement or NOC of society in case of flat / multi-storeyed apartments / BU permission	Copy of house tax bill or Property Card or Index-2 or rent / lease agreement or NOC of society in case of flat / multi-storeyed apartments / BU permission
Joint declaration - Non EAs	Attach one additional set of electricity bill and application form	Registration certificate / Trust deed	Registration certificate or MOA or partnership deed
Attach one additional set of electricity bill and application form		Copy of board resolution authorizing person for signing all the documents related to proposed project	Copy of board resolution authorizing person for signing all the documents related to proposed project
		Attach one additional set of electricity bill and application form	Attach one additional set of electricity bill and application form

*Documents to be shared in a file as per above sequence

FAQ's:

01 **What is a solar rooftop system?**
In a solar rooftop system, the solar panels are installed on the roof of any residential, commercial, institutional and industrial building.

02 **How much area is required to set up the rooftop solar system?**
A 1 kw rooftop system generally requires 12 sq. metres (130 square feet) of flat, shadow-free area (preferably south-facing). Actual sizing, however, depends also on local factors of solar radiation and weather conditions and shape of the roof.

03 **What are the different types of solar panels?**
These are two types:
(i) Solar Rooftop System with storage facility using battery
(ii) Grid Connected Solar Rooftop System

04 **How does net metering work with rooftop solar?**
The grid connected rooftop system can work on net metering basis wherein the beneficiary pays to the utility on net meter reading basis only. Alternatively two meters can also be installed to measure the export and import of power separately. The mechanism based on gross metering at mutually agreed tariff can also be adopted.

05 **Do I need a battery for this system?**
It depends on the consumption cycle. If the consumption cycle matches with the generation cycle then battery may not be required. Also, in case of net metering, excess power will be credited in the bill so no battery is required.

06 **What happens when there's no sunlight on cloudy days?**
Solar panels work just fine in ambient light and will produce significant energy in the fog or on overcast days. In bad weather, the production may not be 100% but they will produce power. On cloudy days, they may produce 60% of the required output. Germany, who ranks low in sunny days, is the solar energy capital of the world.

07 **How long does the rooftop solar system last?**
Solar panels manufacturer's warranty is 25 years. So, broadly life of solar rooftop is 25 years. However, it does function after 25 years with 80% output.

08 **What about the maintenance of the system and how is it done?**
They rarely require any maintenance or cleaning, plus they have warranty of minimum 25 years. All it requires is to wash panels once every 15-20 days with a cloth.

09 **What are the financial benefits of solar energy?**
Subsidies are available from multiple channels for setting up Rooftop PV projects.
Subsidy / Support from Central Government through MNRE. Government Institutions including Public Sector Undertaking (PSU) shall not be eligible for subsidy; instead they will be given achievement-linked incentives / awards. Subsidy / Support from State Government through State Nodal Agencies (SNAs): Subsidy support is also available in various states. The percentage of subsidy varies according to the state policies.

10 **What are the environmental benefits of solar energy?**
a) Using less water
b) Reducing air pollution
c) Help to slow climate change
d) Reducing your household's carbon footprint
e) Reducing our reliance on fossil fuels

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