

7 Steps to Install Solar Panels on Your Roof

by Anand Kumar Ashodhiya - Wednesday, December 27, 2017

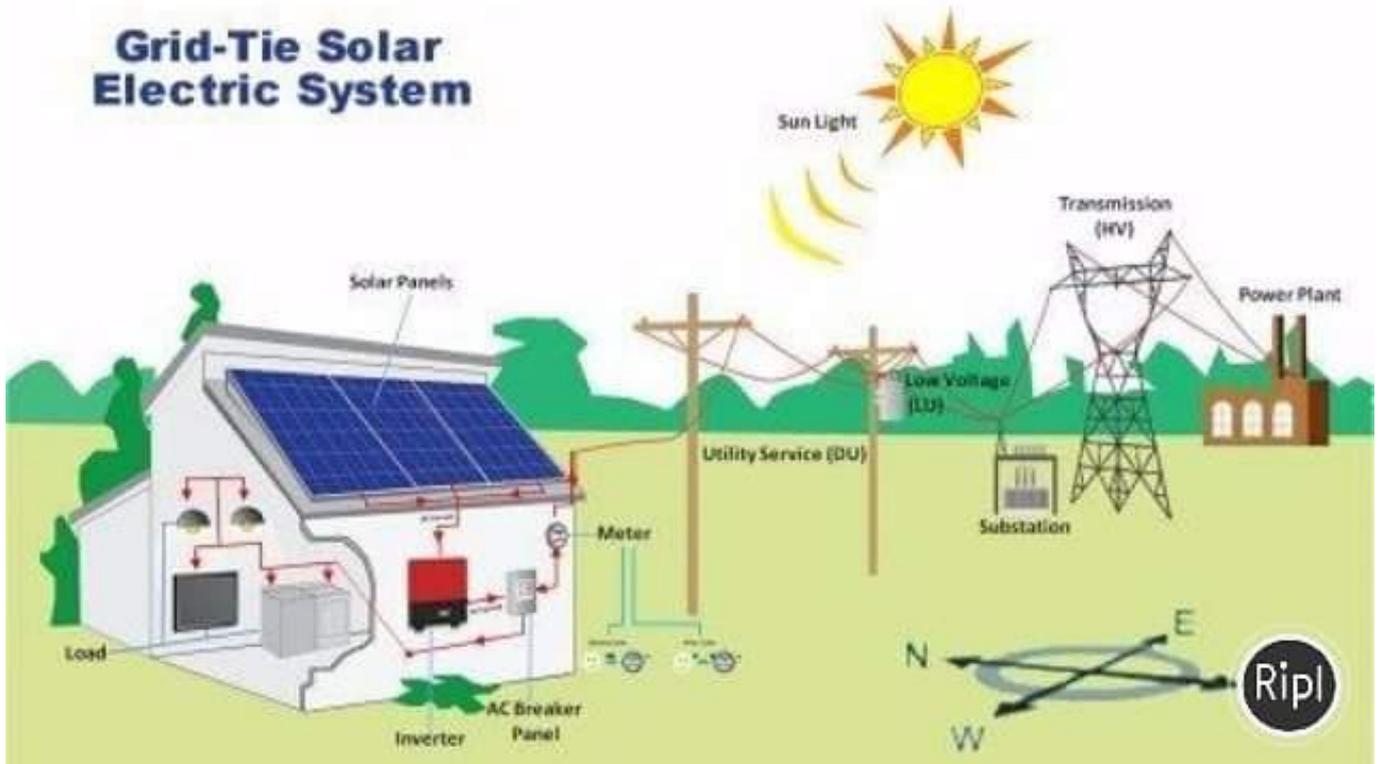
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7 Steps to Install Solar Panels on Your Roof



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सोलर सब्सिडी पाएँ
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and **HYBRID** सोलर प्लांट पर
केवल घर, स्कूल, कॉलेज,
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Grid-Tie Solar Electric System



7 Steps to Install Solar Panels on Your Roof

7 Steps to Install Solar Panels on Your Roof top.

In the foregoing paragraphs, we are going to learn 7 Steps to Install Solar Panels on Your Roof. Solar panel techniques have a shiny future within the roofing industry and for residence and building house owners alike. Solar panels, also referred to as solar photo-voltaic panels are wonderful tools for lowering month-to-month electrical bills, providing clean green electricity, decreasing dependence on conventional fossil fuels, and adding worth to a house or building. Installing rooftop solar panels is without doubt one of the greatest methods to improve the worth of a house or building. And, not to mention the truth that Government of India laws prolonged a 40% Accelerated Depreciation of tax credit score for commercial installations with Net Metering facilities whereas subsidies to the tune of 30% of project for residential, institutions and social sector for solar panel installations.

The following "7 Steps to Installing Solar Panels" can be utilized to help understanding each business and residential clients via the solar panel purchasing and installation process, and to assist for make it as easy and straightforward as doable.

1. Make your own home extra energy environment friendly.

Before you start the solar installation process you first want to study the energy efficiency of your own home. Adding solar photo-voltaic panels to a house with poor energy efficiency isn't going to provide the desired results you anticipated. In some states to be relevant for the subsidies, your own home would require to be assessed for electricity load to have an energy audit carried out earlier than the solar panel system is put in, making your own home's energy efficiency paramount. Here are some suggestions to make your own home extra energy environment friendly:

- Upgrade or substitute home windows
- Well insulate partitions and attic
- Replace inefficient hot water heaters and/or furnaces
- Replace incandescent light bulbs with compact LED or fluorescent bulbs

2. Inspection of your [rooftop](#) by a solar engineer.

Ask your self just a few questions: Is the roof sturdy sufficient to assist the panels? Is the available area is satisfactorily sufficient to maintain the panels? Does the roof provide southern access of sun without shadow? And most vital, does your roof obtain sufficient solar light? Solar panels are beneficial to obtain full solar light between 10 am and 4pm to ensure that them to be the best.

3. Get Quotations.

Solar panels are an enormous funding, however if handled and performed appropriately they'll provide a big return and improve the value of a building or residence. Shop around a bit and discover the most effective rates through bidding or quotations. But remember; do not simply search for the most affordable and cheap stuff since your solar power plant is worth to perform at least for next 25

years. Find an effectively established retailer or an EPC Company like [DayRise Solar Energy Pvt Ltd Sonipat Haryana](#) who is an EPC / installer with a reputed name in the Solar industry. Educate your self and ask the proper questions, as a result of typically a better costing solar system could be the higher choice, and in the long term provide a better return on your funding. Cheap stuff would not work and perform for next 25 years to light up your house, installations or commercial venture. So, the main Mantra is "Go for Quality, Warranty, Guaranty, AMC, After Sale Service" from the local vendor who provides indigenous PV modules to ensure timely guaranty.

4. Research the rates in the Market.

Solar photo-voltaic panels fluctuate in value, which is often decided by the dimensions measured in Watts, the precise dimensions, the model, the longevity, the guarantee, and any certifications the solar panel might need. The smaller solar power plants would cost more whereas bigger the size of plant, lesser will be the cost. Refer benchmark cost fixed by the Ministry of New and [Renewable Energy](#) or the State Nodal Agency. Presently it is approximately Rs.70,000 per kilowatt in India for the financial year 2017-18. Government offer subsidies to the tune of Rs.20,000/- per Kilowatt or 30% of the project cost whichever is less for the Domestic, Institutions and NGOs category.

It might be a good suggestion to obtain a number of quotes, and if there are huge variations, you may like to inquire why it is so?. And, as talked about earlier than, do not select your solar panels based mostly solely on cost; be sure it would provide sufficient energy to suit your solar power requirements.

5. Determine the required Size of the Solar Power Plant in Watts.

To start, examine your electricity invoice. It will provide you with a variety of helpful info to estimate your energy requirements. Find out how many electricity units you consume per day, per and annually. When sunlight is perfect, a 100 Watt [panel](#) will generate 100 Watts of electricity per hour. The electricity requirements of almost all domestic properties, house installations will be fulfilled with a solar system between 1 to 5 kilowatts or 1,000-5,000 Watts. And generally, 1 sq. foot of solar photo-voltaic panels in brilliant sunlight yields 10 Watts, however that may fluctuate relying on the kind of sunlight available. Ultimately, when figuring out the required dimension of solar panels make sure that they are going to provide sufficient electricity to meet or exceed your electricity requirements.

6. Choose the Type of Solar Panels.

There are three primary kinds of solar photo-voltaic panels which are available to select from and fluctuate in inefficiencies.

- Mono-crystalline panels are basically one giant solar cell. They are smaller than the poly-crystalline panels.
- Poly-crystalline panels are comprised of many small cells grouped collectively which produce rather less efficiency than the mono-crystalline panels, and are certainly available for a lesser value.

One should additionally take into account that the mounting structure framework required to mount the

[panel type](#) must be MS Dip Hot Galvanized type which would add value to the solar plants for a longer period and future upkeep.

As there are several types of solar photovoltaic panel roofing system available, there are additionally several types of installation strategies, comparable to a grid-tied system, which provides the power to have extra solar photovoltaic panels added at a later date.

7. Review the quote and solar system specs.

Read the all relevant information available and be very clear on all features of the brand new solar panel system. Here are particular factors to overview:

- Total Cost - Design, Labor, installation and Commissioning of Solar Plant.
- Projected financial savings - what number of years will it take to pay itself off? or Simply Return of Investment.
- Operational and upkeep prices for AMC, if any.
- Requirement of any other additional charges, if any
- Solar system make and Model - is it a reliable brand approved by Ministry of New and Renewable Energy (MNRE)?
- Taxes or GST if any
- Tax credit ADT - 40% available to business or commercial ventures.
- Utility rebates i.e Solar Generation Incentive by States or DISCOM Utilities.
- Warranty - what number of years? Most respected manufacturers will provide a 25 yr guarantee. If much less, inquire how lengthy it takes to pay itself off.

Installation of Rooftop Solar Power Plants / Solar Panels would prove to be an awesome method to decrease your [electricity bills](#) for next 25 years with one time upfront cost. In addition to fulfill your electricity requirements, it would also help to decrease your carbon footprint on the environment.

Innovative solar panel design and know-how is quickly hitting the market, so for the longer term, Solar Panels are brilliant way to suffice your energy needs. Learn extra about solar panels and converse with [a good solar panel installation company](#) immediately.

You may also like to [contact](#) Highly professional and skilled team of DayRise Solar through its Website [contact](#) Page [DayRise Solar Enerdy Pvt Ltd](#) or by following email addresses alternately for any query related to Solar Energy, Solar Subsidy, Solar power, solar [products](#), design, installation and commissioning of On-Grid / Off-Grid Rooftop / Ground Mounted Solar Power Plants across Haryana and Delhi NCR.

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