

What Does It Cost To Put Up Solar Panels?

by Anand Kumar Ashodhiya - Tuesday, January 09, 2018

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What Does It Cost To Put Up Solar Panels?

Whenever you plan to go for clean, green renewable energy, first thing come to the mind is "What Does It Cost To Put Up Solar Panels?"

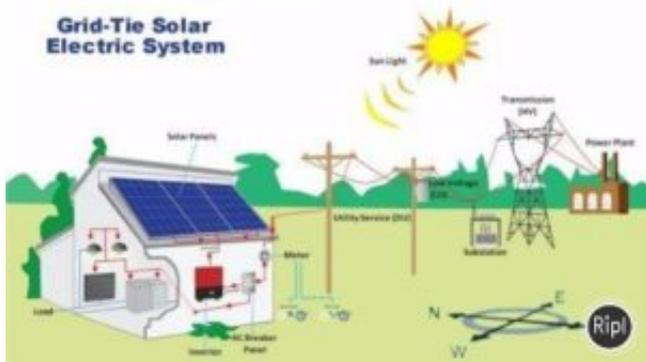
If you would like to reap the benefits of solar energy, you would certainly like to know the total value or costing of solar panels. Let me tell you that purchasing solar panels itself is not sufficient however, getting solar power plant installed, operational and commissioned successfully is most important as well as next to the purchase price, installation cost is the second bigger expense.

"But how much does it cost?"



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What Does It Cost To Put Up Solar Panels?

"But how much does it cost?" is a standard query regarding solar energy comes to everyone's mind. People are not only curious but most crazy to know "What Does It Cost To Put Up Solar Panels?" This is a very complicated and troublesome query to reply as a result of the quantity depends on a number of

components: the place you're on this planet, how a lot solar you get, and the way a lot energy do you employ. Practically, whenever there exists a telephonic inquiry about the cost involves in installation of solar power plants, I normally ask the solar enthusiast a very vital question that "what is your motive to go for solar panels?" I mean, whether you are looking for solution for outage of grid or seeking solutions to reduce your electric bill for next 25 years. The answer would decide the type of solar power plants to be installed at the prospect's premises. In case the prospect is residing in a area where [grid](#) availability is very less or limited to few hours, in that scenario, an off-grid rooftop solar power plant would be befitting solution with battery backup. However, if the person residing in an area where [grid is](#) available for almost 18-24 hours, then certainly he or she is seeking a solution to reduce their electric bill and answer to this situation lies in installation of an On-Grid Rooftop Solar Power Plant with Net Metering facilities and optional power backup in Hybrid model.

What is your Sanctioned Load?

Most of the time, a customer or solar enthusiast is not fully aware about his / her electric load hence there is a problem in assessing and analysing the load chart thus solar engineer finds himself unable to design the appropriate solar system. Answer to the first and foremost question that "What Does It Cost To Put Up Solar Panels?" lies in the answer how much bigger load you want to run with solar panels? or what is your Sanctioned Load? or what is your electric consumption per day?

Rooftop On-Grid Solar Power Plants

Rooftop On-Grid Solar Power Plants are comprised of Solar Panels, Mounting Structures, DC Wires, Array Junction Box, Distribution Junction Box, Lightening Arresters, Earthing, Surge Protection Devices, Grid-Tied Inverters. It is normally installed in such areas where grid is available for almost 24 hours and there is no outage of grid hence customer does not want any battery backup system. It is the most common and less priced system since no batteries are installed in it. Prevailing market rate in India for such installation is Rupees 70 per Watt for Solar Plants. Government Subsidy for such plants is extended @Rupees 20,000 per kilowatt or 30% of total project whichever is less. The on-grid solar system with net metering facilities are capable to reduce the electric bill of the customer upto 90% hence a win-win situation for customer for the next 25 years.

Rooftop Hybrid Solar Power Plants

Second kind of system is known as Rooftop Hybrid Solar Power Plants which are comprised of Solar Panels, Mounting Structures, DC Wires, Array Junction Box, Distribution Junction Box, Lightening Arresters, Earthing, Surge Protection Devices, Grid-Tied Inverters, Charge Controllers and Batteries. It is normally installed in such areas where grid is available for at least 18 to 20 hours and needs some battery backup. This system also could be categorized as [costly system](#) since it primarily also accounts for purchase cost of batteries as well as recurring expenditure on that account. Prevailing cost in India for such installation is Rupees 80 per Watt for Solar Plants excluding Batteries and Taxes as applicable. This system is also eligible for Government Subsidy @Rupees 20,000 per kilowatt or 30% of total project whichever is less. The Hybrid solar system with net metering facilities and battery backup are capable to reduce the electric bill of the customer up to 90% hence a win-win situation for customer for the next 25 years.

Other factors

There are many other factors which becomes criterion to decide what kind of solar system is required by the customer and "What Does It Cost To Put Up Solar Panels?" As where you reside on this planet determines how much solar you get every day. Since solar power depends on sunlight, it's essential to have a specific amount with a purpose to generate sufficient power. How much solar you get can also be associated to the place the panels are held on a building or rooftop. Angle, direction and shade are the other components to contemplate. To work finest, solar arrays ought to face south, at angles starting from 15 to 40 degree.

Consumers will want their electrical bill to determine the price of going 100% solar. The first step is to divide the entire variety of Kilowatt Hours (KW) by 30 with a purpose to get your each day common use (many bills will have already got this quantity mentioned out there, so in that case you'll be able to skip step one). Once you establish your common KWH utilization per [day](#), that quantity is then divided by the typical variety of full solar hours per day. That quotient ought to then be multiplied by 1.15 with a purpose to provide you with a snug margin. An instance of this components seems to be like this: $500 \text{ KWH} / 30 = 16.67 \text{ KWH per day}$. $16.67 \text{ KWH} / 7 = 2.38$. $2.38 \times 1.15 = 2.74 \text{ KW}$ or 2,740 watts wanted from solar panels.

According to [MNRE](#) / [HAREDA](#), the typical value of putting in a solar system is around Rupees 70,000 per Kilowatt as benchmark cost i.e. Rupees 70 per watt. This commonly contains the price of the solar panels, inverters, mounts, wires, and , nevertheless it doesn't embrace the worth of inspection or prices associated to getting on the grid together with your native electrical company.

While this will look like an enormous funding, there are Government and state rebates, subsidies, and native incentives to go solar. There is a yearly accelerated tax depreciation provided to the commercial ventures. Most states will rebate a part of your installation and buying prices. Local energy corporations will purchase your extra energy, which reduces your total invoice for when you'll want to be "on the grid." And customers can nonetheless reap a few of these incentives, even when they solely go partly solar to start

Whenever you want to vouch for installation of rooftop solar power plants, stop no where else but at [DayRise Solar Enerdy Pvt Ltd](#), a dynamic venture at Sonipat Delhi NCR; an expert, skilled and and ISO rated company in the region to provide you one stop solution of all your [solar energy](#) requirements.

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