3 kw solar inverter price

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As subject matter experts, we provide only objective information. We design every article to provide you with deeply-researched, factual, useful information so that you can make informed home electrification and financial decisions. We have:

Incorporated third-party data and information from primary sources, government agencies, educational institutions, peer-reviewed research, or well-researched nonprofit organizations.

We won"t charge you anything to get quotes through our marketplace. Instead, installers and other service providers pay us a small fee to participate after we vet them for reliability and suitability. To learn more, read about how we make money, our Dispute Resolution Service, and our Editorial Guidelines.

As of January 2022, the average cost of solar in the U.S. is $2.77 per watt ($8,310 for a 3-kilowatt solar system). That means the total cost for a 3,000-watt (3kW) solar system would be $6,149 after the federal solar tax credit discount (not factoring in any additional state rebates or incentives).

To understand the range of prices solar shoppers pay for 3 kW solar energy systems across the United States, we analyzed solar quotes from the EnergySage Solar Marketplace. EnergySage makes it possible to shop for the right home solar panel system at the right price by comparing multiple offers from solar installers in your area.

Even if you live in an area without additional solar incentives or rebates, you can ensure that you get the best price for your solar panel system by reviewing offers from multiple solar companies. Homeowners who compare solar offers on the EnergySage Solar Marketplace generally save 20 percent simply by checking multiple solar options from different companies.

These numbers can serve as a point of reference as you begin shopping for a solar energy system for your home. However, many different factors can affect the cost of your solar energy system. For example, if you choose to install high-efficiency equipment or need special accommodations for a complicated roof, your system will cost more. If you receive a quote from a solar company significantly higher or lower than the range for a 3 kW solar system in your state, ask them for an explanation. A reputable solar installer will gladly walk you through their proposal in detail.

It should come as no surprise to you that the amount of sunshine where you live is the most important factor that determines just how much electricity your solar panels will produce. For example, if you install a 3 kW solar panel system on your roof in Phoenix, you"ll generate about 25 percent more electricity over the course of a year than if you installed the same system on a roof in Boston. This isn"t to say that you have to live in Arizona for solar to be a good option for your home - if you have a high electricity bill, solar is a smart

investment for you.

Below is a table with estimated average electricity production numbers for 3 kW solar energy systems in cities across the United States. As a comparison, the average U.S. household uses 893 kilowatt-hours (kWh) a month, a total of 10,715 kWh per year. We developed these estimates using PV Watts.

Ready to get started? When you shop for solar through the EnergySage Solar Marketplace, you can review multiple offers from solar companies and find the best offer for your solar installation. The EnergySage Marketplace offers comprehensive, easy-to-understand comparison tables that make it easy to review all your equipment options, financing proposals, and solar company reviews. When you compare multiple solar quotes, you can feel confident that you"re making the smartest investment possible for your home.

A 3 kW solar system will generate between 260 and 415 kilowatt-hours of electricity per month, depending on where it is installed. That"s about $50 worth of electricity.