



Best Solar Panels Provider in Denver Discusses How Many Solar Panels Are Needed for a Particular Home

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Roper Roofing & Solar, a roofing contractor serving Denver, Colorado and surrounding areas that also provides the best solar panels, has recently released a blog post that focuses on the issue of calculating how many solar panels are needed for a particular home, for instance, a 50-square foot home. Finding out the number of solar panels or kWh to support the energy requirements of a particular home can be quite difficult. For a 50-square foot home, 240 to 280 kWh of solar energy generation daily may be recommended but this cannot be ascertained unless this has been actually tried and tested in a particular house in the neighborhood.

Brent Roper, owner and president of Roper Roofing, says, "You may think that the size of your house determines how many solar panels you need, but it doesn't! To really understand how many solar panels your solar energy system needs, you need to determine the following: your energy usage; sunlight in your area; and panel wattage."

In the blog post, they present the steps to take in determining how many solar panels are needed to power one's home. The first step is to determine one's energy usage by taking a look at the most recent electricity

bill, which indicates the monthly electricity consumption in kilowatt-hours or kWh. The bill usually indicates the yearly energy usage and it is this value that can provide the best estimate as to how many solar panels are needed. It is important to note that energy usage will fluctuate as the seasons change. Simply get the total amount of energy consumed in a year and divide by 12 to get the average monthly consumption.

The next step, the Roper Roofing & Solar blog post explains, is to find out the amount of energy produced by solar panels in the specific area. This is primarily affected by the amount of sunlight received in the area. This is often indicated as "peak sun hours." Roper Roofing has a complete list of the average number of daily peak sun hours for every state. To get the amount of sunlight received every month, simply multiply the daily peak sun hours by 30. This usually ranges from 120 to 150 peak sun hours per month in the US.

Step three is to compute the size of the solar energy system needed. This is done by dividing the monthly electric power consumption by the monthly peak sun hours, which provides the amount of kW of solar required. And the fourth step is to simply convert the value obtained in step three into watts by multiplying it by 1,000. To determine the number of solar panels required, simply divide the number of watts by the wattage of the solar panels to be installed.

For those who don't want to do the math, Roper Roofing provides a solar panel cost and savings calculator to provide a more accurate and faster way of determining how many solar panels are needed for a particular home.

Started in 2015, Roper Roofing & Solar is a BBB-accredited roofing contractor located in Golden, CO. They have been offering complete roofing and solar power systems for residential and commercial buildings in the metropolitan Denver area for more than 15 years. Its core mission is to provide the best roofing services as a way to help people achieve healthier, happier, and more productive lives. Their primary focus is to ensure they always provide the best quality roofing because it is such a huge investment. As such, they have pledged to only use products from trustworthy and reliable roofing materials manufacturers, including Owens Corning, GAF, and Atlas Roofing. Their reputation as one of the best roofing companies was earned through their roofing skills, professionalism, and honesty. Roper is a second-generation roofing contractor who believes in the need to treat clients fairly and professionally to ensure long-lasting business relationships.

People who are looking for the best solar panels in Denver or read about Timberline Solar in Denver can check out the Roper Roofing & Solar website, call them on the phone, or contact them by email. They are open from 9:00 am to 5:00 pm, from Monday to Sunday but they can be contacted 24 hours a day.

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For more information about Roper Roofing & Solar, contact the company here: Roper Roofing & Solar
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Roper Roofing & Solar

Roper Roofing & Solar is a professional roofing company serving Greater Denver Colorado and surrounding areas including Colorado Springs. We specialize in roof repair, re-roof, and insurance claim services.

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