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You Need a PV System to Generate Solar Energy

In today's world, it seems that almost any topic is open for debate. While I was gathering facts for this article, I was quite surprised to find some of the issues I thought were settled are actually still being openly discussed.

Solar energy has been around for quite some time. In fact, now is the best time to get it if you want to cut your electric bill and do your share to protect the environment.

For that to happen, you will need to buy a PV system. This is designed to reduce or eliminate the amount of electricity you purchase from the utility especially when there could be a price increase in the next few months.

The best part about the PV system is that it generates clean electricity which is clean, reliable and renewable since it does not emit any harmful gases into the atmosphere.

The PV system must be placed in an area that is free from any obstruction otherwise, it will not be able to capture the sun's rays. A lot of experts say that the south facing roof is best while the east and west is sufficient. If the roof is not available, it can be mounted on the ground.

You should know that PV systems come in various sizes so you should get the one that matches our electrical needs. If you consume about 6,500 kilowatts a year, then a PV system within the 3 to 4 kilowatt range is right for your home. You can measure this by reviewing your past electric bills and making some projections.

Naturally, the size of the PV system will determine the amount of space needed. If you do not use that much electricity, 50 square feet may be sufficient. However, a larger system may require a little over 600 square feet. Just remember that a kilowatt of electricity requires an area of 100 square feet.

You can see that there's practical value in learning more about Solar Energy. Can you think of ways to apply what's been covered so far?

Solar energy is converted with the help of an inverter since this is what changes direct current to alternating current. You will also need batteries so excess energy may be stored so you can still use solar energy during the evening or during a power outage.

The size of the PV system is also in direct proportion with the cost. Most cost from \$9 to \$10 per watt and when you include installation, the bill may reach be from \$10,000 to \$20,000.

The cost of the PV system should not discourage you from investing in solar energy. People who use it are able to get tax rebates and it will also increase the value of your home. With that, the only thing to do now is to call a reputable solar energy provider.

One other thing you should know about the PV system is that this should also be connected to your grid. For this to work, you have to enter into an interconnection agreement with your utility.

This agreement will address the issue with regards to the terms and conditions under which your system is tied up with them. This also includes what is known as net metering which allows you to bank any surplus electricity that your system generates on the electric grid in the same manner that you will be charged accordingly should you consume more electricity than what you have banked.

You need a PV system to generate solar energy. You just need to know what size of a system you require so this can be installed by your solar provider.

About the Author

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