



12 volt wind generator for rv

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Do you often experience an extended RV trip? If you answered yes, then you are probably aware that relying on just the batteries of your RV can be a problem. If you stay in a public trailer park with access to electricity, the cost of plugging into their grid will make you just want to go home.

If you want to save money, and by extension, also help the environment, you need to get the best RV wind turbine. An RV wind generator is like a reversed electric dynamo. Instead of using up electricity to spin the shaft, it is spun in the reverse direction using propellers. This action causes the generator to turn and produce electricity.

You will be harnessing the power of the wind to produce electricity to charge the batteries of your RV continuously. In other words, you will mostly be self-sustaining. However, choosing the right wind turbine for your RV can be a tricky task, primarily because not all manufacturers produce the same quality of the product.

By the end of this article, you will be able to make the right decision regarding your very first RV wind turbine. There is almost a hundred percent guarantee that you will not suffer from buyer's remorse.

One thing that I, as well as many other users, like the most about this RV windmill, is the way its manufacturer took the time to protect it against all kinds of harsh weather. Not only are the components used highly resistant to corrosion, but the sensitive electronics are also enclosed in a completely watertight housing. This housing is also dustproof.

With all these features, there is an assurance that this turbine will last for many years. However, you still need to make sure that the turbine is well-kept and updated in its maintenance works. Another nice feature I genuinely liked is the integrated emergency safety features.

For instance, this wind turbine comes with built-in brakes that aid in slowing down the spinning of the rotor during inclement weather condition. Yes, it is true that the faster the rotor spins, the more electricity the generator produces. However, note that it can only withstand so much stress.

It means that the brakes are still needed to prevent the wind turbine from self-destructing. If you let the blades spin even during high-wind situations, the insane amount of centrifugal will rip them apart, specifically at the seams. The brakes are essential to stop the blades from getting damaged.

The blades of this turbine for wind power for RV are made of very durable injection-molded plastic, 30% of which is carbon fiber for additional strength and significant weight decrease. You can then see the propellers being treated by coating them with a UV-resistant layer to protect them against the damaging rays of the sun.



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Without this treatment, the plastic will get brittle after just a couple of months or weeks of sun exposure, making them prone to shattering. Another thing that left a positive impression regarding this product is that it comes with a charging controller. This feature cuts off the batteries when they are already charged to capacity, thus preventing overcharging.

It can, therefore, prevent damages to the batteries usually caused by overcharging. It also comes with a built-in diode to prevent electricity from back feeding from the batteries back to the generator. It has all of the important safety features that you will ever need.

I am so satisfied with how easy the assembly and installation process of this wind generator for RV kit goes. It is nice that most of the parts are already pre-assembled. All that you need to do is attach the propellers to the generator. After that, mount the generator assembly on the end of a pole and attach the necessary wirings.

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