Smart solar panel system



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Smart or DC-optimized modules are solar panels with an integrated DC power ...

SmartFlower Solar produces unique, ground-mounted solar panel systems that include a sun tracker and a number of other high-tech features. This "smart" solar panel system is an all-in-one, self-sustaining system that differs greatly from the traditional monocrystalline or polycrystalline rooftop panels.

But how exactly is it different, how much does it cost, and is it even worth buying?

In this post, we will go over everything you need to know about the SmartFlower solar panel system so that you can make the right decision when going solar.

The biggest difference between a rooftop solar system and the SmartFlower system is that the SmartFlower is ground-mounted. Ground-mounted systems are a great alternative to rooftop solar because you can avoid all of the potential limitations that come when installing a rooftop system.

Rooftop solar panel systems may need to be customized to account for several variables like roof type and space availability, but with the ground-mounted SmartFlower module, you have the freedom to install the system wherever there is sufficient exposure to sunlight. The unit itself is 194 square feet.

The next big difference between the SmartFlower system and a traditional solar panel system is that it includes a dual axis tracker so that it can follow the sun throughout the day and maximize its solar energy production. According to Smartflower's website, this translates into a 40% increase in production over a similar sized rooftop solar panel system.

These features put the Smartflower solar panel system in the same category as many other non-roof based systems. So then, what makes the Smartflower better than any of the other ground-mounted, sun-tracking solar panel systems?

The word "smart" has been thrown in front of thousands of products over the past decade to highlight a range of value. The SmartFlower solar panel system, however, definitely deserves this title.

The distinct design of the SmartFlower system directly influences the way it functions. The SmartFlower consists of 12 "petals" which open up at the beginning of the day when the sun comes out. The solar cells are added to these petals and when the petals close at the end of the day, they also clean themselves through brushes that are added to the back of each panel.

This self-cleaning quality of the SmartFlower module is one of two unique features that separate it from other

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ground-mounted, sun-tracking solar panel systems.

The second feature that makes the SmartFlower special is that it is self-containing. This means that it contains all of the hardware and other components within itself so that it can be easily installed and disassembled. According to the company, installation takes just two or three hours, and it can similarly be uninstalled and moved to a new property in just as much time.

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