



# How to deal with the photovoltaic panels being too dirty

What happens if solar panels get dirty?

However, solar panels get dirty over time, resulting in as much as 30% lost production in a single year and tens of thousands of dollars in lost energy savings! This reduced production directly translates into lost profits and a lower return on investment. To minimize losses, it's important to keep your solar panels nice and clean.

Do dirty solar panels affect power production?

The impact on power production may seem insignificant on a day-to-day basis, but over time, it can add up. Studies have shown that dirty solar panels can lose between 5% to 25% of their energy output, and in some extreme cases, this can go up to 30%. So, how should you go about cleaning your solar panels?

How to clean solar panels effectively?

Now that you have everything you need, let's dive into the step-by-step guide for cleaning solar panels effectively. Timing is crucial when cleaning solar panels to ensure optimal results and safety. It's best to clean them early in the morning or late afternoon when the sun's rays are less intense, and the panels are cooler to the touch.

How much energy does a dirty solar panel lose?

Studies have shown that dirty solar panels can lose between 5% to 25% of their energy output, and in some extreme cases, this can go up to 30%. So, how should you go about cleaning your solar panels? The good news is that it's usually a straightforward process. In most cases, hosing them down with water will be sufficient.

Are solar panels self-cleaning?

For the most part, solar panels are self-cleaning. "Dirty solar panels? There are some instances where solar panels might need cleaning, but most of the evidence says solar panels are self-sufficient and low-maintenance.

Does cleaning a solar panel affect output performance?

This may exert a more pronounced adverse influence on output performance. Solar panel efficiency can decrease by as much as 50% percent, according to research, in the absence of routine solar panel cleaning. To ensure optimal performance, this underscores the critical importance of implementing efficient cleansing methods.

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