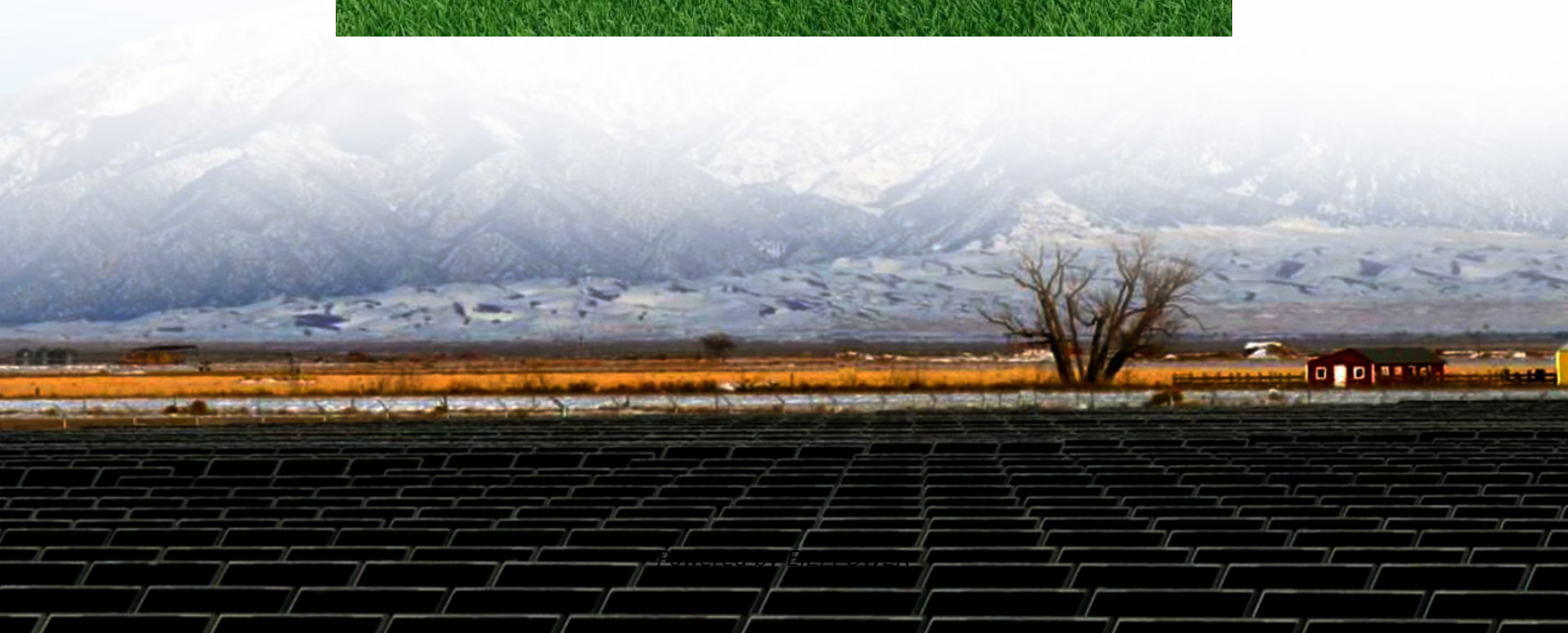


Solar panels are too hot





Overview

Do solar panels overheat?

Solar panels don't overheat, per se. They can withstand ambient temperatures up to 149 degrees Fahrenheit (65°C). For solar panel owners in warmer climates, it's important to understand that the hot weather will not cause a solar system to overheat - it will only slightly affect your solar panel's efficiency.

What happens if a solar panel gets too hot?

The main electrical consequence of your solar panels getting too hot is a drop in their power output and, if their temperature rises above 85°C, they may stop working. Even then, most will continue functioning, but there will be a significant impact on their performance. What's the ideal temperature for a solar panel?

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Are solar panels hot?

Most solar panels have a rated "solar panel max temperature" of 185 degrees Fahrenheit - which seems intense. However, solar panels are hotter than the air around them because they are absorbing the sun's heat, and because they are built to be tough, high temperatures will not degrade them. Are solar panels hot to the touch?

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Why are solar panels hotter than external temperature?

Because the panels are a dark color, they are hotter than the external temperature because dark colors, like black, absorb more heat. For example, the ambient temperature in the desert can reach 113 degrees Fahrenheit, meaning solar panels in this climate can reach 149 degrees Fahrenheit.



Solar panels are too hot



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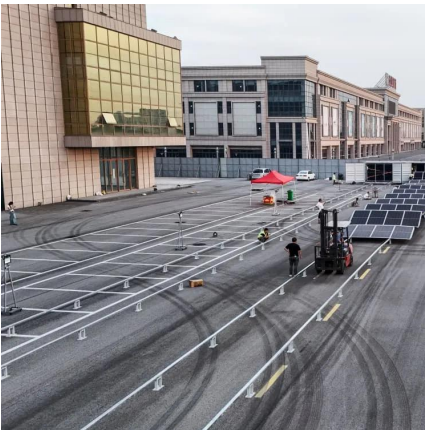
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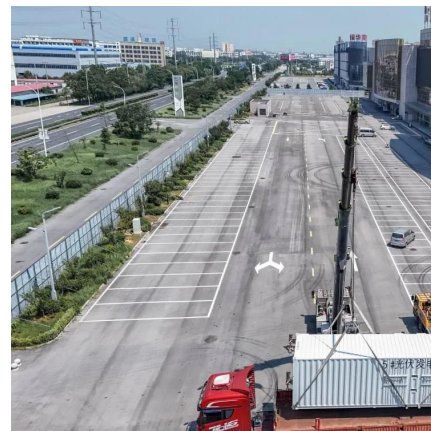


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