

# **Solar container outdoor power voltage becomes low**





## Overview

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Why do solar panels have a low voltage?

The series resistance of the solar cells in a panel could have increased over time. This may be the result of a hotspot that may occur when micro cracks appear in the cells. The result is a lower voltage in the panel, which will bring the overall voltage of the solar array down.

How to reduce power output from a solar panel?

The higher the temperature, the lower will be the power output. Adding more modules in series, and therefore increasing the string voltage, will eliminate this problem. Also, make sure that there's sufficient air circulation beneath the panels and that this open space is not blocked in any way.

Why does my solar system have low power?

The factors that could contribute to a low power problem are: This is possibly the most common cause of low voltage. Ensure that there are no trees around and that the solar panels are not blocked by shadow at any time during the day. Keep in mind that a solar systems lasts for more than 25 years and trees grow over time.

Why is my solar panel not working?

This may be the result of a hotspot that may occur when micro cracks appear in the cells. The result is a lower voltage in the panel, which will bring the overall voltage of the solar array down. An increase in resistance is also likely to happen in a junction box that may be exposed to moisture.



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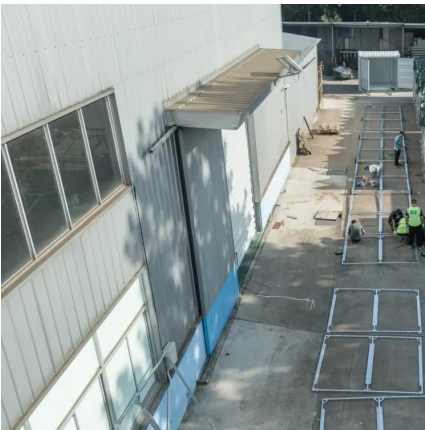
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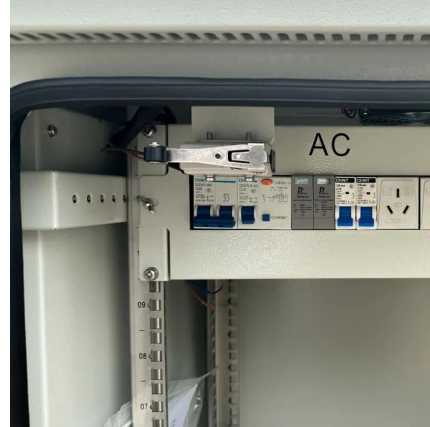
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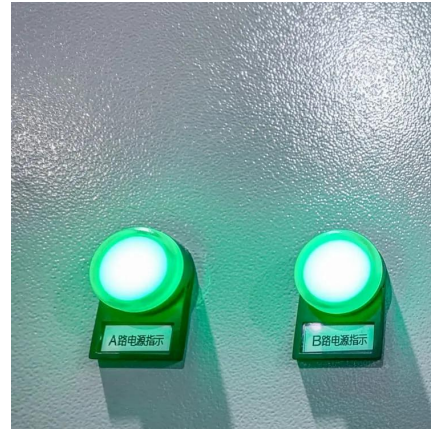
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