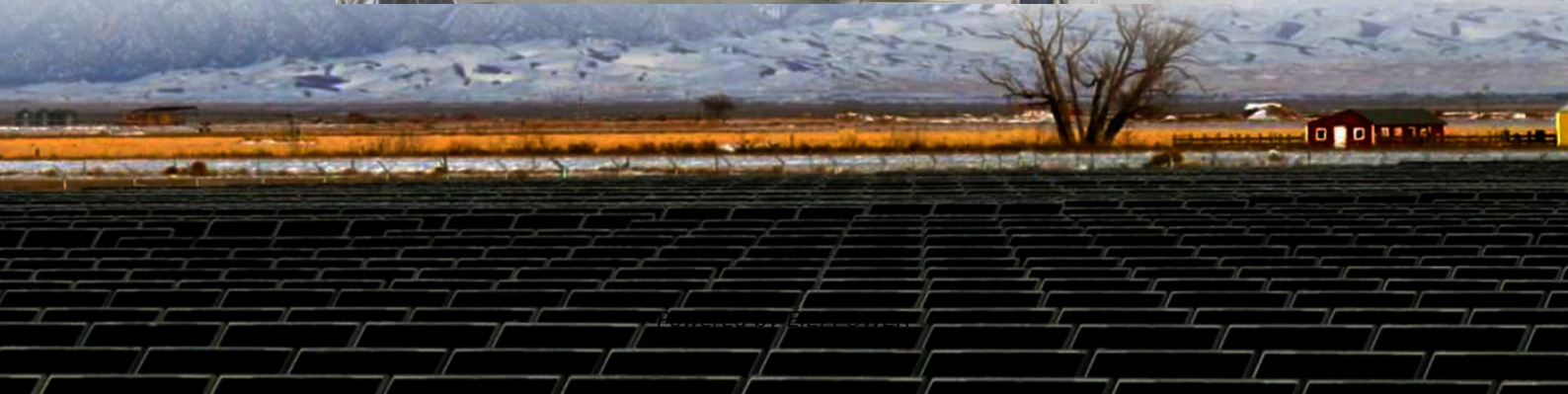


# **Why doesn't the wind power of the solar container communication station produce high temperature**





## Overview

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How does high temperature affect a PV system?

High temperatures not only affect the PV system's power generation but also accelerate the ageing of the PV system's components and increase the risk of fire. In addition, some materials is not able to tolerate short and extremely high temperature peaks .

Should solar panels be designed for wind load?

Thanks to improved design and materials, today's solar modules have better mechanical properties and are more resistant to extreme weather conditions such as heavy rain, hail, snow, and even hurricanes. PV power plants should be designed for wind loads. However, there are no international and national wind load codes for PV modules yet.

What are the effects of high temperature on PV power plants?

This would result in a frame temperature of around 70 °C, a panel temperature of up to 85 °C, and a cable insulation temperature above 60 °C. The effects of such high temperatures on PV power plants can be analysed in relation to the following aspects: Accelerated ageing of PV plant components.

How does wind damage a solar system?

Solar modules are also vulnerable to falling objects if they are carried by the wind. Hail can damage solar modules by hitting them directly, or it can leave debris on the modules through which water can enter the PV system. Lightning is the most common cause of damage to PV systems.



## Why doesn't the wind power of the solar container communication s

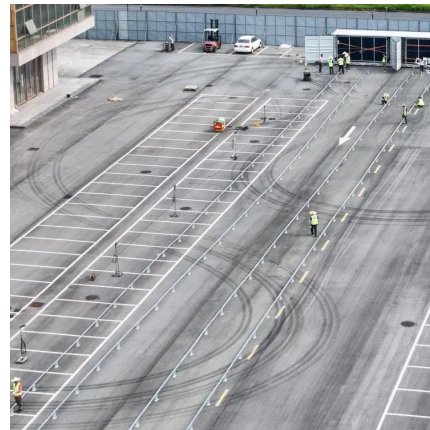


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...



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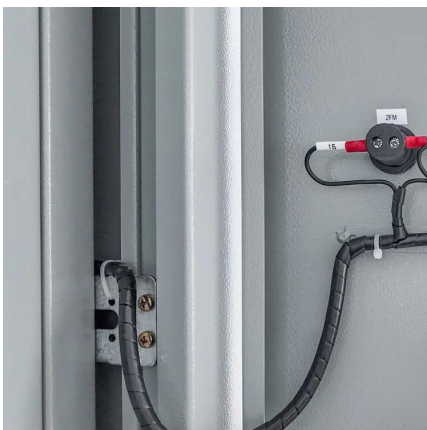


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