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How much does solar glass deform



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Overview

Why is glass breakage a problem in solar power plants?

Modern PV modules often use thinner glass to reduce weight and material costs which lead to glass breakage. Glass breakage is a growing concern for the solar power plant operators.

What happens if a solar glass substrate is defective?

As in all other glass manufacturing processes, solar glass substrates are subject to defects during production. Depending on the defect type and intensity, the impact of these defects can range from a reduced transmission to a considerable negative influence on the mechanical glass characteristics.

Does solarinspect detect glass defects?

SolarInspect provides this capability parallel to the glass defect detection. Furthermore, SolarInspect can detect glass defects at the edges of the substrate, which helps to avoid unexpected glass breakage in subsequent production and in the final product.

Can a glass breakage damage a PV module?

Glass breakage, without any extreme weather event or other obvious cause, is being reported on a small yet significant number of PV projects. This issue comes with the potential to damage PV module performance in the long term, or even cause safety hazards – and we will need to act fast to find both the cause and a practical solution.

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