

# Disadvantages of solar thin-film modules





## Overview

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Thin film solar cells have lower efficiency rates compared to traditional silicon panels, resulting in a lower energy output for the same amount of space. What are the disadvantages of thin film solar cells?

Effectively, one of the primary thin film solar cells disadvantages is reduced efficiency. While your conventional silicon solar cells boast efficiencies around 15% to 20%, thin film solar cells, unfortunately, lag at roughly 11% to 12%.

Are thin film solar panels sustainable?

Sustainable Alternative: Thin-film solar panels have the least carbon footprint of any solar panels. These are ideally suited for people who are conscious of eco-friendly policies. Lower Power Output: Unlike the other crystalline panels, thin film has a lower generation efficiency of around 12-15%.

Are thin film solar cells a good choice?

Light-weight: Thin film solar modules are lightweight, which makes them easy to carry and install on almost all types of surfaces. Inexpensive design: Thin film solar cells are comparatively cheaper to manufacture, design and deploy. The initial cost of installing thin film is therefore more affordable.

How long do thin film solar panels last?

What is the Lifespan of a Thin Film Solar Panel?

With proper care and maintenance, thin film solar panels can last for several decades, often coming with warranties for 20-25 years. Analysing this information should provide a clearer picture as to whether thin film solar cells fit your specific circumstances.



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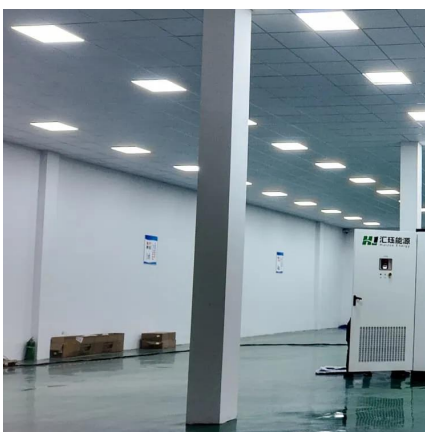
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