

# Solar transparent glass panel





## Overview

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What are transparent solar panels?

Think of them as energy-generating windows—a clever way to turn glass surfaces into clean power sources. There are two main types of transparent solar panels: These panels are engineered to let almost all visible light pass through while absorbing non-visible wavelengths, such as ultraviolet (UV) and infrared (IR), to produce energy.

Can transparent solar panels be used in architectural glass windows?

Ubiquitous Energy, in partnership with a leading glass manufacturer NSG Group, is developing Ubiquitous's unique ClearView Power technology to integrate transparent solar panels into architectural glass windows. ClearView Power's transparent solar coating can be directly applied to building windows at the time of the normal glass making process.

Where can transparent solar panels be used?

Here's how they're being put to use: The most promising and immediate use of transparent solar panels is in architecture, especially in high-rise buildings, glass facades, skylights, and curtain walls. Commercial buildings, which often feature expansive glass surfaces, are perfect candidates.

Why is solar glass transparent?

When a solar glass is transparent, the sunlight will pass through the medium and defeat the purpose of utilizing sunlight. However, this new solar panel technology is changing the way solar cells absorb light.



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