

New light-transmitting solar photovoltaic panels

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Discover 2025's latest solar panel tech, from perovskite tandems to bifacial panels, and what's next for solar energy.

The technology means solar panels could be integrated into new places such as car roofs, lampposts and even windows.

In this article, we uncover the latest technologies and examine how these new solar innovations increase efficiency, improve overall performance and increase the lifespan of a solar panel.

Solar cells that combine traditional silicon with cutting-edge perovskites could push the efficiency of solar panels to new heights.

A team of scientists from the School of Energy and Chemical Engineering has developed a new type of transparent, neutral-colored silicon solar cell that promises to become a key ...

Conventional silicon solar panels often shade plants excessively, impacting growth. Wavelength-selective photovoltaic (WSPV) technologies address this by allowing the transmission of ...

Discover innovations in highly efficient transparent solar panels, offering sustainable energy solutions while maintaining aesthetic appeal.

Using advanced materials like transparent luminescent solar concentrators (TLSCs) or semi-transparent perovskite cells, this new solar panel technology allows surfaces such as windows, ...

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