New photovoltaic panel construction technology

We explore the nine most exciting developments in the solar industry in 2025, from indoor solar panels to "two-for-one" fission.

Solar technology is evolving quickly. Our 2025 guide explains the latest advances like TOPCon, HJT, and back contact panels. Learn how each performs in efficiency, durability, and real ...

We examine the latest solar panels and explain how advanced PV cell technologies help improve performance and efficiency, plus we highlight the most advanced panels from the leading ...

A new study reveals key innovations that contributed to the rapid decline of solar energy systems, showing that many of the most significant technological advances came from outside the ...

This advance is bringing a new era of efficiency and access to solar photovoltaics. Read on to learn about the latest solar panel technology, and how it will affect the PV market in 2025.

A design firm in Riyadh is commissioned to retrofit the façade of a five-story commercial office building using building-integrated photovoltaic (BIPV) panels to improve energy efficiency and ...

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

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

While traditional crystalline silicon panels still dominate the market, new technologies like tandem cells and smart PV systems are poised to drive the next wave of solar adoption, pushing ...

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High-efficiency monocrystalline panels featuring PERC technology are widely available now, while bifacial solar panels are becoming increasingly accessible for home installation, ...

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