



Are photovoltaic panels high-tech

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

By harnessing the unique properties of titanium dioxide and selenium, this innovative approach not only boosts efficiency dramatically but also has the ...

In recent years, solar panel efficiency has remained a key benchmark of technological progress; however, in the utility-scale sector, the spotlight has shifted more toward maximising power ...

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

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

The role of solar PV in the global energy transitions was highlighted. Solar photovoltaic (PV) technology has emerged as a key renewable energy solution, yet its widespread adoption faces ...

MIT researchers have developed a scalable fabrication technique to produce ultrathin, lightweight solar cells that can be stuck onto any surface. The ...

Today, the latest solar panel technology advancements have led to panels achieving conversion efficiencies of over 20%, with some even reaching 25%. This means that solar PV ...

In the never-ending quest of the solar industry to improve photovoltaic (PV) technology and achieve the highest possible efficiency, researchers have ...

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