

In this blog, you'll learn what's new in solar panel technology, how these innovations work, why they matter, and what impact they will have on energy generation in the coming decade. ...

Developers added 12 gigawatts (GW) of new utility-scale solar electric generating capacity in the United States during the first half of 2025, and they plan to add another 21 GW in the ...

From perovskite cells to bifacial panels and AI-powered optimization systems, these innovations are making solar power more efficient, affordable, and accessible than ever before.

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

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 ...

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

Throughout 2024 and into 2025, companies such as Huasun Solar, TW Solar (Tongwei), and Jolywood have entered the spotlight, announcing panels that exceed 700W, utilising cutting ...

Installed capacity surged to a new high with 597 GW added worldwide, a 33% jump over 2023. From advanced materials like perovskite-silicon tandems to smart, AI-driven power systems, ...

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 ...

Advancements in solar panel technology include new, cheap materials, better manufacturing, flexible designs, and improved solar cells. This advance is bringing a new era of ...

Web: <https://idsolar.co.za>