



New generation solar power modules

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The team suggests that replacing the ITO--one of the most fragile and expensive materials in photovoltaics--with single-walled carbon nanotubes (SWCNTs) could take perovskite ...

Put simply, next-generation solar is any un-commercialised but potentially transformative solar energy technology. It could address problems faced by current technologies, such as with cost, ...

Solar energy is no longer just panels bolted to a roof or field. In 2026, new solar panel technology is driving dramatic improvements in how we capture, store, and use sunlight. Ongoing ...

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 ...

Recent innovations introduced in CdTe modules include higher commercial efficiencies, larger platform modules, and most recently, bifacial modules. Upcoming innovations include the ...

In our STEO forecast, utility-scale solar is the fastest-growing source of electricity generation in the United States, increasing from 290 BkWh in 2025 to 424 BkWh by 2027. Almost 70 ...

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.

In this blog, we'll explore the latest advancements like TOPCon solar technology, Mono PERC panels, bifacial solar panels, and 625W solar modules, all setting new benchmarks in efficiency and ...

These next-generation modules represent a leap in new solar panel technology, with potential applications on buildings, vehicles, and other nontraditional surfaces.

We explore the nine most exciting developments in the solar industry in 2025, from indoor solar panels to



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