

What is solar panel technology?

Solar panel technology is undergoing a rapid, disruptive evolution, pushing boundaries in efficiency, materials, and integration. Improvements in cell performance, the use of novel materials like perovskites, and flexible, adaptable designs are fundamentally transforming how solar energy is generated and deployed.

How is solar technology evolving in 2025?

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-world applications.

Where do universities research solar panels?

Many universities also research new solar panel technology. For example, Stanford University's Global Climate & Energy Project provides funding for research into new technologies for clean energy and renewable resources, including solar power.

Should you buy solar panels in 2025?

Trina Solar targets 70-75 GW for 2025. LONGi Solar aims for similar scale. Bottom line: If you're buying solar panels in 2025, TOPCon is your safest bet. It's proven, widely available, and delivers excellent performance. What's the Big Deal About Back Contact? Regular solar panels have metal lines on the front that collect electricity.

Check out our selection of solar energy news from all over the globe. All the top recent events in solar thermal and photovoltaic market. The latest research, innovative technologies, ...

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

Latest solar power news from Europe, Latin America, Sub-Saharan Africa, APAC, MENA and more. Stay updated on solar PV, solar energy, policy & projects.

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Environment Solar energy is going to power the world much sooner than you think Solar electricity is growing rapidly, but can it really dominate the global energy system?

Latest news on solar power, covering industry advancements, government policies, major projects, and technological innovations shaping the future of solar energy.

China and the US may be reducing policy support for the solar power sector, but Goldman Sachs Research still expects rapid growth, with solar installations set to rise by 57% between 2024 ...

Solar panel technology advances include greater solar cell efficiency and the use of new and more abundant solar panel materials.

We are here to bring you the latest solar news, progress and innovations, and everything else that you need to and want to know about the solar industry.

Solar and wind power increased faster than electricity demand in first half of 2025, report says From composting to solar panels, NFL stadiums are working to be more sustainable More ...

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