

# New technology for home solar power generation

Among them are new materials, new ways of building solar panels, and new places to put them. Let's look at some of the recent advancements, why they matter, and how long it will take for them to have ...

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

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

Explore the latest solar panel technology, new solar panel technology, and solar energy technology trends improving efficiency.

Solar panel technology in 2026 is advancing fast with tandem cells, bifacial panels, smart systems, and higher efficiency designs.

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 ...

Discover the newest advancements in home solar technology for 2025, from smarter panels to better storage and increased energy efficiency.

In the decade that scientists have been toying with perovskite solar technology, it has continued to best its own efficiency records, which measure how much of the sunlight that hits the ...

Explore how innovations in solar technology are creating new opportunities to reduce energy costs, and boost energy independence.

Two emerging technologies, quantum dots and gallium nitride (GaN) promise to redefine the future of photovoltaics, from utility-scale fields to futuristic solar windows. In a recent interview...

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