

The next generation of solar power generation

Explore the future of solar in 2025--key trends, new tech, and policies driving global clean energy growth.

Researchers around the world are competing to design and scale next generation solar panels. While current photovoltaic solar panels are generally cost-effective and efficient, the sector...

Almost 70 gigawatts (GW) of new solar generating capacity projects are scheduled to come online in 2026 and 2027, which represents a 49% increase in U.S. solar operating capacity ...

We focus on identifying the existence of a tipping point for solar and wind, assuming that no further policy is adopted to usher in a solar and wind-dominated electricity system.

The result is a wave of next-generation solar technologies that promise higher efficiency, greater affordability, and widespread accessibility. This article explores the innovations driving the ...

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

What is next-generation solar? Put simply, next-generation solar is any un-commercialised but potentially transformative solar energy technology. It could address problems faced by current ...

This astonishing acceleration in efficiency gains comes from a special breed of next-#173;generation solar technology: perovskite tandem solar cells. These cells layer the traditional silicon...

Globally, renewable power capacity is projected to increase almost 4 600 GW between 2025 and 2030 - double the deployment of the previous five years (2019-2024). Growth in utility-scale and distributed ...

This data-driven research on 3050+ solar energy startups and scaleups highlights advancements in off-grid solar energy, decentralized solar power, photovoltaics, perovskite solar ...

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