

The direction of solar power industry development

Photovoltaic (PV) energy conversion is expected to contribute to the creation of a clean energy society. For realizing such a vision, various developments such as high-efficiency, low-cost ...

Despite plummeting costs, solar energy expansion still depends largely on policy makers setting ambitious targets and implementing sound policies, market designs and regulatory ...

The past decade was transformative for solar, with rapid cost reductions and subsequent increases in deployment. It is now possible to envision--and chart a path toward--a future where solar provides ...

o In 2024, between 554 GW. dc. and 602 GW. dc. of PV were added globally, bringing the cumulative installed capacity to 2.2 TW. dc. o China continued to dominate the global market, ...

Along with our partners at Wood Mackenzie Power & Renewables, SEIA tracks trends and trajectories in the solar industry that demonstrate the diverse and sustained growth of solar across the country.

The IEA PVPS Trends in Photovoltaic Applications 2025 report provides comprehensive data and analysis on global PV deployment, technology, and market evolution from 1992 to 2024. It supports ...

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

This paper provides a summary of the Annual World Solar Reports on Technology, Markets, and Investments published by the International Solar Alliance (ISA) in October 2022. Solar ...

Here we use data-driven conditional technology and economic forecasting modelling to establish which zero carbon power sources could become dominant worldwide.

The roadmap was compiled using inputs from a wide range of stakeholders from the PV industry, power sector, research and development (R& D) institutions, finance, and governments.

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