

Solar power industry trends



Overview

The year 2024 was a true landmark year for solar power. Global solar installations reached nearly 600 GW – an impressive 33% increase over the previous year – setting yet another record. Solar accounted for 81% of all new renewable energy capacity added worldwide. 69 billion in 2023 and is projected to be worth USD 273 billion in 2024 and reach USD 436. North America dominated the solar power industry with a market share of 41. 30%. Global Market Outlook for Solar Power 2025–2029 provides an in-depth forecast and analysis of the global solar power sector, with a special focus on India's rapid growth and emerging role as the world's third-largest solar market. While remaining a modest. Solar Power Market (By Application: Residential, Commercial, Industrial; By Technology: Photovoltaic Systems, Moni-Si, Thin Film, Multi-Si, Others, Concentrated Solar Power Systems, Parabolic trough, Solar power tower, Fresnel reflectors, Dish Stirling; By End Use: Electricity Generation, Lighting. The global solar industry is experiencing rapid growth, driven by decreasing costs, technological advancements, and strong government and private sector support 4 6 8.



Article Content

Global Market Outlook for Solar Power 2025-2029

The Global Market Outlook for Solar Power 2025-2029 is SolarPower Europe's flagship annual publication, delivering the most authoritative analysis of solar market trends worldwide.

Technology: Solar PV and wind – Global Energy Review 2026 –

Solar PV accounted for more than three-quarters of new renewable capacity additions worldwide, followed by wind (20%). The remaining share was made up by hydropower, bioenergy, geothermal,

Solar Industry Trends in India: What to Expect in 2026

India's solar industry is entering a more mature, policy-driven phase in 2026, with growing focus on hybrid projects, grid stability, and storage-integrated renewable growth.

Solar Power Market Size to Hit USD 522.71 Billion by 2035

The global solar power market size was calculated at USD 286.15 billion in 2025 and is projected to hit around USD 522.71 billion by 2035 with a solid CAGR of 6.21%.

Top 10 Renewable Energy Trends in 2026 | StartUs Insights

Discover the top renewable energy trends, from solar and wind to storage, hydrogen, AI integration, microgrids, and grid modernization.

Solar Energy Market Size, Forecast, Share & Report Analysis 2031

Solar Energy Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031) The Solar Energy Market Report is Segmented by Technology (Solar Photovoltaic and Concentrated

Germany Solar Energy Market Size, Share & Report

Germany Solar Energy Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031) The Germany Solar Energy Market Report is

2025 Solar Energy Statistics: Latest Industry Survey Data

These statistics explain the American solar industry, as hundreds of companies share their top brands, biggest challenges, and outlook for 2025.

Solar Photovoltaic Market Size, Share, Trends | Report – 2035

The solar photovoltaic (PV) market was estimated at USD 404.3 billion in 2025 and is expected to grow at a CAGR of 8.3% between 2026 and 2035, driven by the increasing focus on clean electricity

2026 Renewable Energy Industry Outlook | Deloitte Insights

Deloitte's 2026 Renewable Energy Industry Outlook indicates that amid policy changes, the industry is likely to focus on building resilience

India Solar Energy Market Size, Trends & Growth Report, 2030

India Solar Energy Market Size & Share Analysis - Trends, Drivers, Competitive Landscape, and Forecasts (2024 - 2030) Get a Comprehensive Overview of the India Solar Energy Market Report

Renewables

The European Union is accelerating solar PV and wind deployment in response to the energy crisis, with almost 80 GW added in 2023, double of pre

Latest Solar Panel Technology 2026: Trends & Innovation

Explore the latest solar panel technology in 2026, from perovskite tandem cells and bifacial panels to flexible solar, transparent PV glass, and AI-powered smart

Vietnam Solar Energy Market Size, and Industry Forecast 2035

The Vietnam Solar Energy market reached nearly 26.22 TWh in 2025 & projected to grow at a CAGR of 3.10%, reaching a value of around 35.58 TWh by 2035.

Global Market Outlook for Solar Power 2025-2029

Across all regions, developing a skilled workforce and setting ambitious solar and storage targets are essential tasks. In these times of political uncertainty, low-cost solar power could turn into

Quarterly Solar Industry Update | Department of Energy

Quarterly Solar Industry Update Each quarter, the National Renewable Energy Laboratory conducts the Quarterly Solar Industry Update, a presentation of

Solar Energy Market Size, Forecast, Share & Report Analysis 2031

The Solar Energy industry continues to funnel R& D toward wafer-thinning, metallization-free contacts, and back-contact architectures to inch efficiencies closer to 25% across mainstream

India Solar Power Market Analysis, Size, and Forecast

India Solar Power Market Size 2026-2030 The India solar power market size is valued to increase by USD 1413.3 billion, at a CAGR of 49.5% from 2025 to

Top Solar Industry Trends 2025: Growth, Tech & Policy Insights

Discover key solar industry trends for 2025! How is AI transforming efficiency? What policies impact growth? Explore market projections and innovations. Click for actionable insights.

Trends in PV Applications 2025

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.

India Solar Energy Market Size, Share & Trends Report 2034

The solar energy market size in India reached USD 30.03Bn in 2025 and is set to reach USD 538.91Bn at a CAGR of 37.82% by 2034. View Key Players.

China Energy and Emissions Trends – April 2026 snapshot

April saw coal power generation continue to rebound after its 2025 decline, as Hormuz Strait shipping disruptions weighed on China's energy imports. Industrial value-added growth slowed

Romania Solar Energy Market Share & Size 2031 Outlook

Romania Solar Energy Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031) The Romania Solar Energy Market Report is Segmented by Technology (Solar Photovoltaic

Global Electricity Review 2025

Record renewables growth led by solar helped push clean power past 40% of global electricity in 2024, but heatwave-related demand spikes led to a small increase in fossil generation.

2026 Renewable Energy Industry Outlook | Deloitte Insights

2025 has been a challenging year for renewables. The new tax law, commonly referred to as the One Big Beautiful Bill Act, rolled back many clean energy tax credits and imposed new restrictions,

Contact Us

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