

How much solar power generation capacity does India have

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How much solar power does India have?

India has reached a milestone by surpassing 100 GW of installed solar power capacity, according to the country's Ministry of New and Renewable Energy. As of 31 January 2025, India's total solar capacity installed stands at 100.33 GW, with another 84.10 GW under implementation and an additional 47.49 GW under tendering.

How much solar power will India have in 2025?

India's cumulative installed solar capacity stood at 116.4 GW as of June 2025, and the trajectory over the next five years points to a significant ramp-up. Current forecasts project capacity to reach 127 GW by the end of 2025, 166 GW by 2026, 207 GW by 2027, 249 GW by 2028, and 292 GW by 2029.

How has India's solar power sector changed over the past decade?

India's solar power sector has witnessed an extraordinary 3,450% increase in capacity over the past decade, rising from 2.82 GW in 2014 to 100 GW in 2025. Solar energy remains the dominant contributor to India's renewable energy growth, accounting for 47% of the total installed renewable energy capacity.

What percentage of India's power is renewable?

By the end of August 2025, renewable energy sources accounted for 38.85 percent of India's total installed power capacity. Solar has been the largest contributor to this growth. The country's installed solar capacity stood at 123.130 GW, representing 63.96 percent of the total renewable capacity.

India's power sector is among the most diversified in the world, with generation from conventional sources like coal, gas, hydro, and nuclear, as well as renewable sources such as solar, ...

India has made significant progress in the field of renewable energy, with solar energy emerging as a major contributor. As of the end of August 2025, India had installed 123,130.13 MW of ...

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New Delhi, June 10, 2025: The Energy and Resources Institute (TERI) released a landmark report titled,

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"Reassessment of Solar Potential in India: A Macro-level Study", which aims to offer a renewed ...

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India Marching Ahead in Solar Energy Growth in Solar Installed Capacity (MW) as on 11.02.2025 Figures and Statistics

Installed Capacity: As on 31st March 2025, India's total installed power generation capacity reached to 475.21 GW, reflecting a substantial increase of 72.18% from 275.99 GW of ...

Solar now contributes 24.85 percent to the overall power mix, marking an annual increase of 44.06 percent compared to the previous year. This clearly shows how fast solar projects are being ...

India added 11.3 GW of solar capacity in Q2 2025 compared to around 6.8 GW in Q1 2025, marking a 66.9% quarter-over-quarter increase.

Solar energy in India - statistics & facts India's solar energy market is experiencing significant and rapid growth, establishing itself as a global leader in solar power deployment.

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