



India's solar power generation growth rate

How much solar energy has India generated in 2022-23?

The generation during 2022-23 was 1624.158 BU as compared to 1491.859 BU generated during 2021-22, representing a growth of about 8.87%. The installed solar energy capacity has increased by 26 times in the last 9 years and stands at 73.32 GW as of December 2023. In 2023, India has added 7.5 GW of solar power capacity.

Is India's solar energy capacity growing?

India Today's Data Intelligence Unit analysed the data and found that between 2013 and 2022, there was significant growth in India's solar energy capacity. Starting from 1.60 GW in 2013, the country's maximum net generating capacity steadily rose, reaching 63.15 GW by 2022.

How much solar power has India generated in FY24?

India has generated 75.57 BU of solar power in the first eleven months of FY24. Power generation from renewable energy sources (not including hydro) stood at 22.41 billion units (BU) in January 2024, down from 25.79 BU in January 2023. India added a record 18.48 GW of renewable energy capacity in 2023-24, a 21% increase over the previous year.

Will India double its power generation capacity in 2022?

India plans to more than double its electricity generation capacity from 399.5 GW in 2022 to approximately 849 GW by 2032. The NEP14 emphasizes a robust focus on renewable energy, particularly solar power, which is projected to grow from 66.78 GW in 2023 to 366 GW by 2032, constituting half of the total growth.

Will solar power be a key role in India's future energy system?

Global solar generation in 2023 was more than six times larger than in 2015, while in India it was 17 times higher. India's share of solar generation increased from 0.5 per cent of India's electricity in 2015 to 5.8 per cent in 2023. Pathways to decarbonising electricity show that solar will play a central role in the future energy system.

Can solar power boost India's economy?

The growth of the solar power sector in India is seen not just as a pathway to energy security but also as a driver of economic growth and job creation, with the potential to generate 5-6 million jobs by 2030 and possibly 9-10 million by 2047, thereby boosting the national economy.

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