



# Is India's new energy solar power generation

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.

Will India generate 75% of its electricity by 2050?

Bloomberg New Energy Finance (BNEF) estimates in its NEO 2018 report, that India will generate 75% of its electricity from renewable energy sources by 2050. India's current installed capacity stands at ~408 GW, of which renewable energy (Wind, Solar and other renewable energy) is ~118 GW. This is ~67% of the 175 GW target set in 2014.

How much solar power has India added in 2023?

In 2023, India has added 7.5 GW of solar power capacity. During January 2024, the capacity addition from solar energy stood at 9008.47 MW. Solar power accounted for 16.9% of the total installed power capacity and 40.1% of the total installed renewable capacity at the end of December 2023.

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.

What percentage of India's electricity is produced by solar power?

Solar power constitutes 18% of India's total installed electricity but only 6.66% of the power produced, highlighting a gap between capacity and actual output. Renewables, including solar and wind power, accounted for 30% of global electricity production in 2023, with China being the main contributor.

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.

We are integrating energy storage with wind and solar power generation at mega-watt scale in Jamnagar to provide grid-connected, round-the-clock electricity. We will also deploy batteries at grid-scale to convert intermittently captured ...



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India was ranked fourth in wind power capacity and solar power capacity, and fourth in renewable energy installed capacity, as of 2023. Installed renewable power generation capacity has increased at a fast pace over the past few ...

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