



# India Emerges as Third-Largest Solar Power Producer in 2023

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India's remarkable ascent as the **world's third-largest producer of solar power in 2023** underscores a significant shift towards [renewable energy sources](#) in the global energy landscape.

- **India surpassed Japan** in solar power production in 2023, generating 113 billion units (BU) compared to Japan's 110 BU.
- China remains the leading producer of solar power globally, generating 584 BU in 2024, more than the **next four countries combined** (the United States, Japan, Germany and India).
- **India ranks fifth globally in installed power capacity**, with 73 gigawatts (GW) of solar power capacity.
- **Global solar generation in 2023 was more than six times larger than in 2015, while in India it was 17 times higher.**
  - The share of solar generation increased from 0.5% of India's electricity in 2015 to 5.8% in 2023.
- 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**.

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