



# India's installed solar power capacity

What is India's solar capacity?

As of September 2024, India's cumulative installed solar capacity stood at 89.1 GW, of which utility-scale projects accounted for more than 86 per cent, and rooftop solar accounted for almost 14 per cent of cumulative installations.

Which state has the highest solar capacity in India?

As of September 2024, India's cumulative installed solar capacity stood at 89.1 GW, accounting for 20% of the country's total power capacity and 44% of its renewable energy capacity. Rajasthan, Gujarat, and Karnataka topped the list of states with the highest large-scale solar capacity, hosting 27%, 15%, and 14% of the total, respectively.

What is India's total solar capacity in 2024?

As of September 2024, India's total solar capacity reached 89.1 GW. Rajasthan, Gujarat, and Karnataka lead in large-scale solar installations. Representative image: Solar installations accounted for nearly 20 per cent of India's installed power capacity and over 44 per cent of the total installed renewable energy capacity.

How many MW solar power has been installed in India?

The Union Minister for New & Renewable Energy and Power has informed that as on 30.06.2023, a cumulative solar power capacity of 70,096 MW has been installed in the country. The State/UT-wise details of cumulative solar capacity installed are as given below.

What is the production capacity of solar cells in India?

As of December 2023, manufacturing capacity of solar cells and solar modules in India was 6 GW and 37 GW respectively. The production capacity is expected to be 25 GW for solar cells and 60 GW for solar modules by the end of 2025.

How much solar power does India have in 2022-23?

The State/UT-wise details of cumulative solar capacity installed are as given below. The State/UT-wise details of electricity generated through solar energy in the country during 2022-23 are as given below. The Minister informed that the country has an estimated solar power potential of 7,48,990 MW.

2 &#183; Solar Installations. India installed 16.4 gigawatts (GW) of solar capacity between January and September 2024, marking a 167 per cent year-over-year (Y-o-Y) increase compared to 6.2 GW in the same period in 2023, according ...

2 &#183; Solar energy now constitutes 20% of India's total installed power capacity and 44% of its renewable energy capacity. India's large-scale solar project pipeline reached 163 GW by September 2024, with an additional 127.2 ...

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