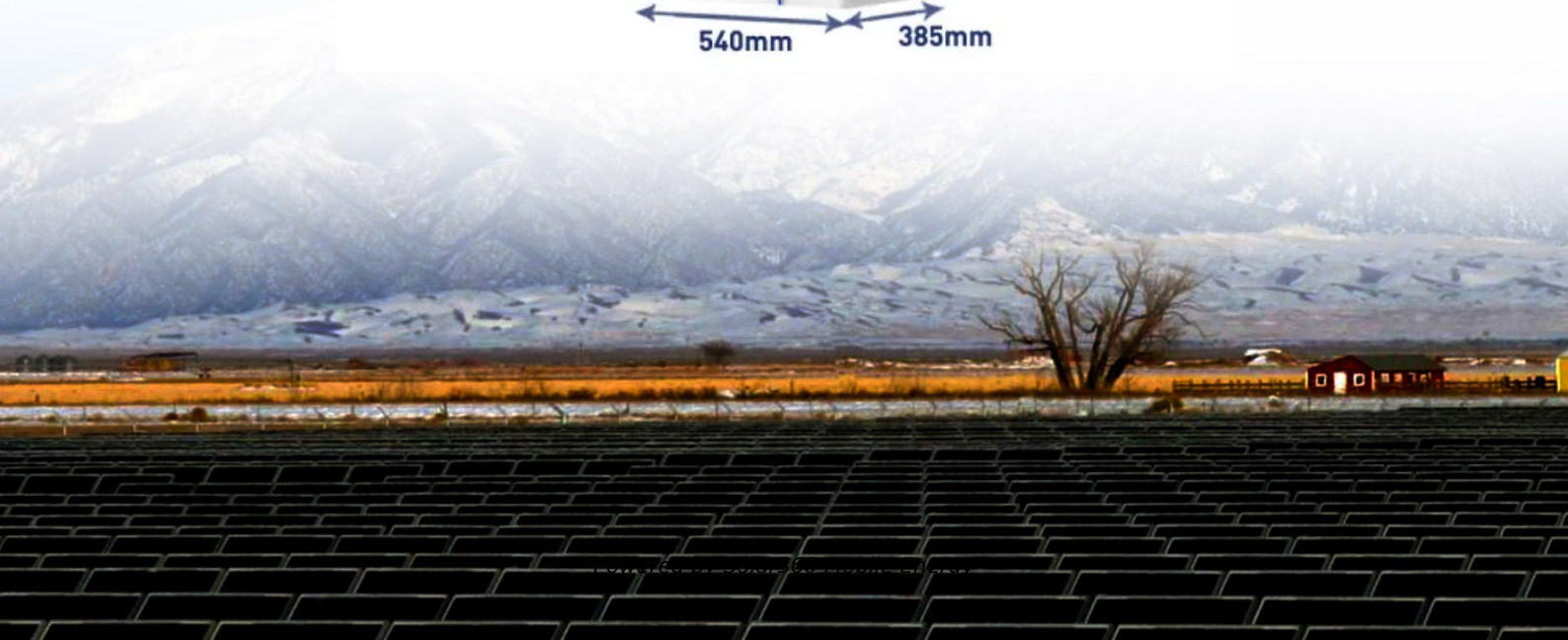
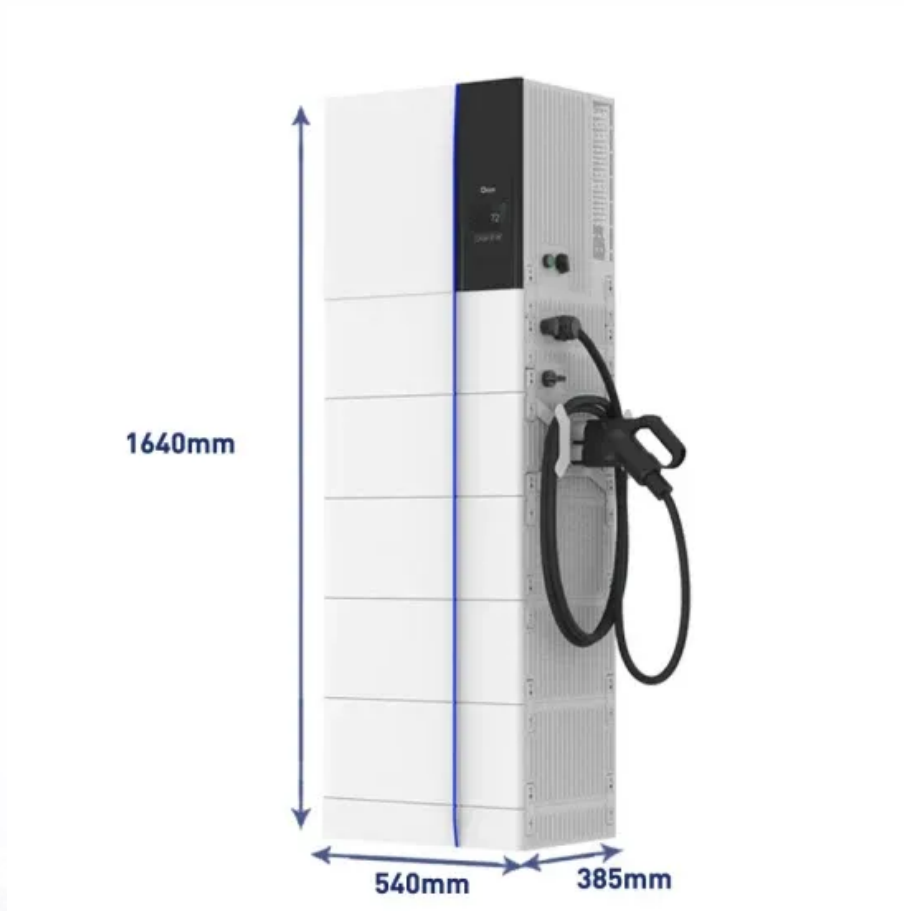


Current solar power capacity of india





Overview

How much solar power does India have?

India's cumulative installed solar capacity reached 116.4 GW as of June 2025, with large-scale projects accounting for 86 per cent and rooftop solar for 14 per cent. Solar now makes up 24 per cent of the country's total installed power capacity and more than 49 per cent of renewable energy capacity. However, tendering and auction activity slowed.

What is India's solar energy capacity in 2024?

As of November 2024, India's cumulative installed solar energy capacity has reached 94.17 GW. Growth Ahead: The country's total installed and pipeline solar projects combined stand (as on Nov 2024) at 261.15 GW, reflecting a strong pipeline for future growth and expansion in the solar sector. SOLAR PARKS AND BATTERY STORAGE SOLAR PV MODULE.

What is India doing with solar energy?

Solar energy continues to be the primary driver of India's renewable energy expansion, accounting for 47% of the total installed renewable capacity. In 2024, a record 24.5GW of solar capacity was added. The utility-scale solar sector also grew substantially, with 18.5GW installed – 2.8 times the capacity added in 2023.

How much solar power does India have in 2025?

New Delhi: India added 18 gigawatt (GW) of solar power capacity in the first half (H1) of 2025, a 31 per cent increase over the same period last year, according to the Q2 2025 India Solar Market Update by Mercom India Research.

Which country has highest solar capacity in 2024?

As of March 31, 2024, Rajasthan has maximum installed solar capacity of 19.9 GW followed by Gujarat (10.6 GW) and Karnataka (9.2 GW). In FY2024, India



added about 11.7 GW of utility-scale solar capacity and another 3 GW of rooftop solar capacity.

What is India's wind power capacity in 2024?

WIND ENERGY As of November 2024, India's cumulative wind power capacity stands at 47.96 GW. Future Growth: The country's installed and pipeline wind energy projects (as on Nov 2024) total is 74.44 GW, driving continued progress in renewable energy.



Current solar power capacity of india



India's installed PV capacity expected to hit 104 GW ...

Currently, India has an installed solar power of around 73 GW, according to ICRA. New solar capacity additions in fiscal year 2024 and fiscal year 2025 are estimated at 17 GW and 20 GW, respectively.

[Record Growth for Non-Fossil Fuel Energy in India](#)

With substantial capacity additions and impressive growth in solar, wind, bioenergy, hydro, and nuclear energy, the country continues to advance towards its ambitious target of achieving 500 GW from non-fossil ...



- ☒ IP65/IP55 OUTDOOR CABINET
- ☒ OUTDOOR MODULE CABINET
- ☒ OUTDOOR 5G BASE STATION CABINET
- ☒ WATERPROOF

[India to reach 160 GW of solar module capacity. 120 ...](#)

A new report by SolarPower Europe, with India-specific projections contributed by the National Solar Energy Federation of India (NSEFI), projects India's solar module manufacturing capacity to increase significantly ...



India Hits Historic 10 GW Solar Milestone In 4 Months ...

India has achieved a new milestone in its renewable energy journey by adding more than 10 GW of solar capacity in the first four months



of 2025, marking the highest-ever solar capacity addition during this period in the ...



[Solar Capacity in India: Annual India Solar Report ...](#)

In FY2024, India added about 11.7 GW of utility-scale solar capacity and another 3 GW of rooftop solar capacity. This represents an increase of about 14.5% and 36.4%, respectively, compared to the installation capacity ...



[India Solar Power Capacity 2024: India's solar power ...](#)

India Solar Power Capacity 2024: India added 24.5 Gigawatt of new solar power capacity in 2024, the highest ever achieved in any year, and more than double the solar capacity added in the previous calendar year 2023. ...



Solar power in India

India's solar power installed capacity was 119.02 GW AC as of 31 July 2025. [2] The use of solar power is also necessary for India to achieve carbon neutrality by 2070, by achieving 500 GW of renewable energy by 2030, of which at least ...



[India achieves a historic milestone of 100 GW Solar ...](#)

2 ???· The installed solar power capacity in the country has surpassed the 100 GW milestone and at the end of 31st January 2025, the total installed solar power capacity was 100.3 GW. This information was given by the Union ...



India's solar module capacity hits 100 GW with oversupply risk by ...

2 ???· India's solar module manufacturing capacity has reached about 100 GW, meeting domestic demand, says SBICAPS. With total capacity rising to 190 GW by March 2027 amid ...

Power Sector at a Glance ALL INDIA , Government of India

Government of India, Ministry of Power1.1 The electricity generation target (Including RE) for the year 2023-24 has been fixed as 1750 Billion Unit (BU). i.e. growth of around 7.2% over actual ...



[Annual Solar Installations: India Adds 24.5 GW in ...](#)

Source: CEA, MNRE, JMK Research Note: Solar capacity includes utility-scale solar, rooftop solar, and off-grid/distributed solar capacity Utility-Scale Solar: India added about 18.5 GW of new utility-scale solar ...



[India's Solar Power Capacity Reaches 92 GW, ...](#)

As of October 2024, the country's installed solar PV capacity has reached an impressive 92,119.18 MW, which accounts for more than 58.96% of its total renewable energy capacity, excluding large hydro. This growth ...



[India installed 'record' 24.5 GW of solar power ...](#)

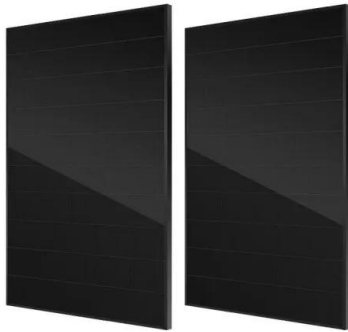
India added about 24.5 GW of new solar and 3.4 GW of new wind capacity in the twelve months ending Dec. 2024. This represents a more than twofold rise in solar installations and a nearly 1.21 times increase in wind ...



[India's Renewable Energy Capacity Hits New Milestone](#)

Leading States in Renewable Energy Capacity
Several states in India have emerged as leaders in renewable energy capacity, contributing significantly to the nation's progress. Rajasthan tops the list with an impressive ...





Investment Opportunities in Renewable Energy

The government's commitment to creating a sustainable world and scaling up solar capacity through initiatives like the International Solar Alliance reflects the country's potential to harness solar power in collaboration with more than 120 ...

India achieves a historic milestone of 100 GW Solar Power Capacity

2 ???· The installed solar power capacity in the country has surpassed the 100 GW milestone and at the end of 31st January 2025, the total installed solar power capacity was 100.3 GW. ...



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