

Percentage of solar energy in india





Overview

How much solar power does India have?

Both solar and wind power capacities together account for an impressive 116.87 GW, representing approximately 88.08% of the total renewable capacity, excluding large hydropower. India's commitment to sustainable development and environmental stewardship has been a driving force behind the robust growth of solar energy.

How much solar power does India have in 2024?

In 2024, solar power comprised nearly 36 percent of India's renewable potential, marking a substantial shift toward a more sustainable and diverse energy mix. The Gujarat Renewable Energy Policy introduced by the state's government sets a target to generate 50 percent of renewable energy by 2030.

Why is solar power important in India?

Solar power in India is an essential source of renewable energy and electricity generation in India. Since the early 2000s, India has increased its solar power significantly with the help of various government initiatives and rapid awareness about the importance of renewable energy and sustainability in the society.

How many solar projects are there in India?

India's also witnessed growth in hybrid and round-the-clock (RTC) renewable energy projects. Projects generating 64.67 GW are under implementation and tendered, bringing the grand total of solar and hybrid projects to 296.59 GW. Solar power is energy from the Sun that is converted into thermal or electrical energy.

How much solar power does India have in 2025?

India has achieved a historic milestone by surpassing 100 GW of installed



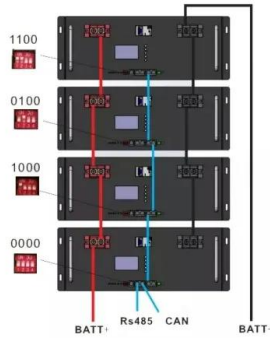
solar power capacity. As of January, 2025, India's total solar capacity installed stands at 100.33 GW with remarkable growth trajectory (see infographic). 84.10 GW is under implementation and an additional 47.49 GW under tendering.

Which state has the most solar installations in India?

Rajasthan, Gujarat, and Tamil Nadu emerged as the top-performing states, contributing 71% of India's total utility-scale solar installations. The rooftop solar sector also experienced significant growth in 2024, with 4.59 GW of new capacity installed, marking a 53% increase from the year 2023.



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35 Latest Solar Power Statistics, Charts & Data [2025] ...

Solar power is an energy source that has been around for quite some time. It's only recently, however, that people have begun to truly understand the potential of this energy source and how it can help the world transition ...

Solar Overview , MINISTRY OF NEW AND RENEWABLE ENERGY , India ...

The Sun has been worshiped as a life-giver to our planet since ancient times. The industrial ages gave us the understanding of sunlight as an energy source. India is endowed with vast solar ...



India's Renewable Energy Capacity Hits 234 GW, Solar ...

1 ??· India's renewable energy capacity totals 234 GW as of June 2025, with solar contributing 50%. The sector saw significant growth with 14.3 GW of utility-scale solar added in H1 2025, ...

[2021 Solar Power Statistics In India](#)

So, how is solar power just an important source of energy for India? The statistics may surprise you. The benefits of solar power for India? First, it's important to talk about the benefits of solar



energy. On a basic level, Indian ...



[India's Renewable Energy Capacity Hits 200 GW](#)

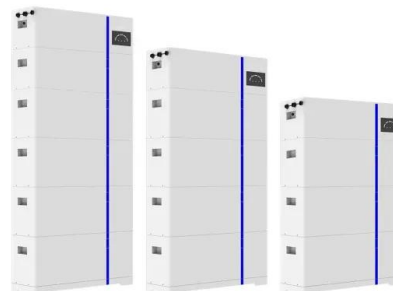
This marks a major shift in India's energy landscape, reflecting the country's growing reliance on cleaner, non-fossil fuel-based energy sources. A variety of renewable energy resources contribute to this impressive figure. ...



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