

India s energy storage solar ranking



Overview

Karnataka, Chhattisgarh and Gujarat were the top three states in terms of cumulative installed storage capacity. India's cumulative installed energy storage capacity reached 490 megawatt-hours (MWh) as of the end of June 2025, according to a report released by Mercom India on . Mercom's India Solar Market Leaderboard report covers market shares and rankings across the Indian solar supply chain in . In the calendar year 2025, 119 gigawatts (GW) of solar . India's installed renewable energy capacity is expected to increase to about 170 GW by March 2025 from the level of 135 GW as of December 2023 * Ministry of New and Renewable Energy targets 500 GW non-fossil-based electricity generation by 2030, as per the Prime Minister's COP26 announcement, with . India is rapidly transforming into a global leader in energy storage solutions, driven by its ambitious renewable energy targets and a growing need for sustainable power systems. With advancements in battery technology, grid storage, and renewable energy integration, Indian companies are at the . The report said India would need 930GW of solar capacity and around 2,560GWh of battery storage. According to a new report from energy think-tank Ember, solar-plus-storage could supply up to 90% of India's electricity demand at a levelised cost of electricity (LCOE) of INR5. The report . s, compiled by Debmaly ner .

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Solar-plus-storage could meet 90% of India's power demand

According to Ember, solar-plus-storage could theoretically supply up to 90% of India's total electricity demand.

Research

India's cumulative installed battery energy storage capacity reached 1,082 megawatt-hours (MWh) as of December 2025. In the calendar year 2025, 119 gigawatts (GW) of solar



Renewable Energy Statistics , MINISTRY OF NEW AND

Renewable Energy Statistics 2024-2025
Renewable Energy Statistics 2023-2024

[Top 10 Best Indian Companies In Energy Storage Solutions 2025](#)

Explore the top 10 Indian companies in energy storage solutions in 2025. Discover innovative technologies driving sustainable energy and renewable integration.



Energy Statistics India 2025

The publication highlights a robust growth in India's energy supply and consumption during FY 2023-24, alongside significant expansion in

renewable energy potential and installed capacity.

India's Renewable Energy Growth: Solar Power & More , IBEF

By October 31, 2025, renewable energy accounted for 39.66% of India's total installed power capacity, led by solar, which reached 129.92 GW and represented 64.87% of the overall renewable capacity.



India Climate & Energy Dashboard

A one-stop data platform with information across India's climate, energy, economy and environment contours.

India Energy Storage Market Overview September 2025 Update

India Energy Storage Alliance (IESA) is a leading industry alliance focused on the development of advanced energy storage, green hydrogen, and e-mobility technologies in India.



[India's installed energy storage capacity reaches 490 MWh by June](#)

Karnataka, Chhattisgarh and Gujarat were the top three states in terms of cumulative installed storage capacity. India's cumulative installed energy storage capacity reached 490

[Energy storage key to India's clean power transition: What Economic](#)

The Economic Survey flagged high capital costs, delays in land acquisition, and constraints in grid availability as key challenges before India's renewable energy momentum.



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