

India energy storage investment trends



Overview

India's cumulative tendered energy storage capacity has surged from 6. Standalone energy storage system (ESS) tenders, that contract storage capacity without being tied to a specific renewable generation asset, have emerged as the dominant. As per Market Research Future analysis, the India energy storage market Size was estimated at 3152. 63 USD Billion in 2025 to 38224. 85 USD Billion by 2035, exhibiting a compound annual growth rate (CAGR). With its sharp analysis and data-driven approach, it maps out practical, affordable ways to roll out storage, highlights priority areas, and explores how different technologies can work for us. I commend the India Energy and Climate Centre and the Power Foundation of India for this thoughtful. India's energy storage system (ESS) market grew from 122GWh to 224GWh cumulative, a 1. 8X times increase year-over-year (YoY), with a total of 60GWh projects under execution, 80GWh under various stages of tendering and 35GWh under the awarded stage. The total pipeline of battery energy storage. 19 May 2026 (IEEFA and JMK Research): As India pursues its ambitious target of 500 gigawatts (GW) of renewable energy by 2030, a new report by the JMK Research and Analytics and Institute for Energy Economics and Financial Analysis (IEEFA) shows that the country's clean energy ambitions hinge on. Dramatic cost reductions over the last decade for wind, solar, and battery storage technologies position India to leapfrog to a more flexible, robust, and sustainable power system for delivering affordable and reliable power to serve the growing power needs.



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India - World Energy Investment 2025 - Analysis

While a large share of the investment in India's power generation capacity and transmission networks is met by domestic sources, foreign direct investment (FDI) has been growing steadily, reaching USD 5

India's energy storage market in 2025: From tenders to scaled ...

India Energy Storage Alliance president Debmalya Sen talks us through the highlights and challenges of the past year, as India gets to grips with market development and acceleration.

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Solar energy

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In this context, the dramatic decline in energy storage costs—marked by a nearly 90% reduction in global storage prices over the last decade and recent energy storage auctions in India reflecting a

Energy transition investment trends in India

Energy storage investments grew from 1% in 2017 to 9% deal volume in 2024, driven by the growing emphasis on storage to support demand from data centres and the emergence of battery energy

India's US\$62 billion energy transition investments | EY

Investments in energy storage technologies, particularly lithium-ion batteries, rose from 1% in 2017 to 9% in 2024. This reflects growing demand for grid stability and energy reliability,

STRATEGIC PATHWAYS FOR ENERGY STORAGE IN INDIA

The report, Strategic Pathways for Energy Storage in India Through 2032, tackles these questions. With its sharp analysis and data-driven approach, it maps out practical, affordable ways to roll out storage,

India Energy Storage Market Size, Growth, Trends, Report 2035

Recent developments in the India Energy Storage Market have been significant, particularly with companies like Adani Group and Tata Power increasing their investments in

STRATEGIC PATHWAYS FOR ENERGY STORAGE IN INDIA

As India's grid attains higher penetrations of renewables, balancing generation variability through a spectrum of flexible resources, particularly energy storage, becomes increasingly important for

India's energy storage push gathers momentum, but tariff viability and ...

The report examines tariff outcomes observed in standalone BESS tenders in India, and examines the factors influencing tariff discovery, while evaluating economic viability under current

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India Energy Storage Market Share & Trends Analysis, 2032

India energy storage market will grow from USD 385.0 million in 2025 to USD 947.4 million by 2032, driven by rising power demand at a strong 14.0% CAGR.

Contact Us

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