

PDEOZE PowerContainer

Price of energy storage power supply in India



3354KWH

1331.2V 2520AH



Overview

Key Findings Standalone Energy Storage Systems (ESS) are rapidly emerging as a key market, with 6.1 gigawatts of tenders issued in the first quarter of 2025 alone, accounting for 64% of the total utility-scale energy storage tendering activity.

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The storage costs reflected by the latest auction prices in India have profound implications for the costs of a flat block of power - i.e., a solar+storage system can supply a steady stream of power with high availability throughout the year, given the cost-competitiveness of current solar prices.

Battery prices have dropped to \$55/kWh, prompting a potential surge in India's energy storage systems. With tariffs stabilizing and projected demand soaring, the future of energy storage in India looks promising.

As more variable renewable energy enters India's electricity grid, coinciding with sharp declines in battery costs, new business cases are emerging for BESS. One particularly promising opportunity is battery participation in India's wholesale power and ancillary services market.

NEW DELHI, Sept 20 (Reuters) - The central Indian state of Madhya Pradesh has secured India's lowest-ever price for buying solar power backed by battery storage in a clean energy auction.

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India's energy transformation is entering its most disruptive phase. While solar tariffs made headlines a decade ago, a silent revolution is now underway in battery energy ...

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maintaining its position as the cheapest form - in terms of \$/kWh - of grid-scale energy storage. Of all countries here compared, costs are cheapest in India, which already ...

A recent auction in India for Battery Energy Storage Systems (BESS) has delivered a

record-low price for the storage component, fundamentally changing the economics of ...

Currently, the cost of battery-based energy storage in India is INR 10.18/kWh, as discovered in a SECI auction for 500 MW/1000 MWh BESS. The government has launched ...

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