



# Average standalone energy storage price per 500MW in India

How much does solar energy cost in India?

Solar Energy Corp of India (SECI) has allocated 1 GW/2 GWh of standalone battery energy storage capacity at an average price of INR 3.81 lakh (\$4,551.33)/MW/month. JSW Neo Energy secured 500 MW by quoting the lowest tariff of INR 3.81 lakh/MW/month.

Which companies have secured 500 MW in solar energy tender?

JSW Neo Energy and Reliance Power have secured 500 MW each in Solar Energy Corp. of India's tender to set up 1 GW/2 GWh of standalone battery energy storage projects. Solar Energy Corp of India (SECI) has allocated 1 GW/2 GWh of standalone battery energy storage capacity at an average price of INR 3.81 lakh (\$4,551.33)/MW/month.

How much does a battery system cost in India?

Our bottom-up estimates of total capital cost for a 1-MW/4-MWh standalone battery system in India are \$203/kWh in 2020, \$134/kWh in 2025, and \$103/kWh in 2030 (all in 2018 real dollars). When co-located with PV, the storage capital cost would be lower: \$187/kWh in 2020, \$122/kWh in 2025, and \$92/kWh in 2030.

How much does PV energy cost in India?

When we scale unsubsidized U.S. PV-plus-storage PPA prices to India, accounting for India's higher financing costs, we estimate PPA prices of Rs. 3.0-3.5/kWh (4.3-5\$/kWh) for about 13% of PV energy stored in the battery and installation years 2021-2022.

Are India-specific battery storage cost benchmarks useful?

An increasing number of battery storage projects are being built worldwide, and there is significant interest in storage among Indian utilities and policymakers. However, detailed India-specific cost benchmarks that could help utilities design solicitations and assess costs and benefits have been unavailable.

How much does a PV battery cost in India?

(PPA) prices and bottom-up cost analyses of standalone batteries and solar PV-plus-storage systems. Scaling unsubsidized U.S. PV-plus-storage PPA prices to India, accounting for India's higher financing costs, they estimate PPA prices of Rs. 3.0-3.5/kWh (4.3-5\$/kWh) for about 13% of PV energy stored in the battery and installation years 2021-20

Specifically, recent auction results for storage have been record-breaking: the latest tender for standalone battery energy storage systems (BESS) with two hours' duration in April 2025 saw a winning bid of 2.8-2.85 lacs/MW/month, ...

In a significant development for India's renewable energy sector, a solar project integrated with energy storage



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has recorded a tariff of INR3.32 per unit--5.8 per cent lower than the rate discovered in a similar tender by SECI in ...



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