

Utility scale ESS supplier quotation in India 2025



Overview

Is ESS the cornerstone of India's utility-scale ESS auctions?

“The transition to low-cost. Standalone Energy Storage Systems (ESS) are emerging as the cornerstone of India’s utility-scale ESS auctions, making up 64% of the total tenders floated between January and March 2025, according to a new report by the Institute for Energy Economics and Financial Analysis (IEEFA) and JMK Research & Analytics.

Are energy storage systems the backbone of India's utility-scale ESS auctions?

Standalone Energy Storage Systems (ESS) are becoming the backbone of India’s utility-scale ESS auctions, accounting for 64% of the total tenders issued between January and March 2025 alone, according to a new report by the Institute for Energy Economics and Financial Analysis (IEEFA) and JMK Research & Analytics.

How much ESS capacity does India have in 2025?

The report finds that various Indian agencies tendered 6.1 gigawatts (GW) of Standalone ESS capacity in the first three months of 2025. “Standalone ESS are ideal to facilitate the rapid development and deployment of variable renewable energy (VRE) resources across India.

How important is standalone ESS in India?

Between January and March 2025, Indian agencies issued tenders for 6.1 GW of standalone ESS capacity, underlining the segment’s growing importance in enabling large-scale deployment of variable renewable energy (VRE) resources. “Standalone ESS are critical for building a flexible and resilient energy system in India.

How many GW of ESS capacity did Indian agencies tender in 2025?

The report highlights that Indian agencies collectively issued tenders for 6.1 gigawatts (GW) of Standalone ESS capacity during the first quarter of 2025.

What percentage of energy storage capacity is ESS?

Standalone ESS accounted for 64% of the total utility-scale energy storage capacity tendered from January to March 2025. Image: IEEFA

Utility scale ESS supplier quotation in India 2025



The Standalone Energy Storage Market in India

Beyond contracting delays, the sector faces structural hurdles related to supply chains, manufacturing and financing. India's installed BESS capacity remains limited, with most utility ...

Q1 2025: ESS Accounts For 64% Utility-Scale Tendering Activity

India's Standalone Energy Storage Systems (ESS) are becoming the backbone of India's utility-scale ESS auctions, accounting for 64% of the total tenders issued between ...



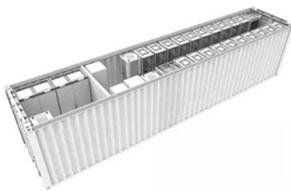
Deal to manufacture Energy Vault batteries in India

SPML Infra Ltd has entered into a technology transfer agreement which could lead to 40 GWh-plus of battery energy storage systems (BESS) being installed in India by 2035.

India shows urgency for energy storage systems by ...

The Central Electricity Authority estimates India will need about 42GW of BESS and 19GW of pumped hydro storage (PHS) capacity by 2030.

Large, grid-scale ESS projects will be crucial in meeting these future energy ...

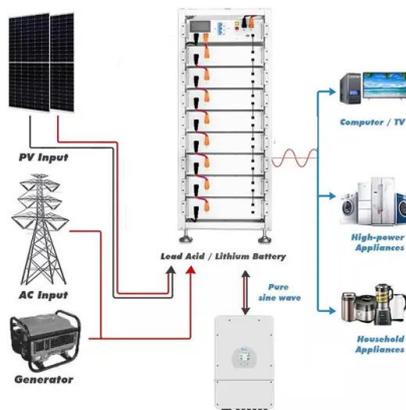


India's challenges and opportunities for PV, energy storage cells in 2025

Utility-scale ground-mounted projects have been driven India's installations, and market demand will likely rise further in 2024 and 2025 under government-led tenders.

Tesla Tops Battery Storage Supplier Rankings in First ...

Tesla Tops AAA-Rated Battery Storage Supplier Rankings in First ESS Bankability Report Release
 New energy storage system supplier rankings to be released at The Battery Show in Detroit, accompanied by lead ...



Top 30 Battery Companies for BESS in India (FDRE)

Discover the top 30 battery energy storage companies in India driving innovation in BESS technology. Learn how these industry leaders are supporting India's renewable ...

Roadmap for India: 2019-2032

Energy Storage System Roadmap for India 2019-32 Energy Storage System (ESS) is fast emerging as an essential part of the evolving clean energy systems of the 21st century. Energy ...



Contents

Innovations include India's first large-scale offshore wind tender totalling 4GW, issued in early 2024, with a 500MW concentrated "solar + thermal storage" tender to follow in early 2025. In ...

5 Reasons Why BESS Will Be a Focal Point of Energy ...

India will add 1.8 GWh of BESS in 2025. Battery Energy Storage System sector to grow over 375 times the current capacity by FY 2032.



Cost Projections for Utility-Scale Battery Storage: 2025 Update

In 2016, the National Renewable Energy Laboratory (NREL) published a set of cost projections for utility-scale lithium-ion batteries (Cole et al. 2016). Those 2016 projections relied heavily on ...

Battery Storage is here: A game-changer for India's ...

A report by JMK Research in 2023 commented on the rise of grid-scale energy storage systems (ESS) via demand-driven tenders, and how this was becoming important for the grid integration of renewables.

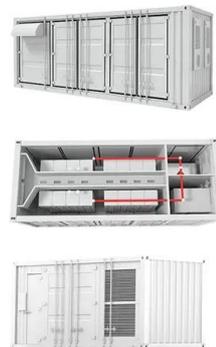


ARC FY2025

Suppliers are ranked basis their shipment/ supplies in India market from Apr 24-Mar 25 period. Include all module supplies to utility scale, onsite, offgrid as well as solar pumping segment.

Energy storage systems: The key to unlocking India's net-zero goals

India's goal to reduce carbon intensity by 45% and achieve 50% renewable energy capacity by 2030 necessitates significant energy storage systems (ESS) to stabilize ...



Energy Storage Projects Lead SJVN Auction to Record Low

Figure 1: Utility-scale "Solar + ESS" tender auctions in India Source: Tendering Authorities, JMK Research The recent "Solar + ESS" auction results highlight the growing ...

Q2 2025 (Apr-Jun) India RE Update

Q2 2025 (Apr-Jun) India RE Update Summary Q2
 2025 (Apr-Jun) India RE update Projections
 Quarterly market shares Tenders Investments
 The investment flow in the RE sector in Q2 2025
 ...



Energy storage systems: The key to unlocking India's net ...

Synopsis India's goal to reduce carbon intensity by 45% and achieve 50% renewable energy capacity by 2030 necessitates significant energy storage systems (ESS) to stabilize variable ...

India: 'Critical inflection point' for standalone energy ...

National and regional agencies in India tendered for 9.5GW of utility-scale ESS in Q1 2025, more than two-thirds for standalone systems.

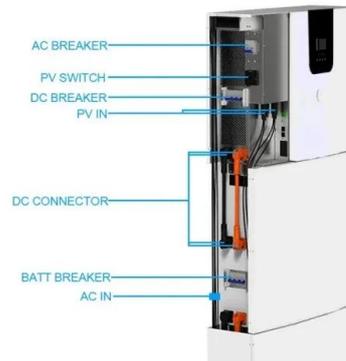


Standalone energy storage systems account for 64

The report finds that various Indian agencies tendered 6.1 gigawatts (GW) of Standalone ESS capacity in the first three months of 2025. "Standalone ESS are ideal to facilitate the rapid development and deployment ...

Batteries for Stationary Energy Storage 2025-2035: ...

Batteries for Stationary Energy Storage 2025-2035: Markets, Forecasts, Players, and Technologies 10-year forecasts on Li-ion BESS. Analyses on players, project pipelines, grid-scale & residential BESS markets, technology trends & ...

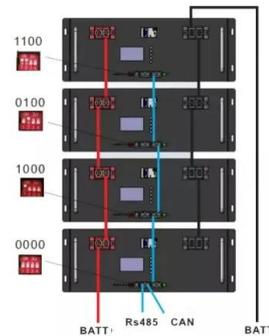


Monthly RE Update - May 2025

Monthly RE Update May 2025 - Auctions Completed In May 2025, a total of about 2056 MW of renewable energy (RE) capacity was allocated to various RE developers. ...

Tesla Tops Battery Storage Supplier Rankings in First ESS ...

Tesla Tops AAA-Rated Battery Storage Supplier Rankings in First ESS Bankability Report Release New energy storage system supplier rankings to be released at ...

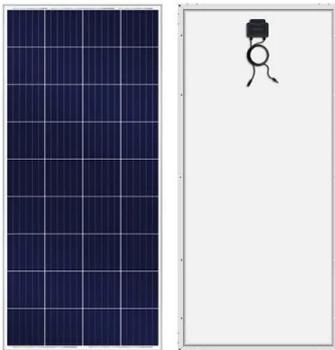


Step-by-Step BOQ for Battery Energy Storage ...

Balance of System (BoS): 25-30% of battery cost
 Civil and Structural Work: INR20-INR30 lakh depending on site conditions
 Installation and Commissioning: INR10-INR20 lakh for utility-scale systems
 Conclusion A detailed ...

India shows urgency for energy storage systems by already

The Central Electricity Authority estimates India will need about 42GW of BESS and 19GW of pumped hydro storage (PHS) capacity by 2030. Large, grid-scale ESS projects ...

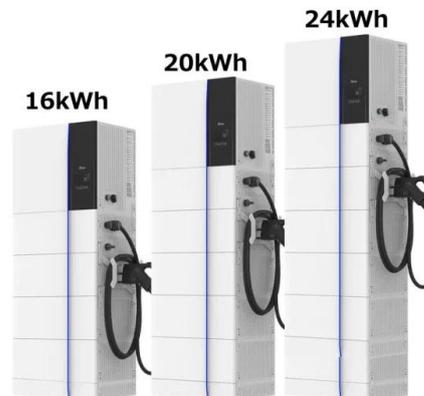


Role of BESS in shaping India's Energy Transition

India's first Battery Energy Storage System- Key Highlights India's first commercial utility-scale BESS (an inverter that can provide electricity to a grid) from renewable ...

India Energy Storage Linked Tenders Tracker 2018 -2025

As of April 2025, 153 GWh of ESS Capacity tenders has been shared of which 56 GWh is in various stages of execution and 55 GWh is in tendering process with 39 GWh tenders cancelled



Battery Energy Storage System in India Market

The India Battery Energy Storage Systems Market is growing at a CAGR of 11.20% over the next 5 years. Exide Industries Ltd, Delta Electronics, Inc, Amara Raja Group, AES Corporation and Toshiba Corporation are the ...

Top 10 Energy Storage System Manufacturers of 2023

Explore Energy Storage Systems (ESS), critical factors in choosing manufacturers, and top brands in the industry for a resilient energy future.



Utility-scale renewable energy tendering trends in ...

Source: JMK Research Note: Only utility-scale project development renewable energy tenders are included. Standalone ESS and PH tenders are not included. Of the total awarded tenders in FY2024, only about a ...

Standalone energy storage systems dominate utility ...

Standalone Energy Storage Systems (ESS) made up 64 per cent of India's utility-scale tendering in early 2025, highlighting their growing role in the country's renewable energy shift,



Solar system
 Equip your home solar with
 battery storage system

[Monthly RE Update - June 2025](#)

Our Monthly RE Update June 2025 report on RE industry covers: Monthly RE Update June 2025 - Tenders Issued New RfS Issued: About 6,800 MW of RE tenders was ...

Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://solar.j-net.com.cn>