

## Global PV Storage Insights

# Expected ROI of office building energy storage project in India 2026



## Overview

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Will India's energy storage sector expand five-fold between 2026 and 2032?

At the 5th Edition of the International Conference on Stationary Energy Storage India (SESI) 2025, which concluded last week in Gandhinagar, Gujarat, IESA projected that India's energy storage sector is poised to expand five-fold between 2026 and 2032.

How many projects has GoI supported?

GoI, through the Ministry of Science and Technology, has supported more than 90 projects related to energy storage, resulting in more than 150 scientific publications.

Why is BESS the first choice in energy storage technology?

The energy storage technologies vary in commercial viability parameters like technology maturity, energy density, operating costs, etc. Recently, the price competitiveness, the quick development of battery technologies, and the limitations of other storage systems have made BESS the first choice globally.

What is a long-term trajectory for energy storage obligations (ESO)?

A long-term trajectory for Energy Storage Obligations (ESO) has also been notified by the Ministry of Power to ensure that sufficient storage capacity is available with obligated entities. As per the trajectory, the ESO shall gradually increase from 1% in FY 2023-24 to 4% by FY 2029-30, with an annual increase of 0.5%.

## Expected ROI of office building energy storage project in India 2026



### India's solar capacity to hit 250 GW by 2026

India's renewable and large hydro energy share in electricity generation is expected to rise from 21% in 2024 to over 35% by 2030. To integrate this growth, ICRA ...

### Battery Energy Storage Systems

The BESS market in India is on the cusp of unprecedented growth, driven by the country's ambitious renewable energy goals and the critical need for grid stabilisation.



### India's battery storage capacity hits 219.1 MWh

India's installed battery storage capacity reached 219.1 MWh at the end of March 2024. A recent Mercom report predicts that the nation will add 1.6 GWh of standalone battery storage and 9.7 GW

### Smart Grid and Energy Storage in India

The India Energy Storage Alliance (IESA) is one of India's main bodies active in Energy Storage space. IESA has a network of 160+ member companies, encompassing industry verticals from

...



## India's energy storage sector to expand fivefold between 2026 ...

India's energy storage sector has taken significant strides in the past few years, backed by government incentives such as the approval of Viability Gap Funding for 13,200 ...

### Stationary Energy Storage India

India Energy Storage Alliance (IESA) estimates the market for energy storage in India to be US \$2.8 billion in 2018 and forecasts it to grow at a CAGR of 6.1% by 2026.



## BOOK YOUR STAND AT INDIA ENERGY WEEK 2026

India Energy Week 2026, India's flagship energy exhibition and conference (27-30 Jan, Goa), brings together 75,000+ professionals, 700+ global exhibitors and 500+ expert speakers to ...

## Energy Storage Systems (ESS) Projects and Tenders

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### Energy storage sector to draw in INR4.8 lakh cr by 2032: ...

At the 5th Edition of International Conference on Stationary Energy Storage India (SESI) 2025 concluded last week at Gandhinagar, in Gujarat, industry body IESA projected that India's energy storage sector is ...

### Union Budget 2025: Focusing on long-term energy ...

"Union Budget 2025 focuses on long-term energy security with plans to increase nuclear capacity to 100 GW by 2047, further diversifying India's energy mix. However, the journey from 8.2 GW today to 100 GW in 22 years will require a ...



### India: Achieve 74GW/411GWh Capacity of Energy Storage by 2032

In line with India's National Electricity Plan, the country is set to require 74 GW/411 GWh of energy storage capacity by 2032. The Indian government has unveiled a ...

## Solar, battery storage to lead new U.S. generating capacity

...

Battery storage. In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to the grid. U.S. battery storage already ...



## India Energy Storage Alliance expects 6.1% annual ...

The India Energy Storage Alliance (IESA) has published its fifth edition of its India Stationary Energy Storage market report, which predicts that the market for energy storage in India will grow at a CAGR of 6.1% by 2026.

## India's Energy Storage to Grow 12 Times by FY32 Boosted by Renewable Energy

The report concludes that India's focus on grid stability through energy storage will require a coordinated effort in policy, investment, and technology. With BESS and PSP ...



## India's Energy Storage to Grow 5X by 2032, Driven by INR4.79

...

India is rapidly emerging as a global hub for energy storage, driven by strong government support and a vision to achieve climate resilience and grid stability.

## Gap Analysis for Deployment of Grid-Scale Storage ...

The Government of India 2018 announced the creation of the National Energy Storage Mission to facilitate large-scale integrated electric storage and to set up a national ...



## Energy Storage Strategy and Roadmap , Department ...

The underlying motivation for DOE's strategic investment in energy storage is to ensure that the American people will have access to energy storage innovations that enable resilient, flexible, affordable, and secure energy systems and ...

## Global Energy Storage Market to Grow 15-Fold by 2030

BNEF forecasts energy storage located in homes and businesses will make up about one quarter of global storage installations by 2030. Yayoi Sekine, head of energy storage at BNEF, added: "With ambition the ...



## What Will be the Scenario of Indian Real Estate in 2026?

Foreign Direct Investment (FDI) in Real Estate India's real estate market is expected to continue attracting Foreign Direct Investment (FDI) in the coming years. By 2026, ...

## Govt Aims to Enhance India's Battery Storage Capacity by 2030

Photo: by freepik With its ambitious energy goals riding on ramping up of its battery energy storage systems (BESS), India is rolling out several incentive-laden policies to ...

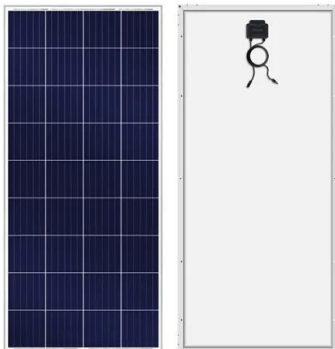


## Global Energy Storage Market to Grow 15-Fold by 2030

BNEF forecasts energy storage located in homes and businesses will make up about one quarter of global storage installations by 2030. Yayoi Sekine, head of energy ...

## "Battery energy storage market in India is on the cusp ...

The next five years will witness a transformative shift in India's energy landscape, positioning the country as a global leader in energy storage innovation, says Saurabh Kumar, vice president-India, GEAPP (Global Energy ...



## Smart Grid and Energy Storage in India

This report provides an outlook on smart grid and energy storage sectors in India, key stakeholders involved, regulatory and policy scenarios, government initiatives, technology ...

## Cost Projections for Utility-Scale Battery Storage: 2023 Update

Executive Summary In this work we describe the development of cost and performance projections for utility-scale lithium-ion battery systems, with a focus on 4-hour duration ...



## Union Budget 2025-2026, National Portal of India

National Portal of India provides a single-window access to information and services that are electronically delivered from all Government Departments, Institutions and ...

## Thermal Energy Storage in Commercial Buildings

Space heating and cooling account for up to 40% of the energy used in commercial buildings.<sup>1</sup> Aligning this energy consumption with renewable energy generation through practical and ...



## India on Track to Hit 132 GW of Solar by 2026, Says ICRA

To integrate this growing share, ICRA projects India will need 50 GW of energy storage by 2030, sourced from battery energy storage and pumped storage hydro projects.

## Fuelling Green Growth: Union Budget 2025-26 gives renewables ...

In the research and development (R& D) sector, Union Budget 2025-26 allocates Rs 200 billion to drive private sector-led research, focusing on clean energy, semiconductors ...



## Global Top 10 Upcoming Energy Storage Projects Market by 2030

Asia-Pacific (APAC) region is expected to dominate the global energy storage market, accounting for 49% of upcoming energy storage projects by 2030. Australia, China and India are among ...

## India's expanding battery energy storage ecosystem ...

An SBICAPS report says funding of the battery energy storage ecosystem in India (spanning the project as well as the upstream level) presents an INR 3.5 trillion opportunity till FY32, with an INR 800 billion medium-term ...



## India's First Commercial Utility-Scale Battery Energy ...

New Delhi , 08 May 2024 -- In a significant step forward for India's energy transition, the Delhi Electricity Regulatory Commission (DERC) has granted regulatory approval of India's first commercial standalone Battery Energy ...

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