



**Cygni's
Containerized
BESS Solutions**



CYGNI DREAMZ

NEWSLETTER - JAN 2026

Dear Team, Partners & Stakeholders,

As we step into the new year, India's energy storage journey is clearly entering a decisive phase — one defined by scale, speed, and strategic self-reliance. At Cygni, January has been about reinforcing our commitment to indigenous manufacturing, delivering tangible customer value, and aligning ourselves with the rapidly evolving BESS ecosystem.

India's BESS demand is growing at an unprecedented pace, yet domestic manufacturing continues to rely heavily on imports. In my recent article published in Cleantech Hero, I highlighted the urgency for enabling policies — including differentiated duties, clear HSN classifications, and a focused PLI framework — to build a resilient, competitive Indian BESS manufacturing ecosystem. With global markets moving aggressively and China targeting 180 GW of storage by 2027, India must act decisively. At Cygni, we firmly believe that strengthening indigenous capability is not optional — it is essential for energy security, cost competitiveness, and long-term sustainability.

The year ahead will demand sharper execution, deeper collaboration, and bold innovation. With the market accelerating and expectations rising, Cygni remains focused on building robust, scalable, and Indian-made energy storage solutions that power a reliable and decarbonised future.

Looking forward to your feedback on this month's Newsletter.

Warm regards,

Venkat Rajaraman

Founder & CEO

Cygni Energy Pvt. Ltd.

Cygni In The News

Article- Accelerate Indigenous BESS Manufacturing?



From Petro-Dollars to Lithium-Dollars: Why India Must Accelerate Indigenous BESS Manufacturing



Venkat Rajaraman
Founder & Director, Cygni Energy

As recent BESS tenders reflect aggressive pricing assumptions, China's Special Action Plan threatens to tighten lithium supply and disrupt cost forecasts. Venkat examines India's current import dependence and global market shifts that may impact domestic projects. He outlines critical policy interventions needed in the upcoming Union Budget—including differentiated customs duties, clear HSN classifications, and a tailored PLI scheme—to achieve true BESS self-reliance.



India's BESS demand is accelerating, but domestic manufacturing still depends heavily on imports. As global players move fast—with China targeting 180 GW of storage by 2027—India needs urgent policy action. Differentiated duties, clear HSN codes, and a focused PLI are key to building a resilient BESS ecosystem. Read our CEO [Venkat Rajaraman](#)'s article in [Cleantech Hero](#) magazine.

[Read More](#)

Cygni - 51.2 kWh BESS Installation in Hyderabad

51.2kWh BESS Storage With 16kW Solar + 50kW Hybrid



Location
Hyderabad, India.

PEAK SAVING

POWER BACKUP

C&I APPLICATIONS

SYSTEM SPECIFICATIONS

HYBRID INVERTER
50kW

SOLAR PV ARRAY
16.1kWp

TOTAL STORAGE
51.2kWh

SYSTEM VOLTAGE
512V DC

BATTERY CONFIG
10S 1P Modules

INTEGRATION
HV Combiner

We are thrilled to report yet another commissioning of our new 50 kW & 51.2 kWh BESS project. This BESS has been installed by a manufacturing company for peak shaving and power backup and is expected to **save over INR 10,75,000** over the course of its lifetime!

Cygni's Industry-Leading Storage Solutions

RESIDENTIAL & COMMERCIAL SOLUTIONS

RESIDENTIAL SOLUTIONS



Cygnet 100W

Nominal rating: 51.2V 100Ah
Rated energy: 5.12kWh
Rated power: 5kW
Cycle life: 6,000
Paralleling: Up to 4 packs to get 20kWh



Cygnet 100R

Nominal rating: 51.2V 100Ah
Rated energy: 5.12kWh
Rated power: 5kW
Cycle life: 6,000
Paralleling: Up to 8 packs to get 40kWh

Reliable LFP Battery Solutions

- Local service for all components including inverters
- Superior round trip efficiency
- Can be integrated with existing Solar solutions
- Ultra long life cycle LFP cells

**Complete powering solutions
and customizable as per
the demand**

COMMERCIAL SOLUTIONS

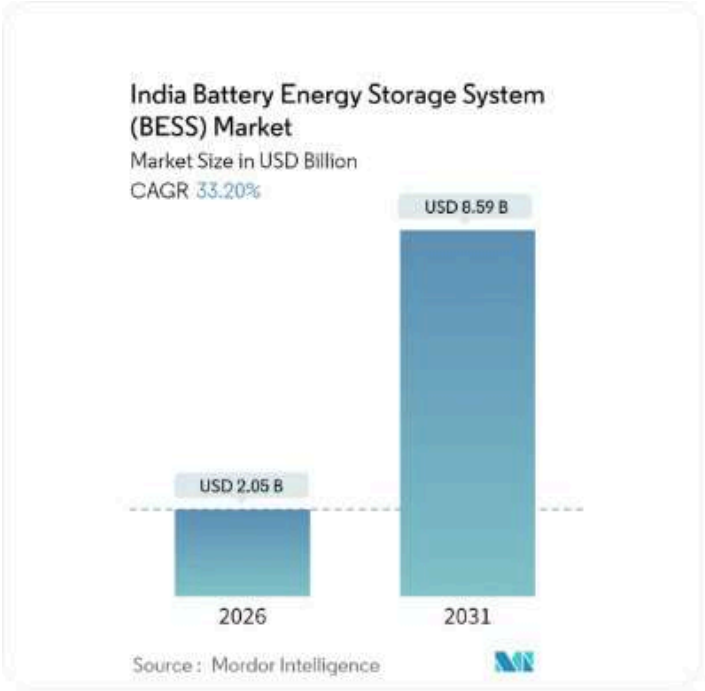


Slim Stack (51.2kWh)

Nominal rating: 512V 100Ah
Rated energy: 51.2kWh
Rated power: 50kW
Cycle life: 6,000
Paralleling: up to 250 kWh

Industry News

India Battery Energy Storage System (BESS) Market



Market Overview

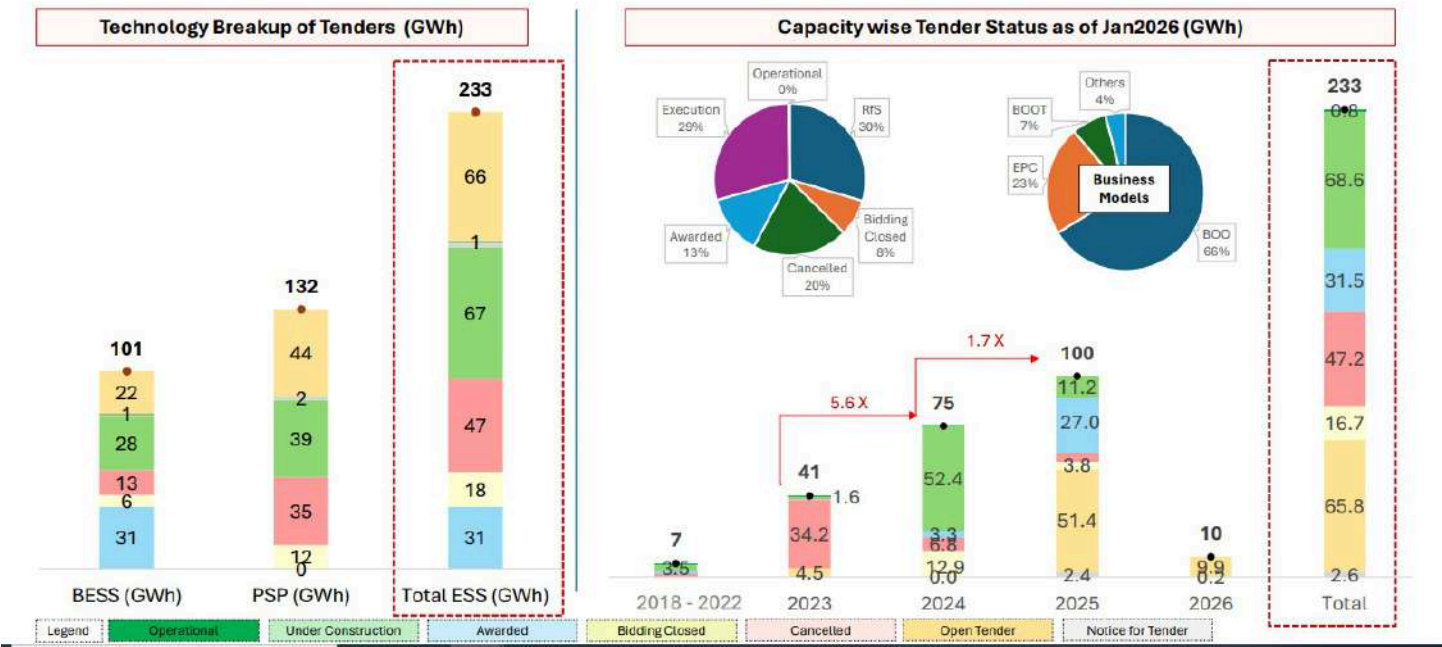
Study Period	2021 - 2031
Base Year For Estimation	2025
Forecast Data Period	2026 - 2031
Market Size (2026)	USD 2.05 Billion
Market Size (2031)	USD 8.59 Billion
Growth Rate (2026 - 2031)	33.20% CAGR
Market Concentration	Medium

The India Battery Energy Storage System Market was valued at USD 1.54 billion in 2025 and estimated to grow from USD 2.05 billion in 2026 to reach USD 8.59 billion by 2031, at a CAGR of 33.2% during the forecast period (2026-2031).

Key Report Takeaways

- By battery type, lithium-ion batteries captured 92.15% of India's battery energy storage systems market share in 2025 and are projected to advance at a 35.2% CAGR through 2031.
- By connection type, on-grid utility installations led with 78.30% share in 2025, while off-grid deployments are set to grow at a 36.9% CAGR to 2031.
- By component, battery packs and racks commanded 57.60% of the India battery energy storage systems market size in 2025; energy-management software is projected to expand at a 38% CAGR to 2031.
- By capacity range, the 10-100 MWh segment accounted for 47.00% of the India battery energy storage systems market size in 2025, whereas projects exceeding 500 MWh are forecast to post a 38.6% CAGR to 2031.
- By end user, utilities accounted for 70.05% of the revenue in 2025; commercial and industrial customers showed the fastest uptake at a 36.2% CAGR through 2031.
- By geography, Rajasthan led with 280 MWh of operating capacity in 2024; Gujarat is the fastest-growing state, with pipeline awards exceeding 1,500 MWh.

India Battery Energy Storage System Market- Jan 2026



As of 2026, BESS capacity of 0.8 GWh is operational, with ~6 GWh worth capacity expected to come online by December 2026. Of the total ESS capacity, 42% is under various stages of execution, 20% is cancelled and 35% is under tendering process.

[Read IESA BESS Market Report Jan '26](#)

Cygni- BESS Product Catalogue

POWERING THE GREEN REVOLUTION

Stationary storage products and solutions



[Download Here](#)

Cygni- AHM

Cygni AHM(All hands meet) is a strategic review and alignment forum that brings together Cygni's leadership and key functional heads. The meeting focuses on performance review, business strategy, market insights, operational challenges, and growth opportunities across verticals. It serves as a platform to share best practices, align goals, review targets, and drive collaboration for improved execution and sustainable growth.



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