



Cygni In The News

Dear Team, Partners & Stakeholders,

I am pleased to share this month's newsletter, highlighting key developments in Cygni Energy's journey. This month saw progress in our technology, product development, and industry engagement.

We attended the **JMK Renewable Energy Conference & EXPO 2026** on **11 September 2026** at **Novotel Hyderabad Airport**. It was an opportunity to engage with industry leaders and share our perspectives on energy storage. We discussed on the topic of **"Battery Storage – Business Models & Deployment,"** focusing on future challenges and opportunities. We showcased our **All-in-One Energy Storage System (ESS)** and **Wall-Mount Battery Packs**, highlighting our focus on diverse energy-storage solutions.

In product development, we dispatched our **307V 196Ah Battery Pack** for commercial vehicles (LCV) and also developed a **50.8V 42Ah Battery Pack for marine applications**, expanding into new segments. These achievements reflect our team's dedication. At Cygni Energy, we focus on creating reliable, innovative solutions that contribute to India's cleaner energy future.

Thank you to our customers, partners, and the Cygni Energy team for their continued support. We look forward to more milestones ahead.

Warm regards,

Cygni @JMK Renewable Energy Conference & EXPO 2026



Cygni Energy was proud to participate at the **JMK Renewable Energy Conference & EXPO 2026**, held on **11 September 2026** at **Novotel Hyderabad Airport, Hyderabad**. Our **CEO & Founder, Mr. Venkat Rajaraman**, shared his perspectives during the session “**Battery Storage – Business Models & Deployment**,” highlighting India’s evolving battery energy storage landscape, emerging business models, and the opportunities and challenges associated with large-scale deployment. He also highlighted India’s dependence on imported battery materials and emphasized the need to strengthen domestic manufacturing capabilities and build a more self-reliant battery ecosystem.

At the exhibition, we showcased our **All-in-One Energy Storage System (ESS)**, which integrates **Battery, Hybrid Inverter, EMS, and AC & DC protection** for seamless and intelligent energy management. We also showcased our **Wall-Mount Battery Packs**, highlighting Cygni Energy's growing portfolio of reliable, scalable, and innovative energy storage solutions for residential, commercial, and renewable energy applications. The event provided a valuable platform for **industry engagement, knowledge sharing, and discussions on the future of battery storage**, further strengthening Cygni Energy's commitment to supporting India's transition towards a **reliable, sustainable, and self-reliant energy ecosystem**.

Cygni @ BESS Installation

20kW / 20.48kWh BESS Installation in Karnataka



20kW/20.48kWh BESS Storage

SMART MONITORING PEAK SHAVING SCALABILITY

SYSTEM SPECIFICATIONS

BESS Capacity 20.48kWh	INVERTER CONFIG 20kW
No. OF MODULES 4 Modules	SYSTEM VOLTAGE 204.8V
BATTERY CONFIG 5.12kWh (51.2V,100Ah)*4 No.s	SYSTEM SCOPE Emergency Backup, Solar Export.

Location
Mundgod, Karnataka

Cygni Energy successfully installed and commissioned a **20kW / 20.48kWh Battery Energy Storage System (BESS)** for a **residential application** in **Mundgod, Karnataka**. The system is integrated with the existing solar and grid supply to efficiently manage energy and provide reliable backup power. During normal operation, solar energy is utilized to meet the household load and charge the battery, while during grid outages, the stored battery energy and available solar generation are used to supply the backup loads. The system enables better utilization of solar power, reduces dependence on grid electricity, and ensures a reliable power supply during power interruptions.

 **Projected Lifetime Savings: ₹4+ Lakhs**

Empowering businesses with intelligent, reliable, and future-ready energy storage solutions.

20kW / 64.3kWh BESS Installation in Maharashtra



20kW/64.3kWh BESS Storage

SMART MONITORING PEAK SHAVING SCALABILITY

SYSTEM SPECIFICATIONS

BESS Capacity 64.3kWh	INVERTER CONFIG 20kW
No. OF MODULES 4 Modules	SYSTEM VOLTAGE 51.2V
BATTERY CONFIG 16kWh (51.2V,314Ah)*4 No.s	SYSTEM SCOPE Emergency Backup, Solar Export.

Location
Akola, Maharashtra

Cygni Energy has successfully installed and commissioned a **20 kW / 64.3kWh** Battery Energy Storage System (BESS) for a **residential application in Akola, Maharashtra**. This system seamlessly integrates with the **existing solar and grid supply** to efficiently manage energy use while providing reliable backup power. In normal conditions, solar energy powers the household and charges the battery. During grid outages, stored energy from the battery and solar generation supplies the backup loads. This setup enhances solar energy utilization, decreases reliance on grid electricity, and ensures a dependable power supply during interruptions.

 **Projected Lifetime Savings: ₹ 15+ Lakhs**

Empowering homes with intelligent, reliable, and future-ready energy storage solutions.

12kW / 32kWh BESS Installation in Maharashtra





12kW/32kWh BESS Storage

SMART MONITORINGPEAK SHAVINGSCALABILITY

SYSTEM SPECIFICATIONS

BESS Capacity 32kWh	INVERTER CONFIG 12kW
No. OF MODULES 2 Modules	SYSTEM VOLTAGE 51.2V
BATTERY CONFIG 16kWh (51.2V,314Ah)*2 No.s	SYSTEM SCOPE Emergency Backup, Solar Export.

 Location
Akola, Maharashtra

Cygni Energy has successfully installed and commissioned a **12 kW / 32kWh Battery Energy Storage System (BESS)** for a **residential application in Akola, Maharashtra**.

This system is seamlessly integrated with the existing solar and grid supply to optimize energy usage and provide reliable backup power. Under normal conditions, solar energy satisfies the household's needs and charges the battery. During grid outages, the stored energy in the battery and any available solar generation provide power to the backup loads.

This system improves solar energy usage, reduces dependency on grid electricity, and ensures a reliable power supply during grid interruptions.

 **Projected Lifetime Savings: ₹9.34+ Lakhs**

Empowering homes with intelligent, reliable, and future-ready energy storage solutions.

Industry News

Cabinet approves Green Energy Corridor Phase-III scheme for Development of Intra-State Transmission System with Battery Energy Storage Systems

प्रतिष्ठित तिथि: 30 SEP 2026 3:13PM by PIB Delhi

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has approved the Green Energy Corridor Phase-III (GEC-III) scheme. This historic initiative will strengthen India's Intra-State Transmission System (InSTS) to enable evacuation of up to 135 Gigawatt (GW) of renewable energy across States/ Union Territories.

The scheme also provides for deployment of 50 GWh of Battery Energy Storage Systems (BESS) at the Renewable Energy (RE) developer/generator end or any other location of importance for grid flexibility to address intermittency, congestion, peak-hour curtailment and meet non-solar hour demand. The scheme will facilitate grid integration and power evacuation within the States/UTs of India.

The scheme is targeted to be set up by FY 2032-33 with total project outlay of Rs.1,86,405 crore, comprising Rs.1,36,378 crore for the development of Intra-State Transmission Systems (InSTS) under GEC-III, Rs.50,000 crore for 50 GWh of Battery Energy Storage Systems (BESS). The Scheme involves a total Central Financial Support of Rs.54,082 crore. The Central Financial Assistance (CFA) will help in offsetting the Intra-State transmission charges and thus keep the power costs down. Thus, the Government support will ultimately benefit the end users – the citizens of India.

All Greenfield projects under the InSTS component will be implemented through Tariff Based Competitive Bidding (TBCB) mode, while brownfield upgradation and network strengthening works will be executed under Cost Plus Basis (CPB). The State Transmission Utilities will be the overall implementing agency, and Transmission Service Providers (TSPs) will participate under TBCB on a Build-Own-Operate-Maintain (BOOM) model.

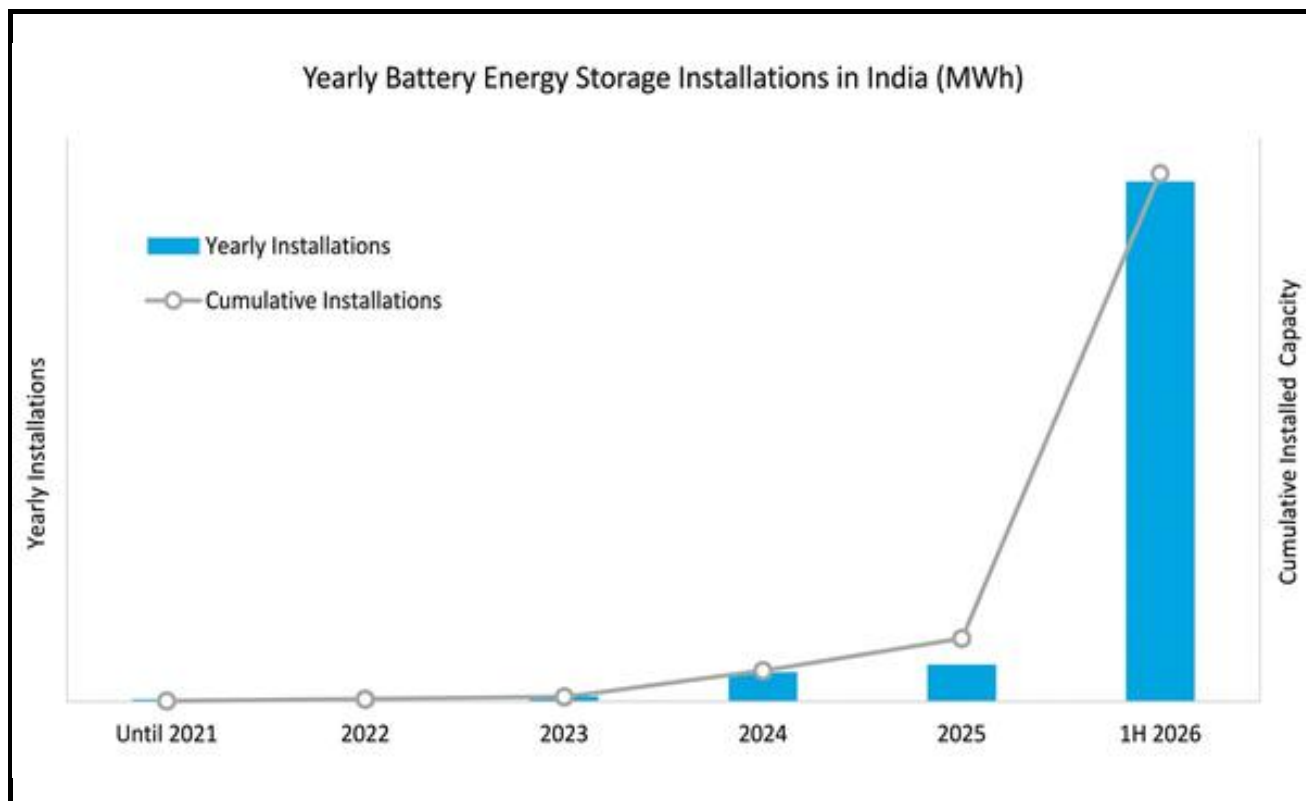
The scheme will help in achieving the target of 900 GW installed Non-Fossil capacity by 2035. The scheme will also contribute to long term energy security of the country and promote ecologically sustainable growth by reducing carbon footprint. It will generate large direct & indirect employment in the power sector, manufacturing, and construction industries. Battery Energy Storage System (BESS) manufacturing and deployment will additionally generate employment in the domestic energy storage industry. The scheme will also generate long-term skilled employment in operation, maintenance, and grid management across participating States.

The Government of India has approved the **Green Energy Corridor Phase-III (GEC-III)** scheme to strengthen intra-state power transmission and support the integration of renewable energy.

- The scheme will support evacuation of up to **135 GW of renewable energy**.
- It includes deployment of **50 GWh of Battery Energy Storage Systems (BESS)**.
- The total project outlay is **₹1,86,405 crore**, including **₹50,000 crore for BESS**.
- The scheme will be implemented by **FY 2032–33**.
- BESS will help manage renewable energy intermittency, grid congestion, peak-hour curtailment and non-solar-hour demand.
- The scheme provides **₹54,082 crore of Central Financial Support**.
- It is expected to create opportunities and employment in **BESS manufacturing, deployment, power infrastructure, construction, O&M and grid management**.
- The initiative will support India's target of **900 GW installed non-fossil capacity by 2035** and strengthen long-term energy security.

[Download the Full Report Here](#)

India's Battery Storage Additions Jump 84-Fold to 8.2 GWh in 1H 2026

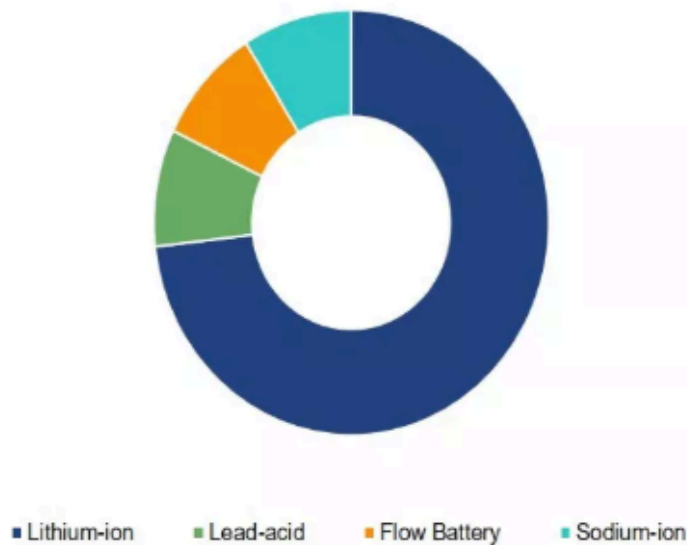


- India added **8.2 GWh** of battery storage in **H1 2026**, compared with only **98.4 MWh** in **H1 2025** — an approximately **84-fold increase**.
- Total installed battery storage capacity reached **9.3 GWh** by **June 2026**.
- **Standalone BESS** contributed **83%** of cumulative installed capacity. Solar + wind with storage contributed 9%, while solar + storage contributed 8%.
- **Rajasthan** had the highest installed capacity share at **36%**, followed by **Gujarat 20%** and **Maharashtra 5%**.
- In **Q2 2026**, India added **3.6 GWh**, which was 22% lower than Q1, but standalone BESS still represented almost **98% of quarterly additions**.
- Battery storage tenders reached **28 GW** in **H1 2026**, up **86% YoY**, while only around **9 GW was auctioned**. This shows a significant gap between tenders and actual project awards.
- Key challenges include **grid connectivity, project execution, safety, degradation, system availability, battery supply chains, pricing and project economics**.
- The report says storage demand is increasing because of **higher renewable generation, solar curtailment and increasing evening power demand**.
- Government support such as **VGF and ISTS charge waivers** is expected to help large-scale BESS deployment grow

[Read More](#)

Solar Energy Storage Market Size, Share, and Growth Forecast 2026 - 2033

Solar Energy Storage Market Outlook, by Battery Technology, 2026 – 2033



Market Size, 2026
US\$ 12.6 Bn

Lithium-ion
Leading Battery
Technology Segment,
2026

Sodium-ion
Fast-Growing Battery
Technology Segment,
2026

Source: www.persistencemarketresearch.com

- The global solar energy storage market is expected to grow from **US\$12.6 billion in 2026 to US\$43.1 billion by 2033**, with a **19.2% CAGR**.
- **Falling battery pack costs** are making solar-plus-storage projects more attractive across residential, commercial and utility-scale applications.
- Growing **rooftop solar adoption** is increasing demand for batteries to store excess daytime generation and use it during evening peak hours.
- **Asia Pacific** is expected to lead the global market with around **42% market share in 2026**, supported by strong solar deployment and battery manufacturing capacity.
- **Lithium-ion batteries** remain the dominant technology, while **sodium-ion batteries** are gaining attention as an alternative technology.
- The **100 kWh–1 MWh** capacity segment is expected to hold the largest market share, while systems above **10 MWh** are expected to see faster growth.
- Increasing solar penetration is creating a need for BESS to reduce **renewable energy curtailment** and improve grid flexibility.
- Demand for **long-duration energy storage** is growing as utilities look to shift solar power from daytime generation to evening peak demand.
- **India is emerging as an important growth market**, supported by increasing solar capacity, government initiatives and hybrid solar-storage projects.
- The growing adoption of solar-plus-storage is creating opportunities across the **BESS manufacturing, system integration, EPC, energy management and storage-as-a-service** segments.

Read the Report Highlights here

Upcoming Events

The Battery Show India 2026



THE BATTERY SHOW
by informa...
INDIA October 22-24, 2026
India Expo Mart, Greater Noida

4th edition

CONFERENCE PARTNER
everZINC+

I AM SPEAKING AT CONFERENCE
THEME : ENGINEERING INDIA'S NET ZERO ECONOMY

DAY-2

TOPIC:
Accelerating Battery Energy Storage in India:
Tendering to Execution

TIME: 04:10 PM - 05:10 PM
VENUE: Hall UrjaX

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Venkat Rajaraman
Chief Executive Officer
Cygni Energy Private Limited

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Cygni Energy at The Battery Show India 2026!

We're excited to share our participation at **The Battery Show India 2026**.

 Session: **Accelerating Battery Energy Storage in India: Tending to Execution**

 **October 23, 2026 | Day 2**

 **4:10 PM – 5:10 PM**

 **Hall UrjaX | India Expo Mart, Greater Noida**

The session will explore how India can move from BESS ambition to real-world execution, addressing key opportunities, deployment challenges, and the path toward scalable energy storage solutions.

 Join us for valuable industry insights and conversations shaping the future of Battery Energy Storage in India.

See you at The Battery Show India 2026!

[Register Here](#)

Celebrating Ganesh Chaturthi at Cygni Energy

Cygni Energy celebrated Ganesh Chaturthi with devotion, positivity, and togetherness. The celebration brought our team together to seek the blessings of Lord Ganesha and mark the festival with joy and enthusiasm.

The festival symbolizes **wisdom, prosperity, new beginnings, and the removal of obstacles**. It was a wonderful opportunity for our team to come together and celebrate the spirit of unity and positivity.

We wish everyone a **Happy Ganesh Chaturthi!** 🙏✨. **Ganpati Bappa Morya!**



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