



Cygni In The News

Dear Team, Partners & Stakeholders,

I am pleased to share Cygni Energy's monthly newsletter with updates on our journey, key developments, technology initiatives, and milestones.

This month's highlight is the commissioning of our **first All-in-One Energy Storage System (5kW / 5kWh)**, a significant milestone in our residential energy storage journey. We also commissioned our **16kWh high-capacity LV Energy Storage System**, adding a scalable and reliable solution to our portfolio.

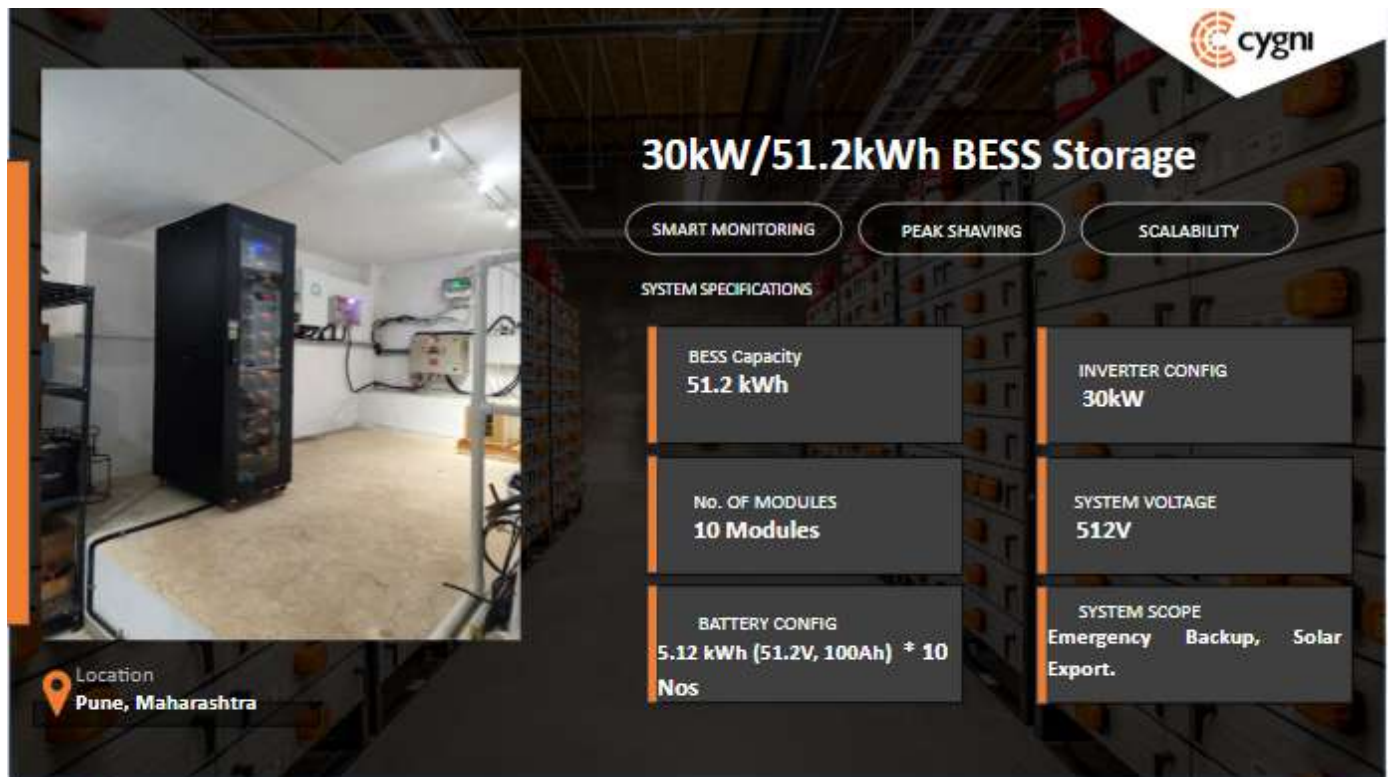
The energy storage market continues to gather significant momentum, both in India and globally. As renewable-energy penetration increases, Battery Energy Storage Systems (BESS) are rapidly becoming an essential part of the electricity infrastructure, supporting grid stability, peak management and reliable integration of solar and wind. India is witnessing a strong acceleration in standalone BESS, renewable-plus-storage and Firm & Dispatchable Renewable Energy (FDRE) projects, supported by large-scale tenders and an increasingly enabling policy framework.

These milestones reinforce our commitment to **innovation, quality, reliability, and customer value** as we contribute to India's clean-energy transition.

Your trust and collaboration remain crucial to our journey. Thank you for your continued interest and support.

Warm regards,

Cygni - 30kW/51.2kWh BESS Installation in Maharashtra



30kW/51.2kWh BESS Storage

SMART MONITORING PEAK SHAVING SCALABILITY

SYSTEM SPECIFICATIONS

BESS Capacity 51.2 kWh	INVERTER CONFIG 30kW
No. OF MODULES 10 Modules	SYSTEM VOLTAGE 512V
BATTERY CONFIG 5.12 kWh (51.2V, 100Ah) * 10 Nos	SYSTEM SCOPE Emergency Backup, Solar Export.

Location
Pune, Maharashtra

Cygni Energy successfully deployed a **30kW / 51.2kWh Battery Energy Storage System (BESS)** for **Residential Solution** in **Pune, Maharashtra**.

This advanced configuration provides enhanced energy management and reliable backup power, particularly during power cuts occurring during solar generation hours. In the event of a grid outage, the solar power generated by the **25 kW On-Grid Inverter** can be effectively utilized to charge the battery or supply power directly to the backup loads, ensuring maximum utilization of available solar energy.

A hybrid solar + 51.2 kWh BESS solution that **improves backup reliability, maximizes solar usage, reduces grid dependence, and optimizes energy costs.**

 **Projected Lifetime Savings: ₹20+ Lakhs**

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

Cygni - 5kW/5kWh AIOS Installation in Karnataka



AIOS - 5kW / 5kWh

SMART MONITORING PEAK SHAVING SCALABILITY

SYSTEM SPECIFICATIONS

BESS Capacity 5.12 kWh	INVERTER CONFIG 5kW
No. OF MODULES 1 Modules	SYSTEM VOLTAGE 51.2V
BATTERY CONFIG 5.12 kWh (51.2V, 100Ah)	SYSTEM SCOPE Emergency Backup, Solar Export.

Location
Bengaluru, Karnataka

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Cygni Energy successfully deployed a **5kW / 5kWh All-in-One BESS system**, for a **Residential Solution** facility in Bengalure, Karnataka.

Integrated with a **5kW Hybrid Inverter**, the system is designed to maximize solar energy utilization while ensuring reliable power availability. It supports **peak shaving, emergency backup, and solar power export**, helping the customer optimize energy consumption, reduce electricity costs, and improve energy resilience.

 **Projected Lifetime Savings: ₹3+ Lakhs**
Empowering businesses with intelligent, reliable, and future-ready energy storage solutions.

Industry News

India Energy Storage Market Update August 2026

The **India Energy Storage Market Update for August 2026** provides an in-depth overview of the robust growth in India's Battery Energy Storage Systems (BESS) sector. The report outlines a significant increase in tender activities, an upsurge in project awards, and a rise in commercial installations, demonstrating the sector's strong momentum.

As of August 2026, approximately 291 GWh of Energy Storage System (ESS) capacity had been tendered. Of this, 121 GWh are in various stages of execution while 104 GWh are still under tendering. The operational BESS capacity has reached around 9.1–9.2 GWh, with an additional 2–3 GWh anticipated to be online by December 2026. The report further emphasizes the increasing opportunities within standalone BESS, solar-plus-storage setups, as well as firm and dispatchable

renewable energy projects. However, it also notes that while BESS tariffs are declining, the rising costs of cells are critical factors that influence project economics and their long-term sustainability.

[Download the Full Report Here](#)

Why India's BESS growth story depends on delivering bankable projects

The **Battery Energy Storage System (BESS)** market in India has advanced significantly, showcasing no longer just potential but tangible growth. The market is witnessing a notable increase in demand, which is coupled with heightened investment interest. A robust pipeline of projects is already in place, indicating a promising future.

The current emphasis is on execution, where the true challenge lies. Success in this sector will largely depend on the collaborative efforts of policymakers, developers, manufacturers, and financiers to transform these plans into functional projects. If the execution can align effectively with the prevailing ambitions, India has the potential to ascend as one of the premier global leaders in the energy storage market. On the other hand, if there is a lag in execution, the disparity between the announced capacity and actual commissioned projects could continue to grow. The destiny of the market will likely be shaped by projects that are successfully built, financed, and deployed at a large scale.

[Read More](#)

Lithium-ion Battery Market Size, Share, and Growth Forecast 2026 – 2033

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Lithium-ion Battery Market Size and Trend Analysis

The **global lithium-ion battery market** size is expected to be valued at **US\$ 186.5 Billion in 2026** and projected to reach **US\$ 484.1 Billion by 2033**, growing at a **CAGR of 14.6%** between **2026 and 2033**.

Market growth is primarily driven by the accelerating adoption of electric mobility and the increasing deployment of energy storage systems. Automakers worldwide are transitioning toward battery-powered vehicles in response to stricter emission regulations, decarbonization targets, and declining battery cell costs. At the same time, grid-scale energy storage is emerging as a significant demand driver, as utilities require reliable battery systems to manage intermittent renewable power generation and maintain grid stability. These developments are supporting sustained investments in battery manufacturing capacity and technological advancements, strengthening lithium-ion battery demand across transportation and stationary energy storage applications.

- **Key Growth Drivers:** Electric vehicle adoption and BESS deployment are the major factors driving market growth.

- **Leading Region:** Asia Pacific leads the market with nearly 58% share in 2026, supported by strong battery manufacturing capacity.
- **EV Dominance:** Electric Vehicles account for nearly 62% of the application market in 2026, making EVs the largest demand segment.
- **LFP Growth:** LFP batteries are the fastest-growing chemistry due to their lower cost and strong thermal stability.
- **BESS Opportunity:** Energy Storage Systems are the fastest-growing application, driven by increasing solar and wind integration and the need for grid stability.
- **Key Challenges:** Raw-material price volatility and supply-chain concentration remain major risks for battery manufacturers.
- **Emerging Opportunities:** Second-life battery repurposing, LFP and sodium-ion technologies can create new revenue opportunities and help reduce battery costs.

[Read the Report Highlights here](#)

Upcoming Events

JMK Renewable Energy Conference & Expo 2026



Upcoming Event

We're excited to participate as an Exhibit Partner at the upcoming

JMK RENEWABLE ENERGY CONFERENCE & EXPO 2026

Event Speaker:
Mr. Venkat Rajaraman
Founder - CEO
Cygni



11th September 2026



Booth No. 3



Novotel Hyderabad Airport

www.cygni.com

We're excited to participate as an Exhibit Partner at the upcoming JMK Renewable Energy Conference & Expo 2026.



11th September 2026 |



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Booth No. 3



Our CEO & Founder, Mr. Venkat Rajaraman, will speak on “Battery Storage – Business Models & Deployment.”



Visit us at Booth No. 3 to explore our advanced BESS & energy storage solutions.



<https://www.cygni.com/>

Register Here

Celebrating Independence, Powering India's Future with BESS

Cygni proudly celebrated India's **80th Independence Day**, reflecting on our nation's journey towards **self-reliance and innovation**.

India's journey towards self-reliance is driven by innovation, local manufacturing, and the development of homegrown technologies. At Cygni, we are proud to contribute to this journey by **manufacturing Battery Energy Storage Systems (BESS) in India**.

BESS plays an important role in supporting India's growing energy needs and enabling a more reliable and sustainable energy future. By strengthening local manufacturing and developing advanced energy-storage capabilities in India, we aim to contribute to a more self-reliant energy ecosystem.

From celebrating our independence to building solutions for tomorrow — **we are proud to build in India, for India and for the world.**

Together, let's innovate, manufacture, and power a **stronger and more self-reliant India**.
Happy 80th Independence Day!



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