



Dear Team,

This year, let's join hands to embrace a sustainable future by choosing clean energy. The choices we make today will determine the well-being of generations to come.

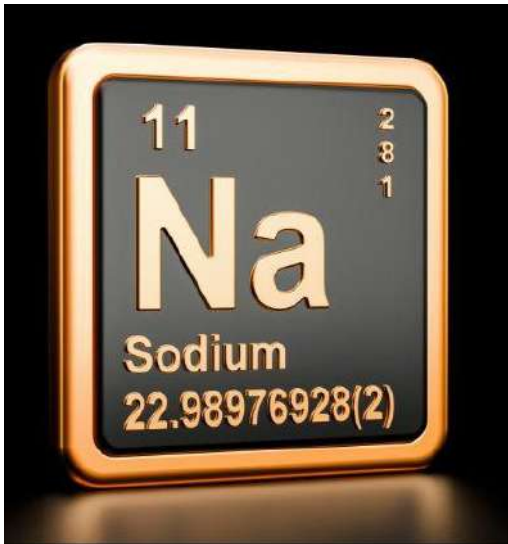
It is exciting times for the battery industry with the underlying battery technology continuously evolving. Read more about it in the Annual Battery Report below. On the NMC front, NMC 811 has become mainstream and LMFP is an incremental advancement over LFP.

India's EV industry is witnessing massive changes with market consolidation being seen in EV-2W industry and gaining market dominance by the existing top players. On the EV-3W market, L3/L5 segment continues to grow. E-Rickshaw is witnessing big transition from LA to LIB. Market is growing for BESS and Telecom segment and new technologies are likely to disrupt the market.

We're proud to announce that several of our battery packs are now AIS 156 Rev3 certified, demonstrating our commitment to safety and quality. At Cygni, we believe in continuous innovation as the cornerstone of strength and growth. We also understand the importance of protecting our environment and are committed to responsible battery recycling.

Read all of this and more in our monthly newsletter. Please keep your feedback coming so that we can continually improve.

Thank you,
Venkat Rajaraman
CEO / Founder
Cygni Energy Pvt. Ltd.



Sodium ion – a real challenger or another passerby for Indian storage tech?

Cygni Energy opinion piece on Sodium Ion battery technology published in the EVReporter.com magazine.

This is an evolving area. We delve on two aspects:

- 1) Why India should start considering investing in Sodium-ion battery technology as it has inherent supply chain advantages.
- 2) How Sodium-ion batteries are quite likely to supplement lithium-ion batteries as multiple battery technologies will continue to co-exist for different applications.

[Read the Full Article](#)



TWF 2024: Battery Management & Recycling

Cygni Energy participated in TWF 2024 on 21-22 Feb. The panel was moderated by Mr. Ashim Sharma of NRI Consulting with participation from Cygni Energy, Electric One, LML, Exponent Energy, Attero Recycling and ARC Electric. The session highlighted the critical role of battery management and recycling in creating a sustainable future.

The best practices for EV battery management, including charging habits, maintenance procedures, and end-of-life disposal, to maximize battery life and performance under Indian operating environment was deliberated.

[Watch The Conference](#)



Annual Battery Report 2023

As the most-read industry report, the Annual Battery Report 2023 summarizes the most significant developments in the battery industry. Crowd-sourced from top industry and academia experts, this report seeks to provide a comprehensive and accessible overview of the latest battery research, policy and business landscape all over the world. Must read report for the battery engineers and technologists.

[Read Here](#)

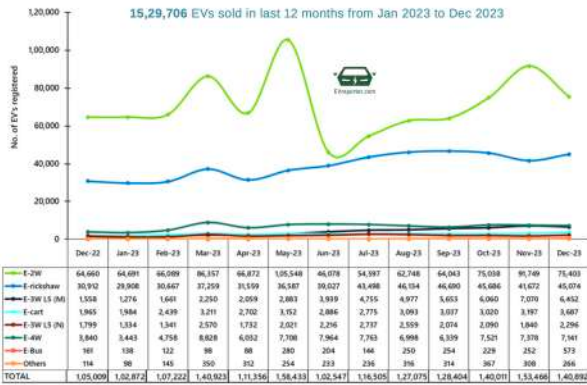


India's EV revolution is spreading from auto rickshaws to motorbikes

India's urban landscape is rapidly evolving, especially in its bustling cities. A decade ago, the iconic auto-rickshaws were predominantly diesel-powered, with electric versions being a rare novelty. Fast forward to today, and Delhi leads the charge in transitioning to battery-powered three-wheelers, capturing 54% of the market.

[Read Here](#)

Category wise-Sales Trend from Dec 2022 to Dec 2023



M- Passenger | N - Cargo | Source: Vahan Dashboard. Data as per 1355 out of 1442 RTOs across 34 out of 36 state/UTs

Annual EV Sales Trend in India

The E-2W segment witnessed a Q-o-Q sales growth of 29.7%. Overall market insights are:

1. EV-2W: Market consolidation. Gaining market dominance by the existing top players.
2. EV-3W: L3/L5 market growing. E-Rickshaw big transition underway from LA to LIB
3. BESS and Telecom: Growing market. New technologies to disrupt this market.

Full Report

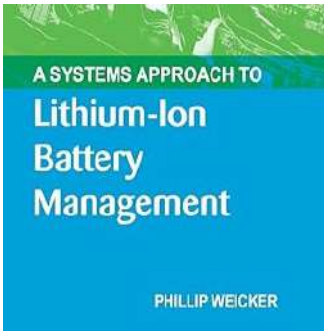


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Book Review: A Systems Approach to Lithium-Ion Battery Management by Phil Weicker

This book discusses battery management system (BMS) technology for large format lithium-ion battery packs from a systems perspective. This resource covers the future of BMS, giving us new ways to generate, use, and store energy, and free us from the perils of non-renewable energy sources. This book provides a full update on BMS technology, covering software, hardware, integration, testing, and safety.

Celebration - CYGNI All Hands Meeting



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