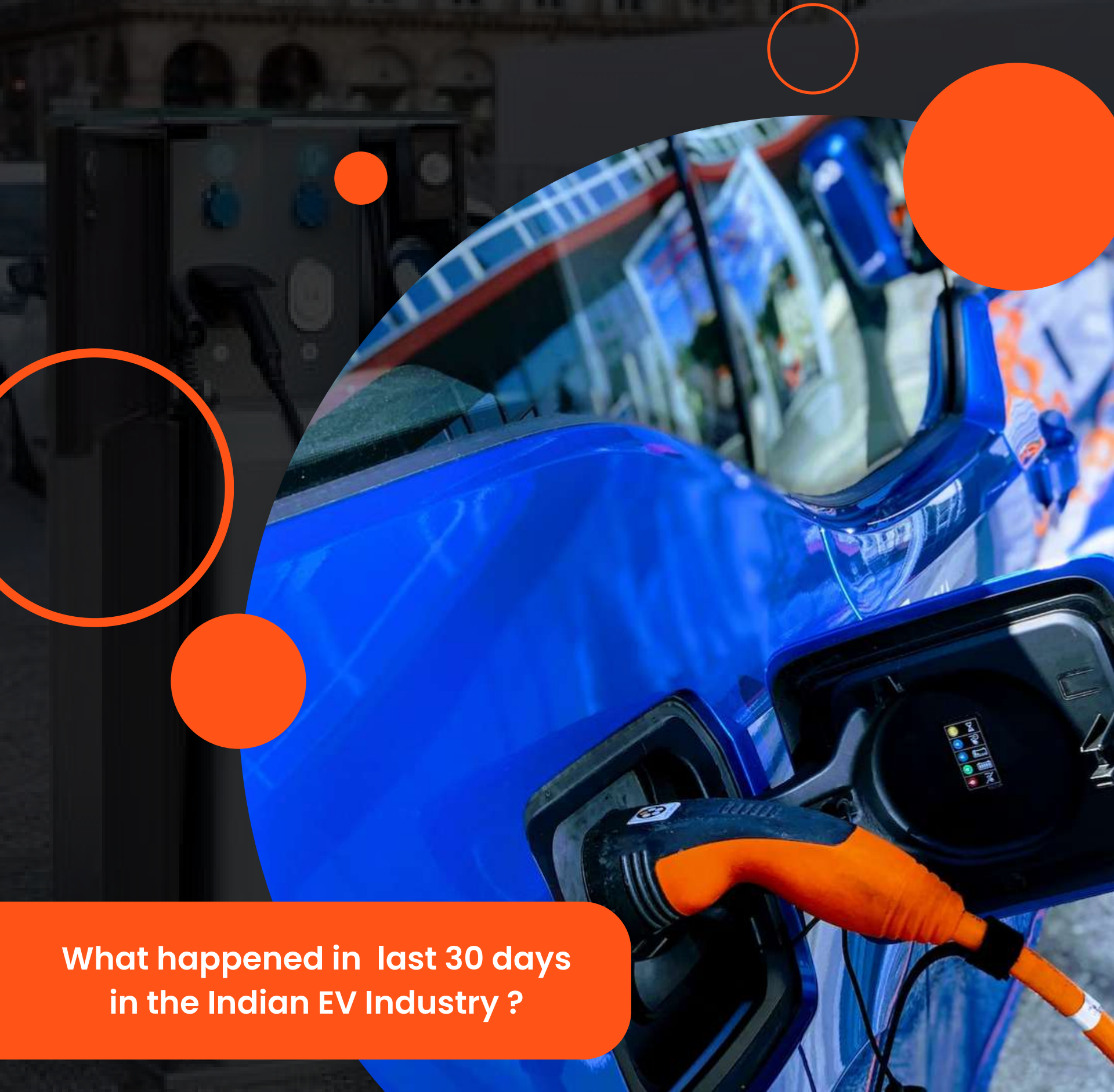




EDUCATE | PROMOTE | AWARE

DECEMBER 2023



What happened in last 30 days
in the Indian EV Industry ?

EV Update Inside

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Editor's Note



Dear Readers,

As the year 2023 draws to a close, I am filled with a sense of pride and gratitude as I present to you the December edition of All India EV magazine. This edition is not just a culmination of the events of the past month but a celebration of the milestones we've achieved together in the Indian EV industry.

This year has been particularly momentous for us at All India EV. We reached significant milestones that reflect the growing influence and reach of our platform.

Our LinkedIn community has grown to over 10,000 followers, a testament to the growing interest and engagement in the EV conversation.

Our magazine has garnered a remarkable base of 27,000 subscribers, each of whom shares our passion for the EV sector.

Furthermore, our website has attracted 17,000 subscribers, indicating the increasing reliance on our platform for credible and insightful EV industry news and analysis.

In addition to these achievements, we have forged meaningful collaborations with key players in the EV industry, including battery manufacturers, 2W EV manufacturers, and charging station manufacturers. These partnerships have not only enriched our content but have also allowed us to play a pivotal role in shaping the EV narrative in India.

As we step into 2024, we are excited about the opportunities and challenges ahead. Our achievements in 2023 have set a solid foundation for us to build upon.

At All India EV, we remain committed to bringing you the most relevant, insightful, and inspiring content. We thank you, our readers, for your continued support and enthusiasm, which fuels our passion for this dynamic industry.

Together, let's continue to drive towards a cleaner, greener, and more sustainable future.











Warm regards,

Ankit Sharma
Editor-in-Chief











Top EV 2W Manufacturers in India

(Based on Sales Data: December & total sale in Year 2023)

December / 2023

1		29,002 / 2,65,635
2		12,061 / 1,66,194
3		9,969 / 71,420
4		6,420 / 1,04,445
5		2,945 / 24,004
6		1,567 / 11,102
7		1,393 / 6,893
8		1,111 / 11,348
9		942 / 31,590
10		764 / 6,198

December / 2023

11		705 / 15,812
12		673 / 6,962
13		671 / 2,371
14		662 / 7,771
15		662 / 7,175
16		548 / 29,955
17		371 / 42,900
18		288 / 4,168
19		227 / 4,120
20		196 / 1,579

Sales Analysis

- **Market Leader:** Ola Electric Technologies Pvt Ltd leads the market with the highest total sales in 2023, amounting to 265,635 units.
- **Top Competitors:** TVS Motor Company Ltd and Ather Energy Pvt Ltd are the next top competitors with total sales of 166,194 and 104,445 units, respectively.
- **Strong Market Entry:** Ola Electric Technologies demonstrates a strong market presence, consistently leading monthly sales and showing the potential of new entrants in the electric 2-wheeler sector.
- **TVS Motor's Performance:** TVS Motor Company Ltd shows a fluctuating sales pattern with a significant dip in April but recovers steadily in the following months.
- **Ather Energy's Growth:** Ather Energy Pvt Ltd shows gradual growth throughout the year, with a slight decrease in sales in the mid-year months (June, July).
- **Bajaj Auto Ltd's Performance:** Despite a slower start, Bajaj Auto Ltd shows significant growth in the latter half of the year, especially in the festive months (October, November, and December).
- **Monthly Sales Trends:** Most manufacturers show varying month-on-month sales, indicating the influence of market dynamics, consumer preferences, and promotional activities.
- **End of Year Surge:** A common trend is a significant increase in sales towards the end of the year, especially in November and December, possibly due to festive season offers and year-end discounts.
- **Ola's Dominance:** Ola Electric's monthly sales are significantly higher than its competitors, indicating strong consumer preference and brand positioning.
- **Seasonal Sales Patterns:** Sales trends suggest a potential impact of seasonal factors, with increases during festive seasons and year-end.
- **Market Growth Potential:** The overall high sales numbers indicate a growing market for electric 2-wheelers in India, with significant consumer interest.

- **Competitive Landscape:** The market is highly competitive, with multiple players vying for market share and consumer preference being a key determinant.
- **Niche Players:** Lower-ranked manufacturers show niche market penetration, with steady but comparatively lower sales figures.
- **Market Dynamics:** The electric 2-wheeler market is dynamic, with sales influenced by factors such as product launches, government policies, and economic conditions.
- **Future Outlook:** Given the overall trend and increasing focus on sustainable transportation, the electric 2-wheeler market in India shows a promising future, with potential for new entrants and technology advancements.

All India
EV

EV Leasing Business in India

- How is EV leasing different from buying an EV?
- What are the opportunities and challenges for EV leasing in India?
- What are the trends and innovations in EV leasing in India?



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Top EV 3W Manufacturers in India

(Based on Sales Data: December & total sale in Year 2023)

December / 2023

1  | 4,424 / 11,701

2  | 3,770 / 40,607

3  | 2,635 / 29,306

4  | 2,267 / 25,046

5  | 2,019 / 20,746

6  | 1,500 / 15,929

7  | 1,292 / 12,799

8  | 1,266 / 14,841

9  | 1,262 / 4,573

10  | 1,234 / 11,051

December / 2023

11  | 1,191 / 13,543

12  | 1,068 / 10,065

13  | 1,063 / 11,142

14  | 960 / 8,470

15  | 954 / 10,740

16  | 850 / 7,267

17  | 802 / 8,797

18  | 724 / 7,289

19  | 698 / 5,782

20  | 648 / 7,897

Sales Analysis

- **Leading Manufacturer:** YC Electric Vehicle is the leading manufacturer with the highest total sales in 2023, amounting to 40,607 units.
- **Top Competitors:** Mahindra & Mahindra Limited and Saera Electric Auto Pvt Ltd follow as strong competitors with total sales of 37,941 and 29,306 units respectively.
- **Sales Trend for Market Leader:** YC Electric Vehicle's monthly sales show a consistent upward trend throughout the year, indicating strong market demand and effective sales strategies.
- **Mahindra & Mahindra's Performance:** Despite a strong start in the first half of the year, Mahindra & Mahindra Limited experienced a significant drop in sales in the last quarter, especially in November and December.
- **Consistency in Sales:** Saera Electric Auto Pvt Ltd demonstrated consistent sales throughout the year with minor fluctuations, showcasing stability in their market presence.
- **Peak Sales Period:** For most manufacturers, July and August seem to be peak sales months, possibly due to specific market strategies or seasonal factors.
- **End of Year Sales Drop:** A common trend observed is a drop in sales in December, which might be due to year-end market dynamics.
- **Market Share Concentration:** The top 5 manufacturers (YC Electric Vehicle, Mahindra & Mahindra Limited, Saera Electric Auto Pvt Ltd, Dilli Electric Auto Pvt Ltd, and Piaggio Vehicles Pvt Ltd) collectively hold a significant portion of the market share.
- **Growth Trajectory:** YC Electric Vehicle, Mahindra & Mahindra, and Saera Electric Auto have shown a strong growth trajectory over the year, indicating a growing market for electric 3-wheelers.
- **Comparative Analysis:** When comparing month-on-month sales, most manufacturers show a varied performance with no clear pattern, suggesting the influence of external factors such as market demand, economic conditions, or promotional activities.

- **Stability in Lower Ranks:** Manufacturers lower in the ranking tend to show more stability in their sales figures, albeit with lower total sales, indicating a niche but steady market.
- **Year-end Analysis:** The year-end slowdown in sales for many manufacturers could be due to consumer spending patterns, economic factors, or inventory adjustments.
- **Market Dynamics:** The varying sales patterns among the top manufacturers suggest a highly competitive market with dynamic consumer preferences.
- **Seasonal Influences:** The sales data indicates potential seasonal influences on the electric 3-wheeler market, with spikes and drops possibly correlating with various external factors like festivals, agricultural seasons, or economic policies.
- **Future Projections:** Given the overall growth of the electric vehicle sector in India, these trends suggest a positive outlook for 2024, with potential for new entrants and increased competition in the market.



How was 2023 for Indian Companies?



Nishchal Chaudhary

How was 2023 for your business and what milestones has your business achieved this year?

The company sold its first scooter in July 2019 and has since built a network of over 400 dealerships in more than 21 states across India.

Today, in 2023, just four years after its inception, Batt:RE has achieved sales of over 50,000 units. The thrust and intent of the startup all along have been on contributing to a sustainable urban transport ecosystem. To this end, the company's electric scooters have so far achieved a net monthly reduction of 6.4 lakh kgs of CO2 emissions resulting in a saving of Rs 4.8 crore in monthly fuel costs alone. Batt:RE is a proud 'Make in India' organization which is tech-rich and intensely innovative. To date, it has received 20 patents for its Electric Scooter and the upcoming motorcycle.

How do you see the next 3-4 years of your business? Are you planning to venture into new segments in the industry

The year just past, 2022-23, was a breakout year for both of us as a company committed to innovation and consumer delight and for India's EV market, especially the two-wheeler segment, which roared past expectations. For the period 2024 to 2028, the Indian electric vehicle (EV) market is poised for substantial growth, propelled by several key factors: Firstly, favorable policies enacted by the government, such as FAME II, PLI schemes, and reduced GST rates, are expected to provide a significant boost to the adoption of EVs. Secondly, a surge in demand is anticipated due to factors like escalating fuel prices, heightened environmental awareness, and increased affordability of EVs for both consumers and businesses. Thirdly, ongoing technological advancements, particularly in battery technology, charging infrastructure, and overall vehicle performance, are set to enhance the attractiveness of EVs. Moreover, a substantial influx of investment from global investors and Indian companies into the EV ecosystem is accelerating the development and production of electric vehicles.

Market projections by experts indicate a remarkable 68 percent CAGR in EV sales, reaching 9.1 million units by 2027 and potentially surpassing 17 million units by 2030. However, despite this positive outlook, challenges persist, including infrastructure gaps, battery costs, and the need for increased consumer awareness.

Our organization is steadfastly committed to the core principles upon which Batt:RE was conceptualized and incubated, emphasizing sustainable performance. The technologies developed by Batt:RE not only contribute to environmental conservation but also enhance the overall riding experience. The startup is reshaping the commuting landscape by facilitating a seamless integration of technology and mobility solutions. This results in the provision of affordable, aspirational, futuristically minimal, and confidently connected urban scooters.

Would you like to highlight some areas where the government can improve that can help the Indian EV market?

In supporting the Indian electric vehicle (EV) market, the government has demonstrated commendable efforts. To further bolster this positive trajectory, an emphasis on a steadfast, enduring policy framework encompassing manufacturing, research and development (R&D), and charging infrastructure is recommended. It is noteworthy that the government has the potential to enhance its ongoing successes by fostering collaborative efforts among stakeholders and investing in skill development initiatives. Additionally, a good step forward could involve giving due importance to environmental sustainability. Encouraging recycling practices and responsible disposal through incentives would contribute significantly. In the realm of consumer engagement, the government has an opportunity to drive adoption by implementing awareness campaigns and additional incentives.

Incorporating policy flexibility will work wonders to maintain the upward momentum. Regular reviews, guided by industry feedback and global trends, would ensure a responsive and adaptive environment for the EV sector.

We would like you to highlight the individuals/teams of your organization that you felt gave more than 100% this year to the organization including any extraordinary act performed by any of your employees.

At Batt:RE, we are incredibly fortunate to have a dedicated and talented team. We believe that every member of our organization contributes their best efforts, making it challenging to single out specific individuals or teams. Our success is truly a collective effort. We value the hard work and commitment demonstrated by each team member, and we strive to foster an environment where everyone feels recognized for their contributions.



Manideep Katepalli

How was 2023 for your business and what milestones has your business achieved this year?

In 2023, our business celebrated a pivotal milestone, marking 12 months of full-scale operations since our inception 1.5 years ago. This year has been incredibly rewarding, propelling us ahead as a leader in our segment outpacing many competitors. Key partnerships with industry giants like Ola and Bounce Infinity underscore our commitment to strategic collaborations and market dominance.

These alliances bolster our market position, expand our reach, and enhance credibility, emphasizing our dedication to amplifying our network and service offerings. Our commitment to excellence, customer satisfaction, and industry leadership sets a robust foundation for sustained growth. Looking forward, we're optimistic about continued success and expansion in the coming years.

How do you see the next 3-4 years of your business? Are you planning to venture into new segments in the industry

Over the next 3-4 years, we foresee dynamic growth, aligning with our industry's rapid expansion, which doubles every 3-4 months. Diversifying our portfolio, we aim to enter new segments, including EV financing, leasing, B2B sales, and international markets through export sales. A milestone on our trajectory is the anticipated SME IPO in 2024, poised to fuel expansion and capitalize on market trends. Embracing innovation and adaptability, we aim to establish ourselves as a versatile and resilient player in the evolving business landscape.

Would you like to highlight some areas where the government can improve that can help the Indian EV market?

Government intervention plays a crucial role in bolstering the Indian EV market. Firstly, a nationwide uniform policy for life tax subsidies on electric vehicles (EVs) is essential. While some states have embraced this initiative, a consistent zero-life tax across the country would simplify regulations and encourage consumers to embrace cleaner mobility options.

Additionally, expediting the process of obtaining permits and licenses for charging infrastructure installation is vital to accelerate the growth of EV charging networks. A supportive regulatory framework and financial incentives for research and development within the EV sector are crucial. These measures would drive innovation, attract investments, and create an environment conducive to widespread EV adoption, contributing significantly to a sustainable and eco-friendly transportation ecosystem.



We would like you to highlight the individuals/teams of your organization that you felt gave more than 100% this year to the organization including any extraordinary act performed by any of your employees.

This past year has been truly exceptional for our organization, characterized by unwavering dedication and a remarkable team effort. Every individual within our organization contributed tirelessly, surpassing expectations without singling out specific names or teams. It's remarkable to note the extraordinary dedication, innovation, and resilience exhibited by our employees throughout the year. From meeting stringent deadlines to introducing ground-breaking solutions and seamlessly adapting to unforeseen challenges, each member played an indispensable role in our collective success.

Upon reflection, our organization's true strength lies in the unity and collaborative spirit of our team. This cohesive ethos will undoubtedly steer our progress as we aim to reach even greater heights in the upcoming years. The shared commitment of every individual across our organization forms the cornerstone of our success, laying a robust foundation for future accomplishment.



Varun Goenka

How was 2023 for your business and what milestones has your business achieved this year?

In retrospect, 2023 proved to be a significant year for Chargeup, marked by the accomplishment of various major milestones. The growth of our community was particularly noteworthy, escalating from a modest 100 drivers in 2020 to an impressive count of over 4000 towards the end of 2023. Additionally, our expansive network of swapping stations, dealers, and distribution centers experienced substantial growth, reaching a total of 330, facilitating the induction of 7000 batteries.

Notably, our efforts translated into the successful charging of a cumulative 80 million green kilometers throughout the year, leading to the remarkable saving of over 6.8 million tonnes of carbon emissions. One of our proudest achievements was the establishment of India's first completely renewable solar battery swapping station in Jaipur.

On an organizational level, we celebrated surpassing the milestone of 100 employees, underscoring our unwavering commitment to growth. Beyond these accomplishments, 2023 ushered in a new era for Chargeup, enabling us to incorporate valuable feedback and evolve our business offerings. This evolution empowered our distribution network to serve not only as a means of distribution but also as a point of sale for our community of drivers. Collaborating with major non-banking financial companies (NBFCs), we successfully facilitated lower interest rates for battery and e-rickshaw purchases, enhancing accessibility for our driver community.

Our strategic partnerships resulted in a 30% decrease in down payment requirements, and extended loan tenures, solidifying our commitment to a driver-centric approach. By refining our financing solutions, we seamlessly transitioned into an end-to-end solution for electric 3-wheelers (E3W), providing a comprehensive service from the initial purchase of batteries or rickshaws to end-of-life battery disposal and recycling. In essence, Chargeup has become a one-stop shop for all E3W needs.

How do you see the next 3-4 years of your business? Are you planning to venture into new segments in the industry?

Looking ahead to the next 3-4 years, we envision significant growth and expansion for our business within the dynamic sunrise industry. Our strategic plans include expanding into new geographies, with the current momentum propelling us to add 20 more cities to our network by the end of 2025. This geographical expansion aligns with our commitment to meeting the escalating demand for electric 3-wheelers (E3W).

In tandem, we are dedicated to enlarging our distributor and dealer network to effectively support the surging demand for E3W. We anticipate that a certain level of standardization and government support will play pivotal roles in fostering the smooth growth of our company and the industry at large. This, in turn, positions us to achieve our goal of incorporating 1 million drivers into our network.

Our commitment to a Fi-Ne-Tech approach remains unwavering, and we plan to continually innovate in this domain to enhance the overall network experience and effect for our drivers. Our primary objective is to elevate the earnings of our community of drivers through our end-to-end solution and streamlined financing options. Over the next 3-4 years, we anticipate these micro-entrepreneurs evolving into champions who not only drive more demand to us but also garner attention and become sustainable champions for the industry.

The imminent full rollout of our tech-enabled platform represents a key milestone, promising to simplify the lives of our dealer and distributor network while creating an even more seamless experience for drivers and the ecosystem overall. We are committed to the development of tailored technology, incorporating valuable driver feedback to continuously refine and improve the ecosystem for drivers.

As we optimize our financing for batteries and rickshaws, leveraging data collected from our IoT-enabled battery management system and our AI/ML-based predictive algorithm, our next goal is to replicate the success in providing insurance tools to our community of drivers. Additionally, a focal point of our efforts is on enhancing the Karma score of drivers, akin to a credit score, to bolster their credit-worthiness. In essence, our strategic roadmap for the next 3-4 years is deeply rooted in growth, innovation, and a steadfast commitment to improving the overall experience for our drivers and stakeholders.

Would you like to highlight some areas where the government can improve that can help the Indian EV market.

Formalizing Battery Swapping Policy: The Draft Battery Swapping Policy is currently under public review and is expected to become the defining legislation for service providers in this domain in India in the years ahead. Formalizing this policy will bring clarity and regulation to the sector.

Boosting EVs as a Priority Lending Sector: Prioritizing EVs as a lending sector will further ease adoption, encouraging financial institutions to support individuals and businesses investing in electric transportation.

Standardization of Regulations: Implementing standardized regulations will boost both ease of operations and EV adoption, creating a more predictable and supportive environment for businesses and consumers alike, however, this must be done carefully to not curtail innovation.

Research and Development Grants: Continued support for research and development, especially in Lithium-Ion battery production, is crucial. Reducing dependency on imports of these metals will optimize resource allocation and enhance the industry's ability to absorb supply shocks.

Skill Camps: As the EV sector grows, there will be an increasing need for new technical expertise. Establishing skill camps and training programs will ensure a skilled workforce ready to meet the demands of this evolving industry.

Charging Infrastructure Development: Significant efforts should be directed toward the development of charging infrastructure. A well-established charging network is vital for the widespread adoption of EVs and to ease range anxiety.

Enhancing Industry with Schemes: Introducing more schemes like FAME II (Faster Adoption and Manufacturing of Hybrid and Electric Vehicles) and production-linked incentives (PLI) will further stimulate the growth of the EV industry, making India a global hub for electric mobility.

Promoting Smart Technology: Encouraging the use of smart technology in battery management systems and EV manufacturing will foster innovation, ensuring that India remains at the forefront of technological advancements in the electric vehicle sector.

Policies for End-of-Life Systems: Implementing policies to support end-of-life systems for the e-mobility sector will address environmental concerns and promote sustainable practices in the disposal and recycling of EVs.



Tushar Choudhary

How was 2023 for your business and what milestones has your business achieved this year?

The year 2023 has been fairly good and exciting for the company. Not only have we generated growth over the previous year with encouraging sales numbers from newer markets and robust sales trends in the existing markets, but we have entered into new alliances with multiple International partners.

We have added to the production capacity in our factory to cater to the demand of the existing product range and build capacity for the upcoming Electric scooter and another basket of innovative products slated for launch in mid-FY25. We have added to our manpower strength as well all across the country in different functions. Not only this, we have started working closely with EESL, a GOI department, to promote electric mobility. From a channel perspective, we have seen very strong demand from the e-commerce channel. We have also added several B2B Fleet operators to our customer list. We hope to continue with the strong momentum next year.

How do you see the next 3-4 years of your business? Are you planning to venture into new segments in the industry?

The next few years will be quite promising for the EV industry. GOI has already mandated to convert 70% of the 2w fleet into electric. We are now fully geared up for the launch of our high-speed electric scooter in Jan 2024. With an unmatched range and features, we believe it will change the way, India moves. To add to that, we have entered into ownership stake and JV partnerships with some of the world's most advanced electric mobility companies. Our vision is to bring those technologically advanced products to the Indian market manufacture those products in India and export them globally. In short, we are following the paradigm of "Make local, Go Global".

We are in the advanced stage of starting a "Battery as a service" business with a unique battery-swapping tech platform that India has not seen before. Our hands are going to be full for the next 3-4 years.

Would you like to highlight some areas where the government can improve that can help the Indian EV market

We are working very closely with CESL, a part of EESL, a body under the Ministry of Power, GOI to promote electric mobility in India. We are collaborating with them in organizing and participating in various roadshows and exhibitions to promote the electric cycle as a safe and primary choice for the people of India.

However, the current market size of the electric cycle is very small in India unlike in the Western markets. That is the reason we have been lobbying with GOI to include e-cycles under the FAME subsidy. We have also requested them to work out a modality with the banks to offer easy finance to the customers that will make the product much more affordable.

EV Rockstar

Varun Goekna
Chief Driving Officer
Charge-up



What inspired you to venture into the EV Charging sector?

Chargeup started with a simple question: when we buy a petrol vehicle, do we buy fuel for three years? Interestingly, the EV industry has always been in a chicken-and-egg situation, deciding between the vehicle or infrastructure first. However, there were already 1.7 million E-Rickshaws in India at that time, addressing one part of the problem. Hence, Chargeup was formed to decouple vehicle and battery ownership, making it easy to switch and maintain an EV.

What were some early-stage challenges that you faced while conceptualizing Chargeup?

There was no precedence for a Battery as a Service (BaaS) business. We had to work from the ground up on the right battery tech, pricing model for drivers while underwriting them, and the right tech to securitize the asset. It was a capital-intensive business, but to break that pattern, we constructed an asset-light model and a franchise model for faster expansion of our network.

The majority of EV two-wheeler adoption is from the B2B segment and EV adoption as a personal vehicle is still at a very low stage, how do you see it, and when can we start seeing EV adoption as a personal vehicle on a large scale?

Commercial mobility has been the primary adopter of EVs, leading the transition. Today, two-wheelers dominate personal mobility, especially from OLA, Ather, and TVS. The future surge in EVs will be triggered by 2 key factors other than technological advancement and vast infra:

- Decoupling of Vehicle and Battery ownership, hence reducing the Cost of ownership
- Including EVs in Priority Sector Lending

India has still not been able to draft a proper battery-swapping policy, what could be the possible reasons for the same?

The EV sector is witnessing unprecedented growth despite subsidy reductions. Last year, the government introduced AIS-156 standards. A Battery Swapping Policy needs to address standardization and interoperability. It is too early to define a framework that the industry can comply with.

For someone who is currently in college and looking at the EV industry as a potential career option, what suggestions would you like to give?

The EV sector today offers opportunities from product building to financial engineering, data science to asset management. Therefore, one should choose their vertical based on their interest or join a startup building an ecosystem that provides a 360-degree view of the sector. 6. What is your definition of success? Success is subjective and can mean differently for each individual. For me, success is creating a million Chargeuprenuers





How EV Doctor is Revolutionising the EV Businesses?

In the face of wavering FAME subsidies, transformative technology is already reshaping the landscape of India's Electric Vehicle (EV) industry. EV Doctor, is the latest innovation from Battery-Ok Technologies (formerly E-Vega), a solution poised to overcome critical challenges in EV production, service, and maintenance.

The electric vehicle is at the heart of India's transportation metamorphosis, with EV Doctor leading the charge in this revolutionary journey. With a steadfast mission to accelerate the adoption of electric mobility, the company has unleashed a groundbreaking technology that addresses pressing battery concerns and reshapes the entire EV panorama in India.

India's Electric Vehicle (EV) market is not merely growing; it is undergoing a rapid evolution, marking a profound shift towards sustainable transportation. Fueled by government subsidy initiatives, an upsurge in environmental awareness, and ongoing technological advancements, the EV market has gained formidable traction. The nation's commitment to reducing carbon emissions and breaking free from traditional fuel sources has resulted in a surge in electric two-wheelers and three-wheelers, especially in urban areas. As India relentlessly prioritizes green mobility, the EV market stands on the precipice of continued evolution and a promising future.

Last year, several videos depicting smoke hazards from electric vehicles went viral on the internet, causing concern among potential buyers. The behavior of electric vehicles in Indian conditions is a topic of keen discussion, given the increasing number of incidents. In response to the growing concerns and incidents, many original equipment manufacturers (OEMs) are actively seeking solutions to prevent such hazards.



The Ministry took action by reaching out to the Defence Research and Development Organisation's (DRDO) Centre for Fire Explosive and Environment Safety (CFEES) to conduct thorough investigations into these hazards. Most of these incidents stem from improper battery functioning, with a high risk of thermal runaway leading to fires.

Unlike their internal combustion engine (ICE) counterparts, electric vehicles are composed more of electronics than mechanical parts. This requires specific attention during operation, service, and maintenance. Challenges such as unskilled EV manpower, inadequate service networks, and uneven dealer coverage contribute to various problems and hazards in the electric vehicle sector.

Battery-Ok Technologies has birthed a state-of-the-art solution that instills confidence in the reliability of batteries and electric vehicles, thereby fostering trust among users.

Founded by EV enthusiasts **Shubham Mishra (Ex-Gensol)**, **Ajay Vashisht (Ex-DRDO)** aims to make EVs accessible everywhere. They started with building lithium battery packs, where they saw that everybody was using imported low quality chinese testers to check the EV batteries. They realised this problem and started working on it. After three years of unwavering dedication to research and development on lithium batteries, they developed this rapid and efficient system for EV diagnostics.

EV Doctor is an AI-based battery diagnostic system that assumes a pivotal role in ensuring efficient battery quality control and after-sales service for EV businesses. This ingenious technology addresses challenges in the production of EVs and batteries and provides a swift system for battery servicing.

Equipped with an IoT hardware device to be seamlessly connected between the battery and charger, the EV Doctor can test any EV battery within 15 minutes, offering all crucial parameters through a mobile phone app. This indigenous innovation has been crafted to solve the unique challenges faced by EV businesses, distinguishing itself from alternative imported battery testing machines that consume extensive time and fail to provide essential insights into the lithium batteries utilized in electric vehicles (EVs).

The EV Doctor, a machine-learning-based device, has been meticulously designed to provide advanced EV analytics, warranty tracking, resale support, and risk mitigation for electric vehicle manufacturers and dealers. Leveraging physics-based state-space models and statistical approaches, it optimally diagnoses batteries and chargers, thereby facilitating appropriate servicing, efficient troubleshooting, and reliable lifecycle management.

Celebrated by thousands of EV businesses nationwide, EV Doctor has emerged as a key catalyst in the ascent of Electric Vehicles in India, leaving an indelible mark on the battery industry. This tool aspires to be an invaluable resource for EV OEMs, dealers, distributors, fleet operators, service centers, and financiers, ensuring a seamless transition to electric vehicles.

In the face of mounting EV hazards, inadequate maintenance, and disrupted supply chains, EV Doctor remains steadfast in its mission to enable a smoother EV transition. With its rapid testing capabilities, this unique tool empowers distributors and users to maintain their electric vehicles effectively.



Accolades for this groundbreaking technology have poured in from eminent personalities such as Shri. Nitin Gadkari (Minister of Road Transport and Highways of India), Shri S. Jaishankar (Minister of External Affairs of India), Shri Ashwini Vaishnav (Minister for Railways, Communications, Electronics & Information Technology), and many other respected figures.

The introduction of EV Doctor by Battery-Ok Technologies marks a significant stride towards enhancing the reliability and safety of electric vehicles. As the EV market continues its robust growth, transformative tools like EV Doctor are poised to play a pivotal role in ensuring the seamless production and maintenance of these electric vehicles, steering India towards a greener, cleaner, and more sustainable future.



Shubham Mishra
Founder & Chief Experimenting Officer
BatteryOK Technologies

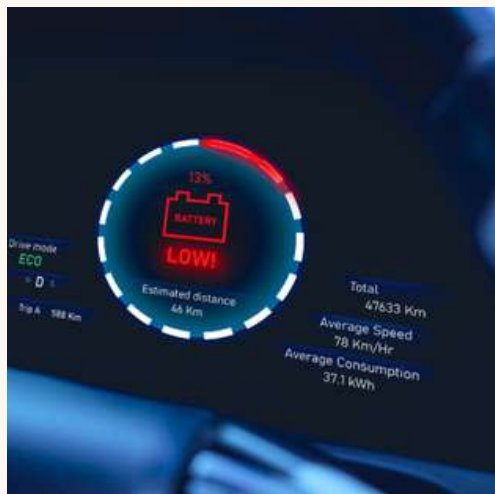
Milestones

1) Hindalco Plans 800 Crore Investment in Odisha for Battery Foil Manufacturing Facility Targeting EV Market



Hindalco Industries, the world's largest aluminum rolling and recycling company, is set to expand its manufacturing capabilities significantly to meet the soaring demand for high-quality aluminum foil, crucial in rechargeable batteries for electric vehicles (EVs) and energy storage systems. In a move to cater to this burgeoning market, the company has announced an investment of Rs. 800 crore to erect a new facility near Sambalpur in Odisha. Initially, this plant is slated to produce 25,000 tonnes of the resilient aluminum product, pivotal in the construction of Lithium-ion and Sodium-ion cells.

India Becomes Member of Groundbreaking Consortium to Accelerate Adoption of Battery Energy Storage Systems



During the 2023 United Nations Climate Change Conference (COP28), India made a significant stride by joining the Battery Energy Storage Systems (BESS) Consortium.

This initiative, led by The Global Leadership Council (GLC) within the Global Energy Alliance for People and Planet (GEAPP), aims to foster collaboration among nations to secure 5 gigawatts (GW) of BESS commitments by the conclusion of 2024.

Pepper Motion And Partners To Establish \$600 Million EV Production Facility In Andhra Pradesh



In a groundbreaking collaboration with the state government of Andhra Pradesh, Pepper Motion GmbH and its industrial partners are set to revolutionize the electric vehicle (EV) landscape with a fully integrated vertical production facility.

The project, with an investment exceeding \$600 million, plans to commence operations by early 2025, producing over 50,000 electric buses and trucks annually from 2027.

Delhi's EV Charging Points And Battery-Swapping Facilities Surge, Nearing 5,000 Mark

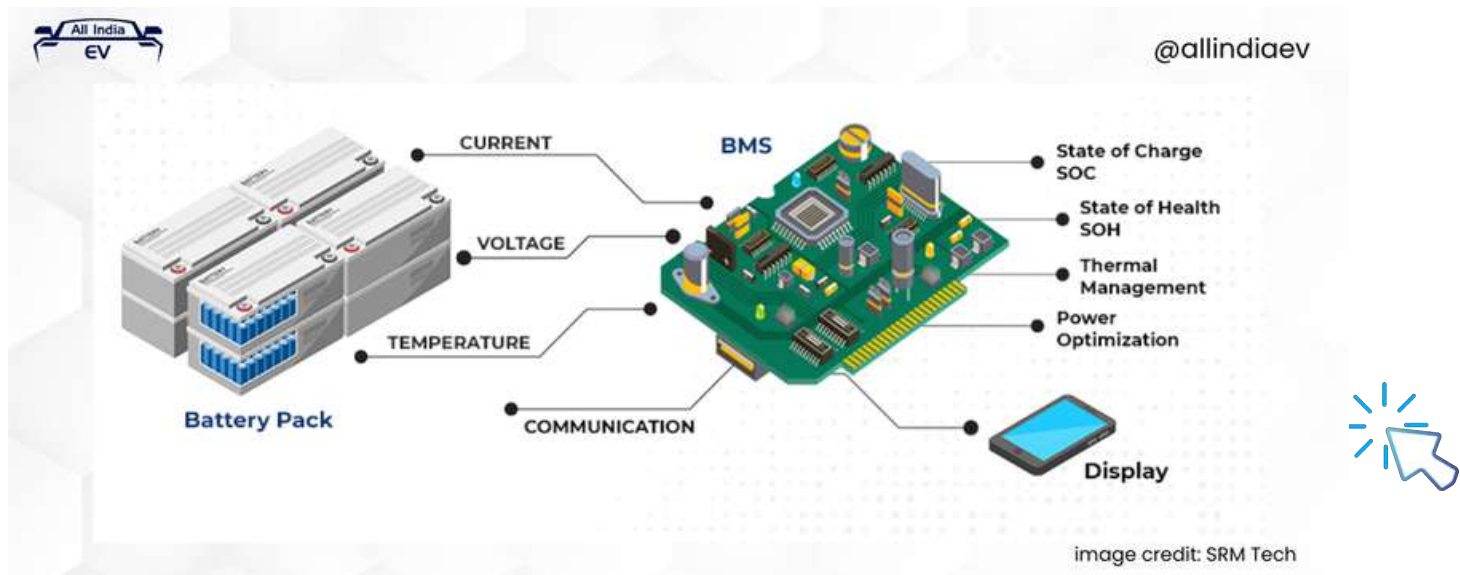


The expansion of the EV charging infrastructure in Delhi is accelerating, with power distribution companies establishing over 4,500 charging points and battery-swapping facilities across the city, and hundreds more set to be installed by the end of the current fiscal year, according to officials.

The number of charging points and battery-swapping facilities is expected to surpass 5,000 in the next few months. BSES discoms, BYPL and BRPL, have installed over 3,100 charging points and battery-swapping stations at more than 1,200 locations across different parts of Delhi.

EV Engineering

Understanding the Battery Management System: Key to EV Industry

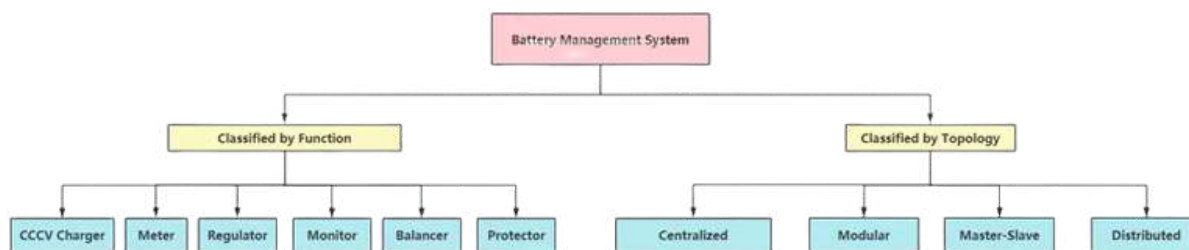


A BMS is an electronic system that oversees and controls the charging and discharging of rechargeable batteries. The primary objective of a BMS is to ensure the battery operates within its safe operating area, which involves monitoring parameters such as voltage, current, temperature, and state of charge (SOC). This monitoring is crucial in preventing conditions like overcharging, deep discharging, and overheating, which can adversely affect battery life and performance.

Key Components and Functions

The technical architecture of a BMS includes several key components:

- ➔ **Sensors:** These monitor vital parameters like voltage, current, and temperature at the cell level.
- ➔ **Control Unit:** The brain of the BMS, processes data from sensors to make real-time decisions.
- ➔ **Balancing Mechanisms:** These ensure all cells in a battery pack charge and discharge at an equal rate, maximizing efficiency and lifespan.
- ➔ **Communication Interface:** Allows the BMS to communicate with external systems, providing crucial data for operational management.



The evolution of BMS into various configurations such as Master-Slave, Centralized, and Cloud-Based systems reflects the diverse and growing needs of battery applications. Each configuration offers unique advantages, catering to specific requirements from large-scale industrial batteries to distributed energy storage systems and electric vehicles. This adaptability underscores the importance of BMS in the efficient utilization of battery energy storage.

Moreover, the architecture of a BMS, encompassing both its hardware and software components, forms the backbone of its operation. The synergy between the physical monitoring and control mechanisms provided by the hardware, and the intelligence, adaptability, and user interaction capabilities offered by the software, is what makes modern BMSs so effective and reliable.

To Read More: Visit www.allindiaev.com

New Product Launch



YO Bykes Launches High-Speed Electric Scooter 'YO TRUST-Drift Hx' In Ahmedabad

YO Bykes has revealed its groundbreaking high-speed electric scooter, the YO TRUST-Drift Hx model, in Ahmedabad. This recent addition to their lineup underscores the company's commitment to revolutionizing the electric two-wheeler sector and addressing environmental issues related to reducing the country's carbon footprint.

Speedways Electric Unveils Game-Changing Emigo UT4

Speedways Electric introduces the Emigo UT4, a groundbreaking Low-Speed Electric Vehicle (LSEV) that sets a new standard in performance, design, and sustainability. This cutting-edge EV promises an unmatched driving experience and reflects Speedways Electric's commitment to originality and delivering unique products to the market, further reinforced by securing a patent for its design.



Simple Energy Introduces 'Dot One' Electric Scooter In India

Bengaluru-based electric vehicle manufacturer, Simple Energy, has introduced an economical version of its initial electric scooter, the One, known as the 'Dot One.'

Priced at Rs 1 lakh, the Dot One retains the features and design of the One but comes with mechanical modifications, including a fixed battery.

RACE Energy Launches Innovative 'e-Wheel' Battery Swapping

RACE Energy initiates its global expansion with a strategic pilot launch in Colombo, Sri Lanka, in collaboration with Lanka E-Mobility Solutions (Private) Limited (LeMS).

The focus is on revolutionizing Sri Lanka's electric mobility sector through the innovative 'e-wheel' battery swapping initiative. The aim is to scale up to 500 vehicles within the next 3-6 months, providing a 'pay-as-you-go' solution for 1.2 million iconic 'Tuk' drivers.



Ola Electric Commences Nationwide Deliveries Of S1 X+

Ola Electric, the largest electric vehicle (EV) company in India, has commenced the nationwide delivery of its new S1 X+ model. The S1 X+ is currently offered at the price equivalent to leading internal combustion engine (ICE) scooters, thanks to a flat cash discount of INR 20,000, making it available at INR 89,999 for a limited time.

Gogoro Introduces Battery Swapping System in India Alongside Debut of Locally Manufactured CrossOver Smartscooter

Gogoro Inc. (Nasdaq: GGR), a leading global technology company specializing in battery-swapping ecosystems for sustainable urban mobility, has announced the immediate availability of its battery swapping ecosystem and Smartscooters in India. Alongside this launch, Gogoro unveiled its first India-manufactured Smartscooter, the CrossOver GX250.



Kinetic Green Launches 'Zulu' Electric Scooter In India

Kinetic Green has introduced the Zulu electric scooter in the Indian market. The e-scooter is powered by a 2.27 kWh battery, providing a claimed range of 104 km per charge. It features a 2.1 kW BLDC hub motor, reaching a top speed of 60 kmph. The scooter includes various amenities such as an apron-mounted headlamp, LED DRLs, a digital speedometer, an auto-cut charger, a side stand sensor, and a boot light.



ElectricPe Launches Mobility Centers For Simplified EV Ownership

ElectricPe, a prominent player in the electric vehicle (EV) solutions sector, has introduced both virtual and physical mobility centers to streamline the experience of owning an EV. These centers, located in Bengaluru with plans for expansion in 2024, offer customers the opportunity to explore and test drive electric two-wheelers (E2Ws) from various OEM brands through both in-store visits and the ElectricPe App.





Creatara Launches E-Bike Redefining Urban Commuting With Safety And Customization

Creatara, an innovative electric vehicle (EV) in the urban mobility space, conceived by Vikas Gupta and Ringlarei Pamei, graduates of IIT Delhi, celebrated its official launch at the IIT Delhi Research & Innovation Park. This e-bike aims to revolutionize urban commuting, offering a unique blend of safety, customization, and state-of-the-art technology.

Ford and Resideo Launch 'EV-Home Power Partnership' Project Driving Vehicle-to-Home Energy Management Benefits for Customers

Ford and Resideo Technologies, Inc. announced a joint simulation project to explore vehicle-to-home (V2H) energy management called the "EV-Home Power Partnership," designed to explore the potential of electric vehicle batteries to support optimal home energy management.



inGO Electric Unveils inGO Flee 2.0 Electric Vehicle In India

Kinetic Green has introduced the Zulu electric scooter in the Indian market. The e-scooter is powered by a 2.27 kWh battery, providing a claimed range of 104 km per charge. It features a 2.1 kW BLDC hub motor, reaching a top speed of 60 kmph. The scooter includes various amenities such as an apron-mounted headlamp, LED DRLs, a digital speedometer, an auto-cut charger, a side stand sensor, and a boot light.

Kia Introduces K-Charge Initiative Featuring 1000+ Charging Stations In India

Kia India, one of the country's leading premium carmakers, unveiled K-Charge — an innovative initiative in the 'MyKia' app that allows users to discover over 1000 EV charging stations nationwide. In one of the industry-first moves, Kia is extending access to this charging network to non-Kia customers, providing valuable assistance to Indian EV users in overcoming Range Anxiety.



What's happening Globally?



Garrett Motion's high-speed electrical motors speed over 200,000 RPM

Garrett Motion, renowned for its trailblazing role in the automotive industry, has leveraged its expansive knowledge in turbocharger systems to design and produce high-speed electric motors that operate at speeds exceeding industry norms by tenfold.

These groundbreaking motors, designed in-house and drawing on Garrett's mechanical expertise, deliver enhanced efficiency and vehicle performance while reinforcing the company's commitment to low-emission solutions for traditional powertrains and zero-emission solutions for battery electric vehicles.

Garrett is a world leader in turbochargers – in bearings, rotor dynamics, and thermal management – that also supports the design and production of high-speed electrical motors capable of rotational speeds over 200,000 RPM.



Bosch reveals new integrated 6 kW electric motor

Bosch is among the leading automotive suppliers showcasing their latest products and innovations at EICMA 2023 in Milan.

By 2026, Bosch aims to generate group-wide electromobility sales of 6 billion euros – a trend that is also gaining momentum in the Two-Wheeler & Powersports business unit. “Especially in Asian countries, where the two-wheeler is often the backbone of mobility, electrification can help bring about huge improvements in local air quality and quality of life,” said Geoff Liersch, head of Two-Wheeler & Powersports at Bosch.

Who Got Funded?

- **Finayo Secures Rs 160 Million Funding To Boost Electric Vehicle Financing Endeavors**

Finayo, a Gurugram-based company specializing in financing and asset management for electric vehicles (EVs), has successfully secured Rs 160 million in funding. The investment comes from F Mec International Financial Services, Choice Finserv (CFPL), and other angel investors and high-net-worth individuals.

- **Revfin Clinches 14 Million Series B Funding Round Headed by Omidyar Network**

Revfin, a prominent digital lending platform, has concluded its Series B funding round, securing an impressive \$14 million (115 crore). The leading investment was spearheaded by Omidyar Network, contributing \$5 million to the round. Notable participation also came from the Asian Development Bank, Companion Capital Limited, alongside existing investors Green Frontiers Capital and LC Nueva.

- **SIDBI Empowers ETO Motors With INR 12.45 Crore For Electric Three-Wheeler Deployment And Charging Infrastructure In Hyderabad And Delhi**

The Small Industries Development Bank of India (SIDBI) has approved a fund of Rs 12.45 crore for ETO Motors to deploy 300 electric three-wheelers in Hyderabad and Delhi, enhancing first- and last-mile passenger connectivity.

- **BluSmart Raises \$24 Million Funding; To Expand EV Charging Infrastructure And Ride-Hailing Service**

BluSmart has raised \$24 million (INR 200 crores) in a new equity round in December 2023, which saw participation and over-subscription from existing investors, founders and the leadership team. BluSmart is India's largest born-electric, full-stack and fully integrated EV Ride Hailing service and EV Charging Infrastructure network.

- **Fresh Bus Secures Rs 7.5 Crore In Funding; To Expand Electric Inter-City Bus Service**

Fresh Bus, an electric inter-city bus startup service has secured Rs. 7.5 crore in a recent funding round. The funding was led by investors Founder and CEO of CRED, Kunal Shah, Managing Director of TVS Motor, Sudarshan Venu, and Founder and CEO of Rivigo, Deepak Garg.

- **Hero MotoCorp Raises Stake To 39.7% In Ather Energy With Rs 140 Crore Investment**

Hero MotoCorp has increased its stake in Ather Energy, an electric vehicle manufacturer, by an additional 3%, investing nearly Rs 140 crore. This move brings Hero MotoCorp's total stake in Ather Energy to 39.7%.

- **Gogoro To Advance \$2.5 Billion Battery-Swapping Project In Maharashtra; Belrise Steps Back**

Taiwan-based battery systems provider Gogoro is proceeding with the \$2.5 billion Memorandum of Understanding (MoU) with the Maharashtra government to establish battery-swapping infrastructure in the state but without collaboration with Pune-based Belrise Industries.

- **Macquarie Capital Powers Up ChargeZone With Investment For Accelerated EV Charging Network Growth In India**

Macquarie Capital, the corporate advisory, capital markets, and principal investment arm of Macquarie Group, has announced a significant investment in ChargeZone, a prominent Indian electric vehicle (EV) charging company. This strategic move aims to propel ChargeZone's business strategy and enhance its cloud technology-enabled EV charging network.

- **BluSmart Raises \$24 Million Funding; To Expand EV Charging Infrastructure And Ride-Hailing Service**

BluSmart has raised \$24 million (INR 200 crores) in a new equity round in December 2023, which saw participation and over-subscription from existing investors, founders and the leadership team. BluSmart is India's largest born-electric, full-stack and fully integrated EV Ride Hailing service and EV Charging Infrastructure network.

- **EKA Mobility secure Investment from Mitsui (Japan) & VDL Group (Netherlands) for EV Manufacturing**

Electric vehicle maker EKA Mobility has entered into a partnership with Japan's Mitsui & Co., Ltd and VDL Groep of the Netherlands with a proposed joint investment of over USD 100 million (around Rs 850 crore) in phases. Under the cooperation, EKA Mobility will receive significant and strategic investments from Mitsui and technological support and an equity partnership from VDL Groep, a leading Dutch technology firm, the company said in a statement.

- **BatX Energies raises \$5 Million in Pre-Series A round led by Zephyr Peacock**

BatX Energies, a lithium-ion (Li-ion) battery recycling start-up, has raised \$5 million in pre-Series A funding. The round was led by Zephyr Peacock and saw participation from Lets Venture, existing investors JITO Angel Network, and family offices of Mankind Pharma, Excel Industries, BluSmart, and more.

- **Exponent Energy raises \$26.4 M in series B led by Eight Roads and TDK Ventures**

Exponent Energy, an electric vehicle focused rapid charging startup, has raised \$26.4 million in a Series B round led by Eight Roads Ventures, including a strategic investment from TDK Ventures. All existing investors like Lightspeed, YourNest VC, 3one4 Capital, AdvantEdge VC, and the family office of Pawan Munjal also participated in the round.

- **Graphite India acquires 31% stake in GODI for INR 50 Crores**

Graphite electrodes maker Graphite India is investing ₹50 crore to acquire a 31% stake in Hyderabad-based Godi India, which is engaged in advanced chemistry R&D to support manufacturing of sustainable batteries for EVs and supercapacitor-based energy storage systems.

Joint Ventures and Partnerships

- [PURE EV Signs 10 MoUs at Dubai Global Summit to Broaden Export Opportunities](#)

PURE EV made a significant impact at the esteemed Middle East Family Office Summit in Dubai, held by Alea Global Group alongside COP28. Known for convening influential family offices and business leaders, the summit offered an optimal stage for PURE EV to showcase its dedication to innovation, sustainability, and collaborative alliances.

- [EKA Mobility Partners with Mitsui and VDL Groep to Establish a Premier Global OEM in India](#)

EKA Mobility, a prominent Indian electric vehicle and technology firm, has forged a partnership with Mitsui & Co., Ltd. of Japan and VDL Groep from the Netherlands. This collaboration marks a pivotal moment for India's automotive industry, driving the nation toward becoming a global center for sustainable transportation. The alliance aims to establish cutting-edge global Original Equipment Manufacturers (OEMs) within the region.

- [MG Motor India Teams Up With Zeon For Enhanced Electric Charging Landscape](#)

MG Motor India has entered into a Memorandum of Understanding (MoU) with Zeon to enhance the existing electric vehicle (EV) charging infrastructure.

The collaboration aims to fortify the EV ecosystem in key locations, including highways, cities, and MG dealerships across states like Karnataka, Kerala, Andhra Pradesh, Telangana, Tamil Nadu, Maharashtra, and more.

- [Log9 and BluWheelz Unite to Transform Sustainable Logistics](#)

Log9 and BluWheelz have united to redefine the logistics landscape, aiming to revolutionize sustainable solutions. BluWheelz, a tech-driven logistics firm specializing in First Mile, Mid-Mile, and Last-Mile services, utilizes an electric vehicle fleet to address challenges in E-commerce, Quick Commerce, and Food Tech sectors while prioritizing environmental impact.

- [Mahindra Last Mile Mobility Limited Joins Forces with Attero for Eco-Friendly EV Battery Recycling Partnership](#)

Mahindra Last Mile Mobility Limited (MLMML), India's leading electric 3-wheeler manufacturer under Mahindra & Mahindra, has partnered with Attero, a global leader in Lithium-ion battery recycling and e-waste management. This collaboration focuses on addressing environmental concerns related to safe disposal of electric vehicle batteries.

- [Livguard Strengthens Presence In 2 & 3-Wheeler EV Market With Emuron Technologies Acquisition](#)

Livguard has completed the acquisition of Emuron Technologies, a prominent player in Battery Swapping and Battery Intelligence Solutions tailored for 2 and 3-wheeler Electric Vehicles (EVs). This strategic acquisition strengthens Livguard's presence in the developing market for 2 & 3-wheeler EVs, in line with its broader dedication to the energy transition.

- [Nexzu Mobility and Gujarat Government Join Forces to Establish India's Pioneer Smart EV Park](#)

Nexzu Mobility, a provider of sustainable urban transportation solutions, has forged an impactful partnership with the Government of Gujarat, marking a significant milestone in India's mobility evolution. Together, they're embarking on the creation of India's inaugural Smart EV Park, poised to reshape the nation's transportation landscape.

- [Wardwizard Innovations & BEEAH Group Forge Alliance to Revolutionize Electric Vehicle Production](#)

Wardwizard Innovations & Mobility Ltd. (WIML) and BEEAH Group (BG) have formalized a strategic collaboration. The Memorandum of Understanding (MOU) was signed in Dubai by Mr. Khaled Al Huraimal, Vice-Chairman and Group CEO of BEEAH Group, and Mr. Yatin Sanjay Gupte, Chairman and Managing Director of Wardwizard Innovations & Mobility Limited. This collaboration, part of Mercedes-Benz's Ambition 2039 initiative, aims to make the entire fleet of new vehicles net carbon-neutral across the entire value chain and life cycle by 2039.

- [Motovolt and Swobbee Forge Alliance, Unveil Plan for 200 Nationwide Battery Swapping Stations in 24 Months](#)

Motovolt Mobility Pvt. Ltd., a prominent e-mobility brand in India, has collaborated with German climate-tech firm Swobbee to revolutionize electric two-wheeler accessibility in the country. This strategic alliance aims to address challenges concerning EVs, with a primary focus on enhancing battery charging time, cost efficiency, and lifespan to elevate the overall user experience.

- [GreenCell Mobility Invests In Wind-Solar Hybrid Plant For EV Fleet](#)

GreenCell Mobility, a trailblazer in the electric vehicle (EV) sector, has announced a significant development through its subsidiary, GreenCell Express. The subsidiary, operating under the "NueGo" brand for inter-city electric buses, has entered into a power purchase agreement and strategically invested in a 1 MW Wind Solar Hybrid captive power plant in Ratlam, Madhya Pradesh, with an annual generation capacity of 4.6 million units.

- [RACE Energy Launches Innovative 'e-Wheel' Battery Swapping](#)

RACE Energy initiates its global expansion with a strategic pilot launch in Colombo, Sri Lanka, in collaboration with Lanka E-Mobility Solutions (Private) Limited (LeMS). The focus is on revolutionizing Sri Lanka's electric mobility sector through the innovative 'e-wheel' battery swapping initiative. The aim is to scale up to 500 vehicles within the next 3-6 months, providing a 'pay-as-you-go' solution for 1.2 million iconic 'Tuk' drivers.

- [Omega Seiki Collaborates with ReadyAssist to Launch Extensive Roadside Assistance Program for Three-Wheelers](#)

Omega Seiki, a pioneering name in the electric vehicle industry, has joined forces with ReadyAssist to introduce an unprecedented roadside assistance program for its three-wheelers. This partnership underscores Omega Seiki's unwavering commitment to ensuring a seamless and dependable experience for its customers.

- [Hero MotoCorp Partners With Ather Energy To Establish India's Largest Interoperable EV Fast-Charging Network](#)

Hero MotoCorp, the world's largest manufacturer of motorcycles and scooters, and Ather Energy, a leading Indian electric vehicle (EV) manufacturer, have partnered to establish an interoperable fast-charging network in India.

- [Adani TotalEnergies E-Mobility And Kanpur Municipal Corporation Collaborate To Boost EV Charging Infrastructure](#)

Adani TotalEnergies E-Mobility Limited (ATEL) has entered into a partnership with Kanpur Municipal Corporation (KMC) to promote e-mobility in Kanpur.

The Memorandum of Understanding between ATEL and the Municipal Corporation outlines ATEL's responsibility to establish EV charging stations at 18 key locations in Kanpur

- [Revamp Moto And Bolt.Earth Collaborate To Redefine Electric Vehicle Capabilities](#)

Revamp Moto has revealed its collaboration with Bolt.Earth to integrate an operational stack into their existing vehicles. This strategic partnership aims to redefine vehicle capabilities within the EV industry, improving vehicle efficiency and providing a more intelligent experience for their users.

- [Wardwizard Innovations and Triton EV Establish Strategic Alliance for Electric Vehicle Production](#)

Wardwizard Innovations & Mobility Ltd. (WIML), renowned for its 'Joy e-bike' brand in India, has inked a strategic Memorandum of Understanding (MOU) with Triton EV, a prominent U.S.-based electric vehicle manufacturer. This five-year partnership is geared towards reshaping the electric vehicle landscape in India and the UAE.

- [Ampere Expands Presence in Nepal by Introducing Electric Two-Wheelers in Collaboration with Kedia Organisation](#)

Greaves Electric Mobility Private Limited (GEMPL), a division of Greaves Cotton Limited specializing in electric mobility, has made a significant move into the global market by inaugurating its inaugural showroom in Nepal. This expansion, in partnership with the renowned Kedia Organisation, marks a pivotal moment in GEMPL's journey into the international electric vehicle (EV) landscape.

- [Tata Passenger Electric Mobility Partners with Top Charge Point Operators to Establish more than 10,000 Charging Stations by FY25](#)

Tata Passenger Electric Mobility Ltd. (TPEM) has inked a groundbreaking Memorandum of Understanding (MoU) with prominent charge point operators (CPOs) Chargezone, Glida, Statiq, and Zeon. This collaborative effort aims to elevate India's charging infrastructure to new heights.

- [SAIC Motor and JSW Group Unveil Strategic Partnership to Drive Growth, Emphasizing Green Mobility](#)

SAIC Motor, a global Fortune 500 entity with a vast international footprint and annual revenues nearing US \$110 billion, has partnered with JSW Group, a leading Indian conglomerate generating around US \$23 billion in revenues across diverse sectors.

Other EV Updates

- Tata Motors Introduces 100 Starbus EVs to Transform Urban Commuting in Bengaluru
- Karnataka Chief Minister Unveils Plan For 1,400 New Electric Buses In Bengaluru
- Union Minister Gadkari Foresees 1 Crore Annual EV Sales In India By 2030
- TATA Passenger Electric Mobility Launches Exclusive TATA.ev Stores in Gurugram
- India's Electric Bus Sales Expected to Double, Reaching 8 Percentage of New Bus Sales Next Fiscal Year
- Greaves Retail Launches Inaugural Master Distributor Outlet for AutoEVMart in Chennai
- Gogoro To Advance \$2.5 Billion Battery-Swapping Project In Maharashtra; Belrise Steps Back
- PURE EV Revolutionizes Automotive Industry with First-Ever EV Vehicle Exchange Program
- GoMechanic Expands Services To Electric Vehicles, Targets Over 10,000 EVs For Repairs In 2024-25
- e-Sprinto Speeds Up Expansion by Selling 8000 Electric Scooters, Aims for 10,000 Units in 2024
- Ministry Of Heavy Industries Grants Rs. 5,294 Crore Subsidy For The Sale Of 11,79,669 EVs Under FAME II Scheme As Of December 11, 2023
- Government Clarifies: No Plans For Subsidy On Import Duty For Electric Vehicles In India

- Fact.MR Reveals Electric Vehicle Battery Market Expected to Reach 347 Billion by 2033
- Delhi CM And LG Flags Off 500 New Electric Buses, Surpasses 1300 In Total Count
- Hindustan Zinc Initiates Electric Truck Deployment For Sustainable Mining
- Volkswagen India Inaugurates Two New Touchpoints in Uttar Pradesh, Continues to Build a Robust Network Presence Across the Country
- Uttarakhand's INR 1900 Crore Electric Vehicle Initiative: Erisha E Mobility Joins Forces With State Government
- Mumbai's BEST Aims For A 100% Clean Energy Bus Fleet By 2027
- Yash Purohit Joins Neuron Energy as Chief Strategy Officer, Bolstering Leadership
- Axis Bank's Rs 250 Crore Loan Accelerates Green Mobility With Vivriti Capital
- India Aims For 50,000 Electric Buses By 2027 With \$390 Million US-Backed Finance Mechanism
- Adani Total Gas Aims For 75,000 EV Charging Stations By 2030
- Ministry Of Heavy Industries Approves 7432 EV Charging Stations For Oil Marketing Companies Under FAME India Phase-II
- BYD India Set to Supply 50 e6 Electric MPVs to Shofr in Bengaluru
- Tata Power and Indian Oil Corporation Team Up to Install Over 500 Rapid and Ultra-Fast Electric Vehicle Charging Stations Nationwide in India

- Bharat Petroleum and Tata Passenger Electric Mobility Join Forces to Install 7,000 Chargers, Enhancing EV Charging Accessibility
- Bihar Approves Electric Vehicle Policy 2023 To Achieve 15% EV Share By 2028; Kia Introduces K-Charge Initiative Featuring 1000+ Charging Stations In India; And More
- Fujitsu Launches Pilot Modeling For Optimal EV Charging Infrastructure Deployment In India
- India Becomes Member of Groundbreaking Consortium to Accelerate Adoption of Battery Energy Storage Systems
- RunR Mobility Expedites Expansion Through Tailored Electric Vehicle Dealerships in India
- Omega Seiki Mobility Launches Pioneering Green-Energy-Powered COCO Service Centre in NCR

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