

Cygni Battery Swapping technology for Electric Vehicle

Battery swapping has shone a spotlight on the alternative to charging stations. The whole process is automated, and can be completed in a matter of minutes. 4G enabled, Smart Battery Pack and Lock Smart Vehicle Battery Charger Cloud Protocol (LS-VBCC) is available on Cygni batteries . The CAN bus and 4G interface of Cygni batteries makes it easier to monitor for issues and fix them before they catch fire or cause serious accidents. And controlled charging at swapping stations will extend the battery life.



Li-ION Battery For E-Rickshaws

Happy to announce that Cygni's EV-3W L5 loader batteries are ARAI approved. These batteries come with a host of safety features including breather valves and thermal pads. They include large-form factor, high cycle-life LFP cells which are laser welded to ensure most rugged connectivity under Indian conditions. This battery pack features the latest BMS technology, which allows for faster cell balancing and temperature-dependent charge/discharge performance. In addition, these battery packs are swapping enabled.

Integrated Production Facility

Cygni has inaugurated a larger integrated manufacturing facility in Hyderabad which is around 67,000 square feet. More than one hundred employees working in multiple shifts

to manufacture the battery packs for EV and Telecom applications. All state of the art equipments are getting installed and striving to make this into a world-class facility.



LASER WELDED BATTERY PACKS

The use of lithium-ion batteries is rapidly expanding in a variety of industries, including electric vehicles, energy storage, solar, telecommunications, and many more. Cygni has introduced a state-of-the-art Li-Ion battery laser welding machine to its product line. Welding material can be aluminium bus bar, copper bus bar or nickel tab. Two modes of welding are available: CW and pulse spot welding. The tensile strength of welding point is greater than the destructive strength of material. This ensures rugged connectivity under Indian conditions.



Designing batteries to strengthen EVs, extend range next step for electric vehicles

Battery design to strengthen EV's is all about trade-offs across various metrics such as safety, cost, energy density and life span. Battery technology is progressing on several fronts. On the cost front, the trend is moving away from Cobalt, due to cost and safe mining concerns.

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India Inc Evaluates FM Nirmala Sitharaman's Green Budget 2022 as Growth Oriented.

Stressing on the need for building innovative business models, Venkat Rajaraman, Founder and CEO, Cygni, commented "The announcement of a battery swapping policy and push for cleantech and electric vehicles will certainly benefit the EV segment and will promote the sales of electric vehicles and battery development in the country".

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Weather affects the range of your EV; here are the details

Electric vehicles (EVs) are powered by some of the most sophisticated battery systems available today. Improvements in battery technology have made it possible for newer EVs to be on par with internal combustion engine vehicles in terms of performance and range.

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Chandigarh admn to run electric vehicle policy past 500 stakeholders

The Chandigarh Renewal Energy and Science and Technology Promotion Society (CREST) will interact with stakeholders like EV manufacturers, charging station installers, battery manufacturers and firms undertaking recycling, before the policy is finalised. The Chandigarh administration will from March 11 hold a two-day national-level virtual interaction with over 500 stakeholders from the electric vehicle (EV) sector,

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India Looking For Mass Electric Vehicle Technology to Build in the Country: Gadkari

India is looking for an electricity-based technology for mass rapid transportation that is cost-effective and such as can be made in the country, Union minister Nitin Gadkari has said. The ministry plans to undertake the development of ropeways as an alternate transport solution in the hill and congested, urban areas.

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“Quote Of the Month”

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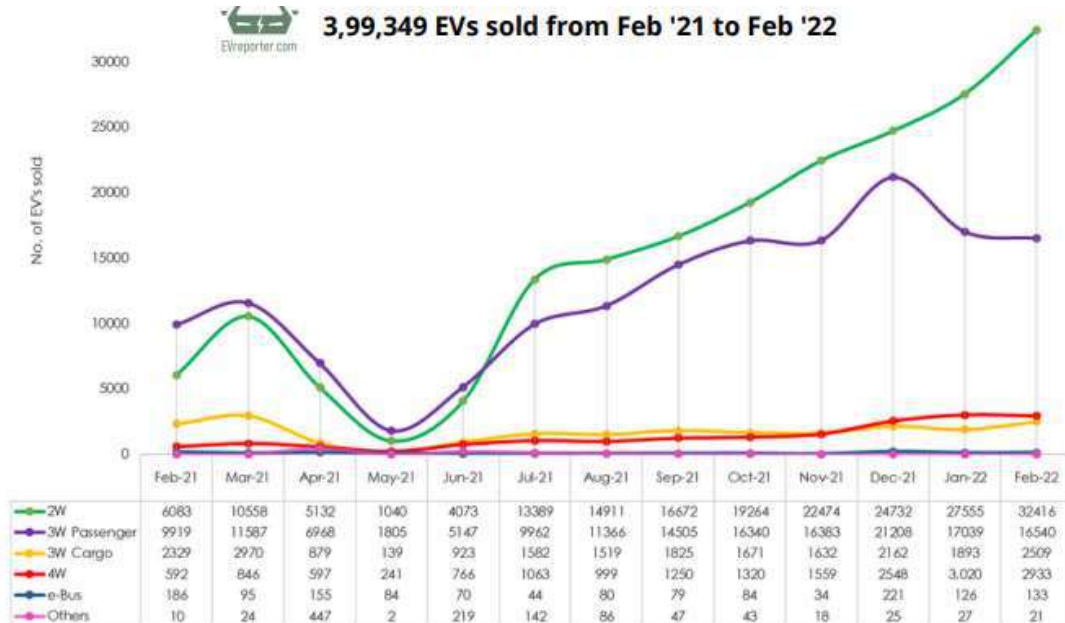
The importance of batteries to EVs has been verified in the history. The first EV was seen on the road shortly after the invention of rechargeable lead–acid batteries and electric motors in the late 1800s. In the early years of 1900s, there was agolden period of EVs.

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Sales Trend – Feb 2021 to Feb 2022

Source : EVreporter.com



Upcoming Activities- Feb 2022



International Women's Day

"There is Magic when there is a Woman!" International Women's Day will be celebrated by Cygni. Spread awareness on women's rights and gender equality to the public.



Holi - The Festival of Colours

Cygni is celebrating Holi - Festival of Colours. The arrival of spring, the end of winter, the blossoming of love, a festive day to meet others, play and laugh, forget and forgive etc.

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