

Top 10 Lithium-Ion Battery Manufacturers In India 2024

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Recently, during World EV Day, multiple reports highlighted India's impressive progress in EV sales, with electric three-wheelers leading the charge, closely followed by two-wheelers and four-wheelers.

India boasts several major players in the lithium-ion battery manufacturing sector, each contributing significantly to the nation's EV ecosystem by producing large quantities of batteries.

Amara Raja, established in 1985 is among India's leading business conglomerates in which Amara Raja Batteries Limited (ARBL), is the flagship company in the group. ARBL is one of the largest manufacturers of Automotive and Industrial batteries in India.

ARBL has prestigious original equipment manufacturers like Maruti Suzuki India Limited, Hyundai Motors India Limited, Ford India Limited, Tata Motors Limited, Mahindra and Mahindra Limited, and Honda Cars India Limited.

ARBL till now mainly involved in manufacturing lead-acid batteries but due to the increasing demand for Li-ion batteries in EVs, it has planned to set Gigafactory and is setting up a Rs 9,500-crore Gigafactory for lithium-ion cells and battery packs in Telangana.

Together, these manufacturing plants produce an annual output of 8 Million Units of Automobile batteries (including batteries for motorcycle applications), and over 600 million Ampere-Hours of Industrial Power.

Exide Industries Limited's net turnover for the financial year 2023 was 146 billion Indian rupees. This was a significant increase from the previous year. Till now Exide was involved in Lead-acid batteries manufacturing but now the company is switching to manufacturing Li-ion batteries.

In 2018, Exide entered a partnership with Leclanche S.A based in Switzerland for Li-ion battery production and renamed its Gujarat plant Exide Energy Private Limited which has a brand named Nexcharge that offers customized Li-ion batteries and energy solutions for transport and Industrial applications.

The plant has a state-of-the-art 1.5 GWh manufacturing facility based on NMC, LTO, and LFP battery chemistry for the cylindrical, pouch, and prismatic battery pack. Nexcharge has its R& D center in Bengaluru.

To fulfill its mission, Nexcharge has built India's largest factory equipped with fully automated assembly lines of li-ion battery packs, modules (Pouch/ Prismatic/ Cylindrical), and cell testing labs at Prantij, Sabarkantha, Gujarat.

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TDSG Li-ion battery manufacturing plant in Gujarat is being set up jointly between TOSHIBA Corporation (has a 40% share), DENSO Corporation (10% share), and Suzuki Motor Corporation (50% share) and was established in 2017.

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