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LG Energy Solution Ltd. (LGES; Korean: ???? ??????) is a battery company headquartered in Seoul, South Korea. LGES is one of the largest battery makers in the world alongside CATL, Panasonic, SK Innovation, and Samsung SDI.[1]

According to General Motors, manufacturing defects in batteries supplied for Chevrolet Bolt caused 13 confirmed battery fires. The faulty batteries were produced in LGES plants in South Korea and Michigan, and GM pursued reimbursement from LG. In the end, LGES and LG Electronics agreed to pay GM up to \$1.9 billion for the recalls on every car produced since 2016.[9][10]

The automotive landscape is changing rapidly and with lead times and electric vehicle (EV) innovation being key factors in meeting sustainable demand, these 10 battery manufacturers are supporting this global transition.

Farasis Energy looks to provide batteries to the EV market which contain more energy-dense materials to increase the performance of vehicles on the market. The company's Generation 1 cells have an energy density of 285 watt-hours per kilogram, which is one of the leading figures on the international market--achieving a 700-kilometre range in some cases.

Sunwoda Electric Vehicle Battery Co., Ltd. operates as a wholly-owned subsidiary of Sunwoda Electronic Co., Ltd. Dedicated to pioneering the electric vehicle battery pack industry, Sunwoda excels in providing cutting-edge lithium battery integration technology to both domestic and global new energy vehicle companies. Within the realm of electric vehicle battery packs, Sunwoda boasts an impressive repertoire of complete R& D and manufacturing capabilities.

The company takes pride in its battery management system (BMS), which is backed by exclusive intellectual property rights. Moreover, Sunwoda embraces highly automated cell sorting, modular assembly, and fully automated production lines for efficient battery packaging. This seamless amalgamation of advanced technologies further solidifies Sunwoda's position as a premier solution provider in the electric vehicle battery market.

A pioneering private enterprise in the power battery industry, Gotion High-Tech successfully entered the capital market in May 2015. Our primary focus lies in cutting-edge power battery technology for new energy vehicles, energy storage applications, power transmission, and distribution equipment.

As a technology-driven company, Gotion High-Tech is at the forefront of power battery research, development, and innovation. We have earned prestigious recognitions, including being a national torch program project unit, a national enterprise technology centre, and a high-tech enterprise. Notably, we are

proud recipients of the Anhui Provincial Government Quality Award and have played a crucial role in three national "863" major projects.

China Aviation Lithium Battery Co., Ltd. (CALB) is a prominent Chinese company specialising in the research, development, and manufacturing of advanced lithium-ion batteries. Founded in 2007, CALB has rapidly grown into a leading player in the global lithium battery industry. The company's cutting-edge technology and extensive product portfolio cater to diverse sectors such as electric vehicles, energy storage systems, aerospace applications, and more.

With a strong emphasis on innovation and continuous improvement, CALB continues to make significant contributions to the advancement of green energy solutions, playing a pivotal role in China's clean energy transformation.

Samsung SDI is here to deliver on two major pillars: green energy and cutting-edge materials. All this in aid of the most pressing issue and the main transition happening within the automotive industry, which is delivered through innovation in rechargeable EV batteries and energy storage systems (ESS) while also providing materials for semiconductors and displays.

In 2022, Samsung SDI delivered 2.2 billion small-size lithium-ion batteries to the EV industry, enabling car manufacturers to increase their input into the global supply chain of electric cars.

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