

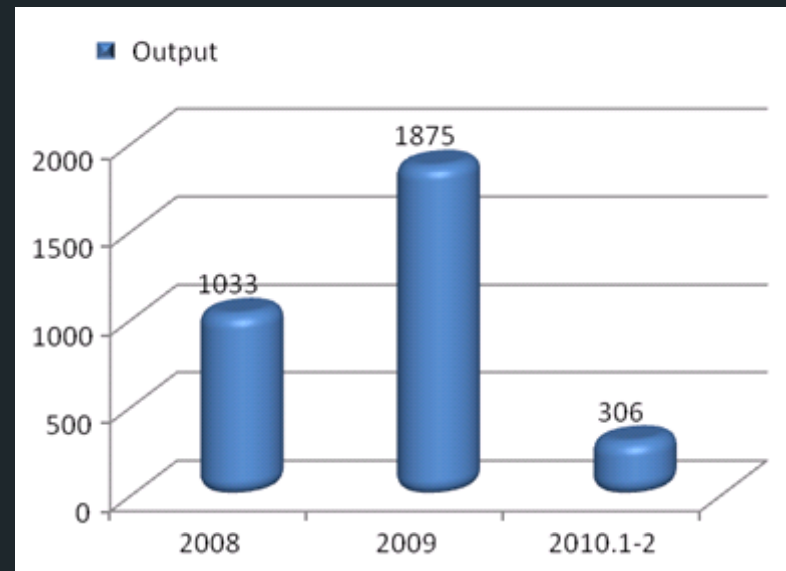
China Li-ion Battery Industry Report, 2009-2010



As technology advances, electric vehicles will definitely predominate the automotive market in the future. Li-ion battery, as the core component of electric vehicle, will see a huge market potential.

The advantages of Li-ion battery industry in China can be shown from three aspects: firstly, the low manufacturing cost. China boasts of ample cost-efficient labor resources, which makes it possible to employ manual semi-automatic production line to lower the cost. Chinese Li-ion manufacturers have made breakthroughs in technology and forced Li-ion battery price in global market to plummet in recent years; secondly, China is the world's largest consumer country; thirdly, China has developed a relatively complete Li-ion battery industry chain, keeping ahead in assembling Li-ion battery materials.

China Output of Li-ion Battery, 2008-Feb., 2010 (Unit: Million)



Source: Wind; ResearchInChina

It can be seen from the above figure that the output of Li-ion battery in China keeps growing year by year. In 2009, Li-ion battery output reached 1.875 billion units, up 82% from a year earlier.

The report starts from the industrial environment and current development of lithium battery industry in China, which is followed by the analysis on the segmented markets of Anode material, cathode material, electrolyte and separator. At length, the report gives detailed information about related leading enterprises in lithium battery manufacturing.

BYD, the largest Li-ion battery producer in China, carries two businesses- automobile and IT spare parts of which the latter is mainly composed of secondary rechargeable battery business and cell phone components & assembly service. Since 2009, automobile has become the prime business of BYD, and the battery for electric vehicle can be fully self-sufficient. Until now, BYD is the only domestic enterprise to possess the mass-production technology of LiFePO₄ battery pack for electric vehicles, holding the leading position worldwide.

As the major supplier of separators for BYD lithium battery, Foshan Plastics Group is expected to embrace its high growth period.

In addition, China BaoAn Group is the largest producer of anode materials in China, while Ningbo Shanshan Co., Ltd is China's leading supplier of cathode materials. In cooperation with TODA KOGYO Corp., Ningbo Shanshan Co., Ltd has developed an advantage in technology to produce anode material, and gained cost advantage by teaming up with Heron.

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