

Global procurement of lithium battery packs

What is the global demand for lithium-ion batteries?

Introduction The global demand for lithium-ion batteries is expected to increase 10- to 20-fold this decade, mainly due to the rapid growth of the electric vehicle market. The growing demand implies that capacities for the extraction and refinement of battery raw materials and the production of battery cells must also be increased.

What is the current lithium supply chain?

The current lithium supply chain, which accounts for 70% of the global battery cell supply and 60% of the EV battery market, is dominated by Chinese companies. The US government wants to find a way out in order to ensure economic security and to create jobs.

Can Japanese companies build a lithium supply chain?

TSMC. Japanese companies need to review their advantages and redefine their businesses as they work to build lithium supply chains. As the global demand for battery electric vehicles (BEVs) continues to rise, the demand for battery materials is also skyrocketing, raising concerns about supply shortages.

What will the global demand for battery materials be in 2040?

The global demand for raw materials for batteries such as nickel, graphite and lithium is projected to increase in 2040 by 20, 19 and 14 times, respectively, compared to 2020. China will continue to be the major supplier of battery-grade raw materials over 2030, even though global supply of these materials will be increasingly diversified.

Will China continue to supply battery-grade raw materials over 2030?

China will continue to be the major supplier of battery-grade raw materials over 2030, even though global supply of these materials will be increasingly diversified. Possible supply shortages will remain.

Which countries can provide a low-risk battery supply to the EU?

Australia and Canada are the two countries with the greatest potential to provide additional and low-risk supply to the EU for almost all battery raw materials. Enhancing circularity along the battery value chains has potential to decrease EU's supply dependency.

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The global Lithium-ion Battery Packs market size is expected to reach \$ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030). China's policy on lithium ...

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