

Power lithium battery industry



Overview

Global demand for Li-ion batteries is expected to soar over the next decade, with the number of GWh required increasing from about 700 GWh in 2022 to around 4.7 TWh by 2030 (Exhibit 1). Batteries for mobility applications, such as electric vehicles (EVs), will account for the vast bulk of. The global battery value chain, like others within industrial manufacturing, faces significant environmental, social, and governance (ESG). Some recent advances in battery technologies include increased cell energy density, new active material chemistries such as solid-state batteries, and cell and packaging. Battery manufacturers may find new opportunities in recycling as the market matures. Companies could create a closed-loop, domestic supply chain that involves the. The 2030 outlook for the battery value chain depends on three interdependent elements (Exhibit 12): 1. Supply-chain resilience. A resilient battery value chain is one that is regionalized and diversified. We envision that each region will cover over 90 percent of.



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