



Lithium Battery Energy Storage Manufacturing Center

Should lithium-based batteries be a domestic supply chain?

Establishing a domestic supply chain for lithium-based batteries requires a national commitment to both solving breakthrough scientific challenges for new materials and developing a manufacturing base that meets the demands of the growing electric vehicle (EV) and electrical grid storage markets.

What is the National Blueprint for lithium batteries?

This National Blueprint for Lithium Batteries, developed by the Federal Consortium for Advanced Batteries, will help guide investments to develop a domestic lithium-battery manufacturing value chain that creates equitable clean-energy manufacturing jobs in America while helping to mitigate climate change impacts.

Are lithium-based batteries good for the environment?

Lithium-based batteries are also critical for achieving U.S. climate objectives. The report states that without reliable access to lithium battery technology, the U.S. has no chance of meeting its 2050 net-zero carbon emissions goal or ensuring an inclusive and socially responsible industry.

What is the future of lithium batteries?

The elimination of critical minerals (such as cobalt and nickel) from lithium batteries, and new processes that decrease the cost of battery materials such as cathodes, anodes, and electrolytes, are key enablers of future growth in the materials-processing industry.

What if the US cannot establish a secure supply chain for lithium battery technology?

According to the report, if the U.S. cannot establish a secure and stable supply chain for lithium battery technology within its borders, other countries will enjoy the economic growth and job creation that lithium battery technology will create.

Are lithium-based batteries a viable industrial base?

A robust, secure, domestic industrial base for lithium-based batteries requires access to a reliable supply of raw, refined, and processed material inputs along with parallel efforts to develop substitutes that are sustainable and diversify supply from both secondary and unconventional sources.

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