Current status of foreign trade in energy storage battery industry

How are battery tariffs reshaping global trade?
As new battery tariffs and expanded China tariffs continue to reshape global trade, U.S. policymakers and businesses are reevaluating the domestic battery supply chain. This section outlines the current status of U.S. battery production, the resources required to scale it, and the challenges involved in reducing reliance on overseas suppliers.

How much battery material does China Import & Export?
China imported almost 12 million short tons of raw and processed battery minerals, accounting for 44% of interregional trade, and exported almost 11 million short tons of battery materials, packs, and components, or 58% of interregional trade in 2023, according to regional UN Comtrade data.

Are Chinese tariffs affecting the battery market?
The U.S. battery market has entered a period of pricing uncertaintydue to expanded battery tariffs. Starting in 2025,new Chinese tariffs on imported lithium-ion cells and components--especially those used in energy storage systems--have reached levels as high as 104%,according to updated trade filings.

Which country exports the most battery materials in 2023?
Chinaaccounted for 53% of the world's battery material export trade in 2023. Battery materials are then used to produce battery components like electrodes,electrolytes,and separators. For example,a lithium-ion battery cell usually includes a graphite anode,lithium-based cathode,and a dissolved lithium salt electrolyte.

Which stationary energy storage products are affected by battery tariffs?
Stationary Energy Storage Products Affected by Battery Tariffs Large-format stationary energy storage systems like Tesla's Powerwall and Megapackalso face cost increases due to the latest tariffs. These products rely heavily on lithium battery cells sourced from Chinese suppliers.

What is China's role in the global battery supply chain?
Note: Excludes trade within regions. China has a major role at each stage of the global battery supply chain and dominates interregional trade of minerals.

This data-driven assessment of the current status of energy storage markets is essential to track progress toward the goals described in the Energy Storage Grand Challenge and inform the ...

What is the future of energy storage? Storage enables electricity systems to remain in balance despite variations in wind and solar availability, allowing for cost-effective deep decarbonization ...

Given this context, the Commission designated battery development and production as a strategic imperative

for Europe: it enables the clean energy transition (including the storage of ...

They enable electrification of the transportation sector and provide stationary grid storage, critical to developing the clean-energy economy. The U.S. has a strong research community, a robust ...

The U.S. Energy Trade Dashboard provides annual, HS -10 level trade data on U.S. exports (Schedule B) and imports (HTS) of primary energy, energy equipment, and materials for ...

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