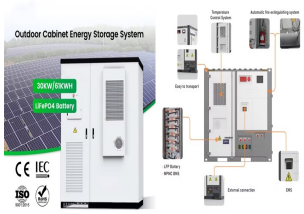
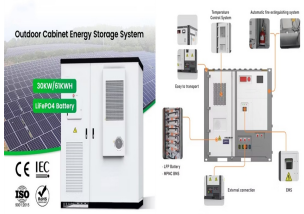
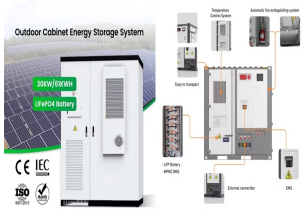
NEW TRANSPORTATION ADVANCED ENERGY STORAGE ELECTRONIC MATERIALS IN THE UNITED STATES



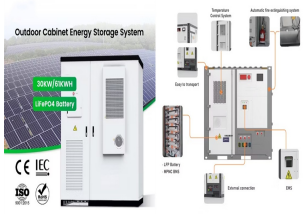
What is the Advanced Materials & Manufacturing Technologies Office (ammto)? Take a look at our portfolio of successes. Throughout the past year, the Advanced Materials and Manufacturing Technologies Office (AMMTO) has advanced projects and technologies that will generate significant impact for next-generation American manufacturing for energy technologies and systems.



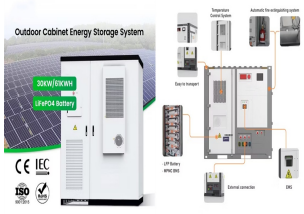
How many EVS will the US have in 2028? Bloomberg forecasts 3.2 million EV sales in the U.S. for 2028. This projection is part of the National Blueprint for Lithium Batteries 2021-2030 by the Department of Energy.



How are we supporting next-generation batteries? The U.S. Department of Energy (DOE) and its Advanced Materials and Manufacturing Technologies Office (AMMTO) is helping the U.S. domestic manufacturing supply chain grow to fulfill the increased demand for next-generation batteries.



How does the United States develop battery storage systems? The United States typically encourages private-sector,market-driven approachesto industrial development,including the development of battery storage systems. While there are various federal and state policies that impact this development,they are generally not coordinated across levels of government.



What will the U.S. achieve in the battery technology sector by 2030? By 2030,the United States and its partners will establish a secure battery materials and technology supply chain that supports long-term U.S. economic competitiveness and equitable job creation,enables decarbonization,advances social justice,and meets national security

requirements. The U.S. aims to achieve these goals in the battery technology sector by 2030.

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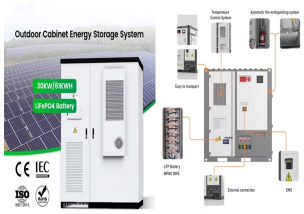
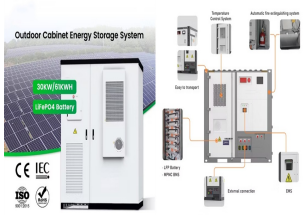


Why did ammto renew the poweramerica Institute in 2023? Because of PowerAmerica???s contributions in advancing power electronics for the modern economy,AMMTO renewed the institute in 2023 with an additional five years of support to expand its focus and activities.



Today the U.S. Department of Energy (DOE) announced the creation of two new Energy Innovation Hubs. One of the national hubs, the Energy Storage Research Alliance (ESRA), is led by Argonne National ???

Innovative materials with increased functionality can improve the energy productivity of U.S. manufacturing. Materials with novel properties will enable energy savings in energy-intensive processes and applications and will ???

A new National Academies" report, Laying the Foundation for New and Advanced Nuclear Reactors in the United States, discusses how the United States could support the successful commercialization of advanced nuclear reactors with ???

Manufacturing process innovations improve manufacturing competitiveness by enabling new materials and technologies to be produced with precision, quality, flexibility, and controllability, as well as material and energy ???

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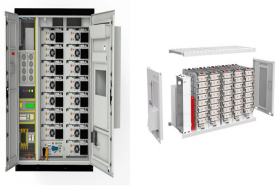
From laser steel to fuel made from rocks, we look inside the 2025 ARPA-E energy technology conference. Where can you find lasers, electric guitars, and racks full of novel batteries, all in the

As energy demands continue to grow, new materials and manufacturing approaches for harsh service environments are required to advance power generation, energy storage, and other sectors while helping ???

Broaden and Expand Supply: Identify and secure substantial resources from a wide variety of feedstocks including primary and secondary sources, co-produced materials from existing operations, and international ???



The recently enacted Bipartisan Infrastructure Law includes funding to explore domestic capabilities for midstream and downstream components of the battery supply chain including anode/cathode power ???

An official website of the United States government Lithium-ion (Li-ion) batteries have found wide-spread use in electric vehicles (EV) and grid-scale energy storage. This adoption is partially in response to the dramatic ???

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Researchers will advance battery technologies going beyond current lithium ion capabilities. Maximizing the benefits of clean energy requires new ways to store it, and University of Michigan engineers will partner in a ???

America's economy, national security and even the health and safety of our citizens depend on the reliable delivery of electricity. The U.S. electric grid is an engineering marvel with more than 9,200 electric generating units having ???

The global transition to sustainable energy systems and the growing demand for high-efficiency electrical infrastructure necessitate groundbreaking innovations across materials, devices, and system-level engineering. This ???