

Energy storage lithium-ion battery specifications and standards



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Genesis Mission

Genesis Mission brings together the Department of Energy's 17 National Laboratories with America's leading universities and industry, including pioneers in artificial intelligence, computing, materials,

[Customizable Technical Specifications for Lithium-Ion Battery](#)

Technology that stores electrical energy in a reversible chemical reaction Lithium-ion (li-ion) batteries are the most common technology for energy storage applications due to their performance



[Lithium-ion Battery Storage Technical Specifications](#)

This document is meant to be used as a customizable template for federal government agencies seeking to procure lithium-ion battery energy storage systems (BESS).

Energy Department Reins in Over \$83 Billion in

The U.S. Department of Energy announced today that the Office of Energy Dominance Financing (EDF) is restructuring, revising, or eliminating more than \$83 billion in Green New Scam



The Nation's Nuclear Reactor Fleet Is on the Rise



The U.S. Department of Energy's (DOE) Office of Nuclear Energy is underway with a new effort that will use existing nuclear energy infrastructure to put more power on the grid. The Utility

[FY 2026 Budget Justification , Department of Energy](#)

Fiscal Year 2026 Budget Justification documents to support the Department of Energy Budget Request to Congress



United States to Release 172 Million Barrels of

WASHINGTON -U.S. Secretary of Energy Chris Wright released the following statement regarding the International Energy Agency (IEA) and the U.S. Strategic Petroleum Reserve (SPR):

Exploring Solar Energy Student Guide (7 Activities)

Like solar cells, concentrated solar power systems use solar energy to make electricity. Since the solar radiation that reaches the earth is so spread out and diluted, it must be concentrated to produce the



Department of Energy

Genesis Mission leverages the Department of Energy's unique scientific datasets-spanning more than 100 petabytes of experimental and simulation data across every major domain of science-to double

[Industrial Technologies Office , Department of](#)

Energy

The Industrial Technologies Office (ITO) funds research, development, pilot-scale demonstrations, and technical assistance and workforce development to increase competitiveness of the U.S. industrial



2026 DOE 202 (c) Orders

On January 26, 2026, the Department of Energy (DOE) issued an emergency Order No. 202-26-07, pursuant to section 202 (c) of the Federal Power Act, to Duke Energy Carolinas, LLC and

[NFPA 855 Guide: Complying with Fire Code for Batteries](#)

Learn how to comply with NFPA 855 battery fire code requirements for energy storage systems. Key rules, spacing, UL 9540A testing, and



Office of Critical Minerals and Energy Innovation

The Office of Energy Technology will continue to lead the world in research and development for cutting-edge energy technologies, fuels, chemicals, and hydropower.

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