

Energy storage system range



Overview

The projects that comprise ARPA-E's RANGE Program, short for "Robust Affordable Next Generation Energy Storage Systems," seek to develop transformational electrochemical energy storage technologies that will accelerate the widespread adoption of electric vehicles by dramatically.



Article Content

Energy Department Announces Largest Loan in Department History ...

U.S. Secretary of Energy Chris Wright today announced the Department of Energy's Office of Energy Dominance Financing (EDF) has closed a historic \$26.5 billion loan package to

Comprehensive review of energy storage systems technologies,

This paper presents a comprehensive review of the most popular energy storage systems including electrical energy storage systems, electrochemical energy storage systems, mechanical

U.S. DOE Energy Storage Handbook

The Energy Storage Handbook (ESHB) is for readers interested in the fundamental concepts and applications of grid-level energy storage systems.

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

THE STATE OF AMERICAN ENERGY: Promises Made, Promises Kept

The Energy Department is Delivering on President Trump's Agenda of to Unleash American Energy Dominance.

RANGE | ARPA-E

The projects that comprise ARPA-E's RANGE Program, short for "Robust Affordable Next Generation Energy Storage Systems," seek to develop transformational electrochemical energy storage

U.S. Grid Energy Storage Factsheet

Electrical Energy Storage (EES) systems store electricity and convert it back to electrical energy when needed. 1 Batteries are one of the most common forms of electrical energy storage.

FACT SHEET: The Energy Department Is Delivering On Accelerating

The Department of Energy (DOE) is fully committed to unleashing America's next nuclear renaissance, from reinvigorating domestic supply chains to delivering gigawatts of new reactors.

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.

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,

Renewable Energy Pillar

EERE's applied research, development, and demonstration activities aim to make renewable energy cost-competitive with traditional sources of energy. Learn more about EERE's work in geothermal,

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

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

FY 2026 Budget Justification | Department of Energy

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

Contact Us

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