



Batteries and energy storage

US energy storage shatters records with 58 GWh installed in 2025 A new quarterly report from SEIA and Benchmark Mineral Intelligence highlights a 30% year-over-year growth in the US

This combo provides reliable solar power generation, smart energy storage, and uninterrupted backup during load shedding or grid failures. The Anicsun 6kW Hybrid Solar Inverter efficiently converts solar

In an era where energy independence and sustainability are more important than ever, battery energy storage systems (BESS) have emerged as a game-changer for both homes and businesses.

Two major Greek energy companies, PPC Group and METLEN, are expanding their presence in the regional storage market through a cross border partnership focused on large scale

Energy storage in America mostly meant massive, decades-old pumped-hydro storage projects and a handful of small lithium-ion battery plants. In 2017, only 500 megawatts of grid battery

Selling Stored Power: How US Homes Are Turning Batteries Into Revenue Puget Sound Energy (PSE) has rolled out its Flex Batteries program, allowing homeowners to enrol their battery

PPC and Metlen Partner on Battery storage development of 1.5 GW in Three Countries In a significant move to bolster energy infrastructure across Southeast Europe, Greek utility PPC Group

Senegal launches 500 MW solar tender with battery storage, boosting renewable capacity, strengthening grid stability, and supporting national clean energy goals.

The Combo Deal R16 - Anicsun Hybrid Solar Inverter with Apex 51.2V 100Ah Lithium Battery is a reliable solar power solution designed to provide efficient energy generation, smart storage, and

The tech giant's latest project pairs massive renewable energy capacity with a 100-hour battery to support data center operations.

As the electric grid grows more complex, battery-energy storage systems (BESS) are growing. Here's how developers can succeed in a rapidly evolving market.

Modern battery technology offers a number of advantages over earlier models, including increased specific energy and energy density (more energy stored per unit of volume or weight), increased

Form Energy will supply iron-air batteries for the 300 MW/30 GWh deployment, which the parties say will



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bolster Xcel's Upper Midwest grid with cost-effective multiday energy storage.

Batteries and capacitors serve as the cornerstone of modern energy storage systems, enabling the operation of electric vehicles, renewable energy grids, portable electronics, and

Demonstrating, once again, the power of clean energy in the face of strong political headwinds, the US has chalked up its largest single year of new battery additions on record.

AlphaESS is a leading global green energy storage solution and service provider, specializing in tailored solutions for residential and commercial applications.

New Victron Energy 3-Phase Storage System - 3× 3 kVA MultiPlus-II with 30 kWh LFP Battery Offered is an installed and programmed professional 3-phase energy storage system from

By bridging the gap between academic research and real-world implementation, this review underscores the critical role of lithium-ion batteries in achieving decarbonization, integrating

This special report brings together the latest data and information on batteries from around the world, including recent market developments and

The Combo Deal RG8 - Knox 6.6kW Hybrid Solar Inverter with Luminey 51.2V 100Ah Lithium Battery is a high-performance solar power solution designed for reliable energy production, smart storage, and

Form Energy invented a novel iron-air battery to store clean energy for much longer timeframes than conventional lithium-ion batteries can. The startup is still constructing its first

Developments in batteries and other energy storage technology have accelerated to a seemingly head-spinning pace recently -- even for the

Learn how battery energy storage systems work, their key components, and why they are vital for reliable, cost-efficient, and sustainable power.

Analytical chemist and expert in energy storage systems and battery management, this expert brings over 33 years of industrial R& D and technical operations experience. Core specialties include lithium

Batteries and energy storage are the fastest-growing fields in energy research. With global energy storage requirements set to reach 50 times the size of the current market by 2040*, this growth is

Bottom line: The US electric grid added more energy storage capacity in 2025 than in any previous year on record, achieving the milestone during a politically turbulent period for



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AUSTIN, Texas, January 2, 2026 - In the fourth quarter, we produced over 434,000 vehicles, delivered over 418,000 vehicles and deployed 14.2 GWh of energy storage products - a record for deployments.

Battery storage is being deployed at record levels in the U.S., but the growth is concentrated in just three states: Texas, California, and Arizona. Those states combined accounted

The global battery energy storage system (BESS) market is set to experience a remarkable growth trajectory, with a projected CAGR of 15.8%, expanding from USD 50.81 billion in

This combo allows you to generate solar energy efficiently, store excess power, and enjoy reliable electricity during load shedding or grid outages. The Primax Foton 6.5kW Hybrid Solar Inverter uses

Batteries are the fastest-growing storage tool from the clean flexibility toolkit, which include other key storage solutions such as pumped hydro. Battery Energy Storage Systems (BESS) ensure cheap

Queensland-based gas business Arrow Energy has turned to solar and battery energy storage to help power its coal-seam gas operations in the Queensland's Surat Basin.

The electric grid faces a growing challenge: meeting rising energy demand without compromising reliability or affordability, all while becoming

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