

JH Solar

International energy storage outlook



Overview

Should energy storage be developed?

Developing energy storage has become a global consensus. It was announced at COP29 in late 2024 that global storage capacity will increase to 1,500 GW by 2030, more than six times the 2022 level. As a result, InfoLink maintains a cautiously optimistic outlook for the medium- to long-term development of energy storage systems.

What is Infolink's outlook for energy storage systems?

As a result, InfoLink maintains a cautiously optimistic outlook for the medium- to long-term development of energy storage systems. Database contains the global lithium-ion battery market supply and demand analysis, focusing on the cell segment in the ESS sector.

How can energy storage support the global transition to clean electricity?

To support the global transition to clean electricity, funding for development of energy storage projects is required. Pumped hydro, batteries, hydrogen, and thermal storage are a few of the technologies currently in the spotlight.

How will energy storage affect global electricity production?

Global electricity output is set to grow by 50 percent by mid-century, relative to 2022 levels. With renewable sources expected to account for the largest share of electricity generation worldwide in the coming decades, energy storage will play a significant role in maintaining the balance between supply and demand.

Is energy storage a viable option in 2024?

Utility-scale Energy Storage: Forecasted for 2024, new installations are set to reach 55GW / 133.7GWh, reflecting a solid 33% and 38% increase. The decline in lithium prices has led to a corresponding reduction in the cost of energy storage systems, bolstering the economic feasibility of utility-scale energy

storage and revitalizing tender markets.

Are commercial and industrial energy storage systems becoming more popular?

Regarding ESS types, commercial and industrial (C&I) energy storage systems are entering a phase of swift development, surpassing the incremental growth of utility-scale installations and other ESS types by a significant margin.

International energy storage outlook



Global Energy Storage Market Outlook 2025 Trends, Growth

The global energy storage industry is undergoing rapid expansion, driven by technological advancements, government policies, and the increasing demand for renewable ...

Innovation Outlook: Thermal energy storage

Thermal energy storage categories Sensible
 Sensible heat storage stores thermal energy by heating or cooling a storage medium (liquid or solid) without changing its phase.



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 ??????(IRENA)????????????TES????????,???? ...

Energy Outlook 2025: Energy Storage

IRENA also released an Innovation Outlook on Thermal Energy Storage, further supporting advancements in this critical area. A strong outlook for 2025 In summary, the energy storage

market in 2025 ...

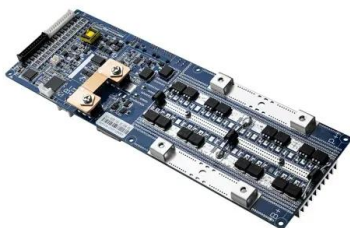


Global Energy Review 2025 - Analysis

The Global Energy Review 2025 Dataset includes 2022, 2023 and 2024 world aggregated data for total energy supply, electricity generation, technology deployment and CO2 emissions. It also includes selected data ...

Today in Energy

Data source: U.S. Energy Information Administration, Short-Term Energy Outlook (STEO), January 2025 Note: Battery storage net generation is close to zero, reflecting ...



Global Energy Review 2025 - Analysis

The Global Energy Review 2025 Dataset includes 2022, 2023 and 2024 world aggregated data for total energy supply, electricity generation, technology deployment and CO2 emissions. It ...

Electricity 2025 - Analysis

The International Energy Agency's Electricity 2025 provides a deep and comprehensive analysis of all these trends as well as recent policy developments. For the period 2025 through 2027, it forecasts electricity ...



International Energy Outlook 2023

The International Energy Outlook 2023 (IEO2023) explores long-term energy trends across the world through 2050. Since our last IEO two years ago, IEO2021, the global ...

International Energy Outlook 2023

The International Energy Outlook (IEO) presents the U.S. Energy Information Administration's (EIA) assessment of the outlook for international energy markets.



International Energy Outlook 2023 Fact Sheet: International

...

The IREStore model simulates the realistic economic and operational impact of energy storage technologies--such as diurnal batteries and pumped storage hydroelectric power plants--and ...

BNEF: Energy storage market grew faster than ...

A large-scale battery storage project in China, which is set to remain the world's biggest market by country this decade according to BNEF. Image: Hyperstrong. According to the International Energy Agency ...



Global Energy Storage Market Outlook

Energy storage capacity additions will have another record year in 2023 as policy and market fundamentals continue to propel the industry Data compiled March 2023. Source: S& P Global ...

World Energy Outlook

World Energy Outlook 2024 ????????
INTERNATIONAL ENERGY AGENCY The IEA examines the full spectrum of energy issues including oil, gas and coal supply and demand, ...



Batteries and Secure Energy Transitions

In this new report, we provide an in-depth examination of a technology that is a linchpin in delivering clean energy transitions and protecting energy security. Batteries will be critical to ...

Global Energy Storage Growth Upheld by New Markets

The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, ...



173GWh! Projections for Global Energy Storage

The growth trajectory of the energy storage market in the Middle East and Africa for 2024 is notably concentrated, with South Africa and Israel emerging as dominant players.

Global Energy Storage Market Records Biggest ...

The global energy storage market almost tripled in 2023, the largest year-on-year gain on record, and that growth is expected to continue.



How rapidly will the global electricity storage market grow by 2026?

Global installed storage capacity is forecast to expand by 56% in the next five years to reach over 270 GW by 2026. The main driver is the increasing need for system ...

A new Innovation Outlook report on Thermal ...

This outlook from the International Renewable Energy Agency (IRENA) highlights key attributes of Thermal energy storage (TES) technologies and identifies priorities for ongoing research and development.



International Energy Outlook 2023 Fact Sheet: International ...

International Energy Outlook 2023 Fact Sheet: International Renewable Storage Model The International Renewable Storage Model (IREStore) is a supplemental model to the ...

Batteries and Secure Energy Transitions - ...

In the power sector, battery storage is the fastest growing clean energy technology on the market. The versatile nature of batteries means they can serve utility-scale projects, behind-the-meter storage for ...



[World Energy Outlook 2025](#)

The IEA's flagship World Energy Outlook (WEO) is the world's most authoritative source of global energy analysis and projections. Updated each year to reflect all the latest energy data, technology and market trends, ...

Energy Outlook 2025: Energy Storage

By 2030, the global energy storage market is projected to grow at a compound annual growth rate (CAGR) of 21%, with annual energy storage additions expected to reach ...

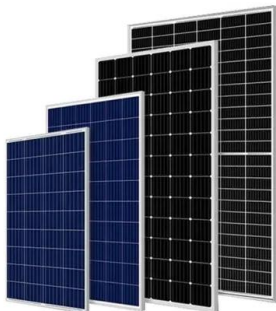


World Energy Outlook 2024 - Analysis

The IEA's flagship World Energy Outlook, published every year, is the most authoritative global source of energy analysis and projections. It identifies and explores the biggest trends in ...

A new Innovation Outlook report on Thermal Energy Storage by ...

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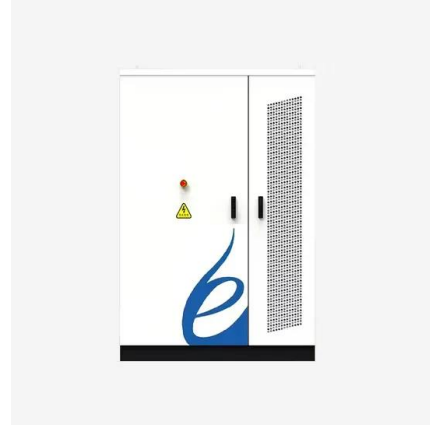


EV Battery Supply Chain Sustainability

EV Battery Supply Chain Sustainability was prepared by the Energy Technology Policy (ETP) Division of the Directorate of Sustainability, Technology and Outlooks (STO) of the ...

Innovation outlook: Thermal energy storage

Thermal energy storage (TES) can help to integrate high shares of renewable energy in power generation, industry and buildings. This outlook identifies priorities for research and development.



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