

Market analysis of household energy storage lithium batteries

What is the global residential battery storage market?

The Global Residential Battery Storage Market is Segmented by Type (Lithium-ion Battery, Lead-Acid Battery, and Other Types) and Geography (North America, Europe, Asia-Pacific, South America, and Middle East and Africa). The market size and forecasts are provided in terms of value (USD million) for all the above segments. Want to share this?

How is the residential battery market segmented?

The residential battery market is segmented by type and by geography. By type, the market is segmented into lithium-ion batteries, lead-acid batteries, and other types. The report also covers the market size and forecasts for the residential battery market across major regions.

Why is lithium-ion battery industry growing?

Lithium-ion battery industry is consequently witnessing unprecedented growth, fueled by pivotal role these batteries play in addressing both environmental concerns and the need for reliable energy storage solutions in automotive sector.

What is the global lithium-ion battery market size?

The global lithium-ion battery market size was estimated at USD 54.4 billion in 2023 and is projected to register a compound annual growth rate (CAGR) of 20.3% from 2024 to 2030. Automotive sector is expected to witness significant growth owing to the low cost of lithium-ion batteries.

What are the different types of lithium-ion battery market?

Based on type, the market is categorized into lithium-ion battery, lead-acid battery, flow battery, and others. The lithium-ion battery segment is projected to lead the industry and is anticipated to hold a significant market share during the forecast period.

Are lithium-ion batteries a good choice for residential solar & home inverters?

Due to their declining prices, lithium-ion batteries have recently gained popularity as battery storage systems for residential solar and home inverters. In 2021, the price of the lithium-ion battery was USD 123/kWh, which declined by 81.58% from USD 668/kWh in 2013. The residential energy storage policies to date are quite nascent.

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