

# Solid-state lithium battery market

What is the global solid state battery market size?

The global solid state battery market size was estimated at USD 1.18 billion in 2024 and is projected to reach USD 15.07 billion by 2030, growing at a CAGR of 56.6% from 2025 to 2030.

How big is the solid state battery market in 2024?

The solid state battery market was valued at USD 1.1 billion in 2024 and is expected to reach around 17.7 billion by 2034, growing at 31.1% CAGR through 2034. What will be the size of thin film segment in the solid state battery industry? The thin film segment is anticipated to cross 7 billion by 2034.

What is the future of the solid-state battery market?

Partnerships and agreements are likely to offer lucrative opportunities for market players in the next few years. The solid-state battery market in Asia Pacific is projected to reach USD 780.9 million by 2031, growing at a CAGR of 41.2% during the forecast period.

What is the growth rate of North America solid state battery market?

North America solid state battery market is expected to grow at a CAGR of 55.6% over the forecast period, owing to the increasing investments in clean energy technologies and electric vehicles.

What is the European solid state battery market share in 2024?

The European solid state battery has a market share of 22% in 2024. These developments are owing to collection of additional attention regarding the use of energy storage for renewables, carbon neutral goals and ongoing technological changes.

Why is solid state battery market growing?

The growing demand for sustainable battery technology has boosted the market growth. This market is expected to rise significantly with the growth of the energy and power industry around the world. Rising adoption of EVs around the world is seen to promote the expansion of solid state battery market.

The cost to manufacture solid-state batteries is very high, which is limiting the growth rate of the solid state battery market. The major reason for the higher cost is the ...

A solid-state battery utilizes solid electrodes and a solid electrolyte, distinguishing it from traditional lithium-ion batteries that rely on liquid or gel electrolytes. This innovative technology ...

This report covers the lithium metal battery market, evaluating technologies, players and application markets. Coverage across four technologies (solid-state, liquid electrolyte, lithium ...

The solid state battery market size crossed USD 1.1 billion in 2024 and is expected register at a CAGR of



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31.1% from 2025 to 2034, driven by rising EV adoption, investments in high-density, ...

Solid-State Lithium Battery Market Size And Forecast Solid-State Lithium Battery Market size is valued at USD 85.1 Million in 2023 and is projected to reach USD 358.1 Million by 2030, ...

According to the report, the solid-state lithium battery market was valued at \$0.4 billion in 2023, and is estimated to reach \$1.3 billion by 2030, growing at a CAGR of 18.2% ...

The global Solid State Battery (SSB) market size was USD 630.5 Million in 2021 and is expected to register a revenue CAGR of 36.3% during the forecast period. Increase in global demand for ...

Solid-State Lithium Battery Market Size And Forecast Solid-State Lithium Battery Market size is valued at USD 85.1 Million in 2023 and is projected to reach ...

The global solid-state battery market size was valued at USD 98.96 million in 2024. The market is projected to grow from USD 119.00 million in 2025 to USD 1,359.18 million ...

The global solid-state battery market revenue is projected to grow from USD 2.78 billion in 2025 to reach USD 33.38 billion by 2033, growing at a CAGR of 36.4% during the forecast period ...

The key market driver for the global lithium solid-state battery market is the higher efficiency offered by the solid-state batteries. The operational safety due to the absence of liquid ...

Evaluate comprehensive data on Lithium Solid-State Battery Market, projected to grow from 2.5 billion USD in 2024 to 9.8 billion USD by 2033, exhibiting a CAGR of 16.8%. This report ...

The global solid-state battery market size was valued at \$98.96 million in 2024 & is projected to grow from \$119.00 million in 2025 to \$1,359.18 million by 2032

The global solid-state battery market size was valued at USD 2.04 billion in 2024 and is projected to grow from USD 2.78 billion in 2025 to reach USD 33.38 billion by 2033, growing at a CAGR ...

Lithium Solid-State Battery Market size is expected to be worth around USD 19.4 Billion by 2034, from USD 2.0 Billion in 2024, growing at a CAGR of 25.5%. Lithium Phosphorus Oxy-Nitride ...

The global solid state battery market size is calculated at USD 1.63 billion in 2025 and is forecasted to reach around USD 26.03 billion by 2034, accelerating at a CAGR of 36.03% from 2025 to 2034. The Asia Pacific solid ...

Solid-State Battery Market Size is valued at USD 886.1 Mn in 2024 and is predicted to reach USD 24343.2 Mn by the year 2034 at a 40.4% CAGR during the forecast ...

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The solid-state battery market is driven by increasing research and development by solid-state battery manufacturers, rising demand for electric vehicles, and the benefits of solid-state ...

Global Solid-state Battery Market Forecast Global market for solid-state batteries slated to reach the revenue of approximately US\$1.7 Bn by the end of 2030 Market valuation all set to ...

Solid state battery market to hit \$3.4B by 2030, with an 18.0% CAGR from 2021-2030. Demand rises from energy storage, wearables, and consumer electronics.

Safety concerns with traditional lithium-ion batteries prompted the emergence of new battery technologies, among them solid-state batteries (SSBs), offering enhanced safety, energy density, and lifespan. This paper reviews ...

Global Solid State Battery market is predicted to reach approximately USD 7.35 billion by 2032, at a CAGR of 21.86% from 2024 to 2032. Solid-state batteries represent a paradigm shift in ...

The report includes the analysis of the regional as well as global solid-state lithium battery market trends, key players, market segments, application areas, and market growth strategies.

The global solid-state lithium battery market was valued at \$0.4 billion in 2023, and is projected to reach \$1.3 billion by 2030, growing at a CAGR of 18.2% from 2024 to 2030. Market ...

Solid State Battery Market to Reach USD 27 Billion With CAGR of 24.61% by 2035, Solid State Battery Industry Analysis by Application, Technology, Form Factor, End Use, Size, Share, Growth, Trends and Region | Solid State Battery ...

The global solid state battery market size is calculated at USD 1.63 billion in 2025 and is forecasted to reach around USD 26.03 billion by 2034, accelerating at a CAGR of ...

A solid-state battery uses a solid electrolyte instead of a conventional liquid or gel electrolyte to separate the cathode and anode. Solid electrolytes used in this battery are made of ceramic or ...

Solid State Battery Market Summary The global solid state battery market size was estimated at USD 1.18 billion in 2024 and is projected to reach USD 15.07 billion by 2030, growing at a CAGR of 56.6% from 2025 to 2030.

Global Lithium Solid-State Battery size is estimated to grow by USD 398.26 thousand from 2024 to 2028 at a CAGR of 42% with the polyethylene-oxide having largest market share.

Solid State Battery Market size is estimated to be valued at USD 1,971.8 Mn in 2025 and is expected to



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expand at CAGR of 39.2% reaching USD 19,968.1 Mn by 2032.

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