

Australia Lithium Market Growth Analysis - Forecast Trends, Market Size, Share and Outlook (2025-2034)

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Report description:

Australia Lithium Market Trends The Australia lithium market is expanding due to the growing global demand for lithium, mainly driven by its use in electric vehicle (EV) batteries and renewable energy storage. As the holder of the world's largest lithium reserves, Australia guarantees a reliable supply. Government incentives support the sector's growth, and the country continues to lead in lithium exports, enhancing its battery manufacturing capabilities. According to the Australian Electric Vehicle Industry Recap 2023, 98,436 EVs were purchased in 2023. With the increasing demand for EVs, the need for lithium-ion batteries, which depend heavily on lithium, is also rising, further boosting market growth. Technological advancements in lithium extraction are shaping the Australia lithium market dynamics and trends, improving efficiency, and reducing environmental impacts. Sustainable production methods are increasingly adopted, with a focus on minimising carbon footprints. The lithium sector contributes to Australia's economy by generating employment and promoting industry growth. Partnerships with international companies are enhancing lithium processing and refining technologies.

Australia Lithium Market Growth The growth of the Australia lithium market is supported by its contribution to diversifying the country's resource-based economy, while attracting both local and international investment. Australian lithium is crucial in global supply chains for green technologies, driving regional development, particularly in Western Australia. Furthermore, the rising use of lithium for energy storage strengthens the nation's renewable energy sector. According to the Australian Bureau of Statistics, lithium concentrates exports reached a record USD 1,163 million in June 2022, marking an increase of USD 1,073 million (1189%) compared to June 2021. The Australia lithium market revenue is impacted by rising lithium prices, which increase earnings for local producers, while investments in new infrastructure enhance mining and transportation efficiency. The stable political environment in Australia bolsters the resilience of the lithium sector. Additionally, the country's closeness to major Asian markets provides logistical benefits, and a commitment to responsible mining practices ensures the industry's long-term sustainability.

Australia Lithium Market Insights - The Australian Government's AUD 4 billion Critical Minerals Facility fosters investment in lithium and other critical minerals projects. This initiative supports the development of key resources, ensuring Australia's competitive edge in the global market, aligned with the Critical Minerals Strategy and national interests. - Australia's position as the world's largest lithium exporter, as reported by the Australian Bureau of Statistics, provides significant economic benefits. This leadership strengthens its role in the global supply chain, particularly for electric

vehicles (EVs) and renewable energy, enhancing Australia's reputation as a critical supplier. According to Australia's Identified Mineral Resources (AIMR) report, lithium production in Australia is at a record high, supporting the global energy transition. The surge in lithium production strengthens the country's export market and ensures its continued importance in powering the electric vehicle and renewable energy sectors. Industry News October 2022 eLumina opened a pioneering factory on the Gold Coast, Australia's first to manufacture community lithium batteries and EV chargers. The USD 20m Manufacturing and Development Centre, set to start production in 2025, will produce up to 300 units annually and create 300 local jobs, supporting Australia's clean energy transition. June 2022 Scientists at ANSTO and Lithium Australia Limited (LIT) developed a world-first technology to extract more lithium from mining waste, benefiting the Australian industry. Lithium demand surged due to the growing lithium-ion battery market for electronics and electric vehicles. Australia supplies around 60% of the world's lithium, mainly as spodumene, yet conventional extraction methods were energy-intensive, leading to waste. Australia Lithium Market Drivers Rising Global Demand for Electric Vehicles (EVs) The global shift towards electric vehicles (EVs) is a major factor driving the growth of the Australia lithium market. As governments and industries move towards low-emission technologies, the demand for lithium to power EV batteries is becoming increasingly crucial. With its rich lithium resources, Australia is well-positioned to meet this growing demand. This trend has sparked investments in expanding lithium production, processing facilities, and research into battery technologies. As EV adoption continues to rise globally, Australia's lithium market is expected to see ongoing growth, solidifying its role in the global energy transition. In January 2022, EV Metals Group (EVM) launched the Australian Lithium Alliance to partner with Australian companies and accelerate lithium mineral development and production. Advances in Lithium Extraction Technologies The demand for the Australia lithium market is being driven by the development of more efficient and environmentally friendly extraction technologies. Traditional mining methods, such as hard rock mining, are being enhanced by innovations like direct lithium extraction (DLE), which offers higher yields, reduced environmental impact, and lower water usage. As these technologies progress, Australian lithium producers can reduce production costs and increase supply, positioning the country as a leader in sustainable lithium sourcing for both local and international markets. Researchers in Australia have also pioneered a new technology for extracting lithium from hard-to-process sources like saltwater, using a nanofiltration system that selectively separates lithium and tackles magnesium removal, addressing potential lithium supply shortages by 2025.

Opportunities in the Australia Lithium Market Sustainability is a growing trend in the Australia lithium market as both consumers and investors increasingly prioritise environmentally responsible practices. Australian producers are working to reduce their carbon footprint by adopting cleaner energy, improving waste management, and using water more efficiently. Companies are also strengthening their environmental, social, and governance (ESG) practices to meet global sustainability standards. As the world transitions to a green economy, responsibly sourced lithium will be key to maintaining Australia's position as a reliable supplier in the global market. In December 2024, Export Finance Australia (EFA) approved USD 196 million in debt financing for Vulcan Energy to support Phase One of its Lionheart project, pending final due diligence and legal agreements. Market Restraints The Australia lithium market faces challenges such as environmental concerns, including deforestation and water depletion, which have led to stricter regulations, increasing costs and delays. The sector lacks sufficient domestic processing infrastructure, relying on overseas facilities, which risks supply chain disruptions. Price volatility, competition from other lithium producers, and high operational costs impact profitability, particularly for smaller companies. In September 2024, the cost of the main lithium compound dropped by over 75% since June 2023, due to falling electric vehicle sales and a global lithium ore oversupply. This decline severely impacted Australia, the world's largest lithium ore producer, accounting for 52% of global production. Additionally, limited access to financing, geopolitical risks, skilled worker shortages, public opposition, and supply chain disruptions hinder growth. To overcome these issues, investments in sustainable practices, local processing capacity, improved infrastructure, and better supply chain management are needed. Addressing public concerns and fostering a skilled workforce can also support long-term industry stability. "Australia Lithium Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments: Market Breakup by Type- Alloy- Compound??- Hydroxide??- Carbonate??- Chloride- Metal Market Breakup by Application??????- Consumer Goods- Grease- Automotive- Grid Storage- Air Treatment- Pharmaceuticals- Others Market Breakup by End Use- Consumer Electronics- Industrial- Automotive- Medical- Energy Storage- Others Market Breakup by Region- New South Wales- Victoria- Queensland- Australian Capital Territory- Western Australia- Others Australia Lithium Market Share Market Analysis by Type According to the Australia lithium market analysis, the sector is driven by alloys, especially lithium alloys, which significantly enhance the performance and longevity of lithium-ion batteries. In the Australian lithium market, the

use of these alloys improves energy density and efficiency, making them crucial for electric vehicles and renewable energy storage, thus supporting the green economy transition. Opportunities in the Australia lithium market are strengthened by the growing demand for lithium compounds like lithium carbonate and lithium hydroxide, which are vital for producing lithium-ion batteries. This rising demand bolsters the local industry, accelerates export growth, and stimulates economic development, benefiting from the global shift towards electric vehicles and energy storage technologies. Market Analysis by Application According to the Australia lithium market report, the market is significantly driven by the automotive sector's need for lithium-ion batteries, crucial for electric vehicles (EVs). As the demand for EVs rises, Australia's rich lithium resources solidify its position as a major global supplier, stimulating economic growth and job creation. In November 2024, GAC (Guangzhou Automobile Corporation) revealed plans to enter the Australian market in 2025, showcasing its advanced electric vehicles at the Mobility Live event in Melbourne. This expansion aligns with GAC's strategy to meet Australia's increasing demand for EVs. The demand for the Australia lithium market is driven by its crucial role in grid storage for renewable energy. Lithium-ion batteries efficiently store solar and wind energy, ensuring a reliable power supply. As the need for energy storage grows, Australia's lithium market flourishes, aiding the transition to a sustainable, low-carbon energy system. The South Australian government has announced the installation of the world's largest lithium-ion battery, developed with Tesla and Noen. With a 100MW capacity, this battery will supply power to 30,000 homes during blackouts, surpassing California's 80MWh facility. It will be located near wind farms. Market Analysis by End Use The growth of the Australian lithium market is driven by increasing use in medical treatments, particularly for bipolar disorder. Lithium compounds are essential in stabilising mood and managing psychiatric conditions, with rising mental health awareness boosting demand for lithium-based medications. Lithium is effective for both acute mania and long-term mood stabilisation, with a favourable efficacy-tolerability balance compared to other mood stabilisers. The Australia lithium market also flourishes due to its pivotal role in energy storage, particularly through lithium-ion batteries. These batteries are crucial for storing renewable energy, ensuring consistent power supply during peak demand or outages. The growing need for sustainable energy systems drives the expansion of lithium-based storage solutions. In January 2025, Rio Tinto announced a significant investment in expanding its lithium operations, including a major project in Argentina to produce battery-grade lithium carbonate by 2028, aiming to meet rising energy storage demands. Australia Lithium Market Regional Insights New South Wales Lithium Market Overview New South Wales is benefiting from its growing lithium reserves, attracting investments, and advancing exploration initiatives. This growth contributes to the state's green economy transition, creating jobs and reinforcing Australia's role as a major lithium supplier. The NSW Government has also launched funding for lithium exploration through its Critical Minerals and High-Tech Metals Activation Fund to support regional exploration efforts. Queensland Lithium Market Trends Queensland is seizing the growing demand for lithium through significant investments in exploration and infrastructure. The state's proximity to Asian markets offers export opportunities, while its commitment to sustainable mining practices enhances its global supply chain role. The Queensland New-Industry Development Strategy aims to generate USD 1.3 billion in economic activity and create 9,100 jobs by 2030. Western Australia Lithium Market Dynamics Western Australia leads the lithium market due to its vast reserves and advanced mining operations. The state plays a key role in global lithium supply, boosting job creation and infrastructure development. With a 5% royalty rate on lithium concentrate, lithium generated 7% of the state's royalty revenue in 2022-23, strengthening its export position. Competitive Landscape The Australia lithium market key players focus on exploring and developing critical minerals, particularly lithium, to meet the growing global demand for electric vehicle (EV) batteries and renewable energy storage. Their strategic projects aim to contribute to the green economy by tapping into Australia's abundant mineral resources. Committed to sustainable and environmentally responsible mining practices, these companies prioritise minimising environmental impact while maximising resource potential. With an emphasis on efficient exploration and development, they aim to play a pivotal role in the global lithium supply chain, supporting the transition towards a low-carbon future. Key Industry Players MetalsGrove Limited: Headquartered in Perth, Australia, MetalsGrove Limited, established in 2021, is a resource development company focused on the exploration and production of critical minerals. The company is dedicated to advancing projects related to lithium, aiming to meet the growing global demand for sustainable energy solutions, particularly in battery manufacturing. MinRex Resources Limited: MinRex Resources Limited, established in 2011 and based in Perth, Australia, is a mineral exploration company. The firm focuses on the discovery and development of lithium, gold, and other critical mineral projects in Australia. MinRex aims to capitalise on the increasing demand for resources used in clean energy technologies. Liontown Resources Limited: Liontown Resources Limited, founded in 2006 and based in Perth, Australia, is a leading

lithium-focused mining company. The company's flagship asset is the Kathleen Valley Lithium Project, and it is committed to becoming a major supplier of sustainable lithium to the global market, particularly in the electric vehicle sector. Tianqi Lithium Holding Pty Ltd: Tianqi Lithium Holding Pty Ltd, headquartered in Perth, Australia, was established in 2007 as a subsidiary of Tianqi Lithium Corporation, a global leader in lithium production. The company focuses on lithium extraction and processing, contributing to the growing demand for the mineral used in electric vehicle batteries and renewable energy storage. Another key player in the Australia lithium market report is Lithium Metal Australia, among others. Recent Developments November 2024 The Government of Western Australia launched the Lithium Industry Support program to assist lithium miners and processing plants following a price dip. The AUD 150 million package, offering fee waivers and an AUD 50 million loan facility, aims to protect jobs and sustain operations until prices recover within two years. August 2024 M2i Global and Next-Gen Energy Technology advanced their collaboration to establish Australia's first Lithium (NCA) cathode materials plant outside China. The facility, based on an August 2024 agreement, aims for 10,000 tons/year production by 2026, generating USD 140 million in revenue. The 10-year deal represents a USD 1.4 billion opportunity.

Table of Contents:

1 Executive Summary
1.1 Market Size 2024-2025
1.2 Market Growth 2025(F)-2034(F)
1.3 Key Demand Drivers
1.4 Key Players and Competitive Structure
1.5 Industry Best Practices
1.6 Recent Trends and Developments
1.7 Industry Outlook
2 Market Overview and Stakeholder Insights
2.1 Market Trends
2.2 Key Verticals
2.3 Key Regions
2.4 Supplier Power
2.5 Buyer Power
2.6 Key Market Opportunities and Risks
2.7 Key Initiatives by Stakeholders
3 Economic Summary
3.1 GDP Outlook
3.2 GDP Per Capita Growth
3.3 Inflation Trends
3.4 Democracy Index
3.5 Gross Public Debt Ratios
3.6 Balance of Payment (BoP) Position
3.7 Population Outlook
3.8 Urbanisation Trends
4 Country Risk Profiles
4.1 Country Risk
4.2 Business Climate
5 Asia Pacific Lithium Market Overview
5.1 Key Industry Highlights
5.2 Asia Pacific Lithium Historical Market (2018-2024)
5.3 Asia Pacific Lithium Market Forecast (2025-2034)
6 Australia Lithium Market Overview

- 6.1 Key Industry Highlights
- 6.2 Australia Lithium Market Historical Market (2018-2024)
- 6.3 Australia Lithium Market Forecast (2025-2034)
- 7 Australia Lithium Market by Type
 - 7.1 Alloy
 - 7.1.1 Historical Trend (2018-2024)
 - 7.1.2 Forecast Trend (2025-2034)
 - 7.2 Compound
 - 7.2.1 Historical Trend (2018-2024)
 - 7.2.2 Forecast Trend (2025-2034)
 - 7.2.3 Breakup by Type
 - 7.2.3.1 Hydroxide
 - 7.2.3.2 Carbonate
 - 7.2.3.3 Chloride
 - 7.3 Metal
 - 7.3.1 Historical Trend (2018-2024)
 - 7.3.2 Forecast Trend (2025-2034)
- 8 Australia Lithium Market by Application
 - 8.1 Consumer Goods
 - 8.1.1 Historical Trend (2018-2024)
 - 8.1.2 Forecast Trend (2025-2034)
 - 8.2 Grease
 - 8.2.1 Historical Trend (2018-2024)
 - 8.2.2 Forecast Trend (2025-2034)
 - 8.3 Automotive
 - 8.3.1 Historical Trend (2018-2024)
 - 8.3.2 Forecast Trend (2025-2034)
 - 8.4 Grid Storage
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)
 - 8.5 Air Treatment
 - 8.5.1 Historical Trend (2018-2024)
 - 8.5.2 Forecast Trend (2025-2034)
 - 8.6 Pharmaceuticals
 - 8.6.1 Historical Trend (2018-2024)
 - 8.6.2 Forecast Trend (2025-2034)
 - 8.7 Others
- 9 Australia Lithium Market by End Use
 - 9.1 Consumer Electronics
 - 9.1.1 Historical Trend (2018-2024)
 - 9.1.2 Forecast Trend (2025-2034)
 - 9.2 Industrial
 - 9.2.1 Historical Trend (2018-2024)
 - 9.2.2 Forecast Trend (2025-2034)
 - 9.3 Automotive
 - 9.3.1 Historical Trend (2018-2024)
 - 9.3.2 Forecast Trend (2025-2034)

- 9.4 Medical
 - 9.4.1 Historical Trend (2018-2024)
 - 9.4.2 Forecast Trend (2025-2034)
- 9.5 Energy Storage
 - 9.5.1 Historical Trend (2018-2024)
 - 9.5.2 Forecast Trend (2025-2034)
- 9.6 Others

10 Australia Lithium Market by Region

- 10.1 New South Wales
 - 10.1.1 Historical Trend (2018-2024)
 - 10.1.2 Forecast Trend (2025-2034)
- 10.2 Victoria
 - 10.2.1 Historical Trend (2018-2024)
 - 10.2.2 Forecast Trend (2025-2034)
- 10.3 Queensland
 - 10.3.1 Historical Trend (2018-2024)
 - 10.3.2 Forecast Trend (2025-2034)
- 10.4 Australian Capital Territory
 - 10.4.1 Historical Trend (2018-2024)
 - 10.4.2 Forecast Trend (2025-2034)
- 10.5 Western Australia
 - 10.5.1 Historical Trend (2018-2024)
 - 10.5.2 Forecast Trend (2025-2034)
- 10.6 Others

11 Market Dynamics

- 11.1 SWOT Analysis
 - 11.1.1 Strengths
 - 11.1.2 Weaknesses
 - 11.1.3 Opportunities
 - 11.1.4 Threats
- 11.2 Porter's Five Forces Analysis
 - 11.2.1 Supplier's Power
 - 11.2.2 Buyer's Power
 - 11.2.3 Threat of New Entrants
 - 11.2.4 Degree of Rivalry
 - 11.2.5 Threat of Substitutes
- 11.3 Key Indicators for Demand
- 11.4 Key Indicators for Price

12 Competitive Landscape

- 12.1 Supplier Selection
- 12.2 Key Global Players
- 12.3 Key Regional Players
- 12.4 Key Player Strategies
- 12.5 Company Profiles
 - 12.5.1 MetalsGrove Limited
 - 12.5.1.1 Company Overview
 - 12.5.1.2 Product Portfolio

12.5.1.3 Demographic Reach and Achievements

12.5.1.4 Certifications

12.5.2 MinRex Resources Limited

12.5.2.1 Company Overview

12.5.2.2 Product Portfolio

12.5.2.3 Demographic Reach and Achievements

12.5.2.4 Certifications

12.5.3 Liontown Resources Limited

12.5.3.1 Company Overview

12.5.3.2 Product Portfolio

12.5.3.3 Demographic Reach and Achievements

12.5.3.4 Certifications

12.5.4 Tianqi Lithium Holding Pty Ltd

12.5.4.1 Company Overview

12.5.4.2 Product Portfolio

12.5.4.3 Demographic Reach and Achievements

12.5.4.4 Certifications

12.5.5 Lithium Metal Australia

12.5.5.1 Company Overview

12.5.5.2 Product Portfolio

12.5.5.3 Demographic Reach and Achievements

12.5.5.4 Certifications

12.5.6 Others

13 Key Trends and Developments in the Market

Australia Lithium Market Growth Analysis - Forecast Trends, Market Size, Share and Outlook (2025-2034)

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