

South America Electric Vehicle Battery Manufacturing Equipment - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The South America Electric Vehicle Battery Manufacturing Equipment Market size is estimated at USD 0.05 million in 2025, and is expected to reach USD 0.11 million by 2030, at a CAGR of 19.14% during the forecast period (2025-2030).

Key Highlights

- Over the medium term, factors such as the increasing adoption of electric vehicles in the region coupled with the abundance of raw materials in the region are expected to be among the most significant drivers for the South American Electric Vehicle Battery Manufacturing Equipment Market during the forecast period.
- On the other hand, established battery markets such as Asia Pacific are competing. This poses a threat to the South American Electric Vehicle Battery Manufacturing Equipment Market during the forecast period.
- Nevertheless, continued efforts to create collaborations and partnerships between South American countries are expected to create several opportunities for the market in the future.
- Brazil is expected to dominate the market and will likely register the highest growth during the forecast period due to the government's rising efforts to establish battery manufacturing and the growing adoption of electric vehicles.

South America Electric Vehicle Battery Manufacturing Equipment Market Trends

Lithium-ion Battery to Witness Significant Growth

- As South America increasingly embraces sustainable transportation and invests in green technologies, the region's lithium-ion

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battery market for electric vehicle (EV) manufacturing is set for significant growth. Renowned for their high energy density, long cycle life, and lightweight nature, lithium-ion batteries have emerged as the top choice for electric vehicles. This surge in preference is driving a heightened demand for specialized manufacturing equipment tailored for these batteries.

- As automakers expand their electric vehicle offerings to align with stringent emissions regulations and growing consumer demand for eco-friendly options, this trend shows no signs of slowing. Lithium-ion chemistry stands out in the electric vehicle realm, boasting advantages like high energy density, extended cycle life, and a lower self-discharge rate when stacked against other battery technologies.
- Technical data sheets highlight that lithium-ion batteries achieve a specific energy density between 90 to 190 Wh/kg. This achievement is noteworthy: lithium-ion batteries deliver energy densities nearly 2.5 times that of lead-acid counterparts and over 1.5 times that of NiMH batteries. Such superior performance cements lithium-ion batteries' growing preference across diverse applications.
- In South America, Brazil, Chile, and Argentina are emerging as pivotal players in the electric vehicle landscape. Bolstered by government incentives and policies targeting carbon emission reductions, these nations are not only rich in lithium resources-crucial for lithium-ion batteries-but are also strategically enhancing their local manufacturing capabilities to carve a niche in the global supply chain.
- Highlighting this momentum, Argentina's first lithium battery plant, a venture by Y-TEC (a subsidiary of the Argentine state oil firm YPF), is set to kick off operations in September 2023. This plant will harness lithium sourced locally from Livent Corp, a US entity, which inked a supply agreement earlier this year.
- Such strides are poised to reshape the Electric Vehicle Battery Manufacturing Equipment Market in Argentina. By bolstering local production and curbing reliance on imports, the market stands on the brink of growth, fueled by surging demand for domestically produced batteries and equipment. This move dovetails seamlessly with Argentina's ambition to solidify its stature in the global electric vehicle supply chain.
- Given these dynamics, the lithium-ion battery segment is primed to lead the market during the forecast period.

Brazil to Dominate the Market

- Brazil leads South America in the electric vehicle battery manufacturing equipment market, propelled by strategic economic policies, rich natural resources, and a rising domestic demand for sustainable transportation. As the region's largest economy, Brazil's industrial sector is poised to benefit from the global pivot towards electric mobility, bolstered by substantial investments from both the government and private entities in local manufacturing.
- Brazil's northeastern states boast extensive lithium reserves, a crucial component for lithium-ion batteries. These reserves not only cater to the surging electric vehicle demand but also position Brazil to lessen its dependence on imported batteries and components, boosting its global market competitiveness.
- According to the Energy Institute Statistical Review of World Energy, Brazil's lithium reserves reached 4.9 thousand tonnes in 2023, up from 2.6 thousand tonnes in 2022, marking a remarkable 88.5% growth. This surge highlights Brazil's significant lithium reserves, a boon for the expanding battery material market, especially for electric vehicles.
- The Brazilian government has rolled out policies to promote electric vehicle adoption, including tax breaks, purchase subsidies, and charging infrastructure investments. These initiatives aim to invigorate the local electric vehicle market and attract manufacturers to establish production facilities in Brazil.
- In December 2023, the Brazilian government unveiled a provisional measure with fresh directives for the automotive sector. These directives not only set sustainability goals for fleets but also offer incentives to nurture innovative technologies. For 2024, the tax incentive for companies focusing on decarbonization and meeting program criteria is pegged at USD 700 million.
- This incentive is slated to grow: USD 761 million in 2025, USD 780 million in 2026, USD 800 million in 2027, and peak at USD 820 million in 2028. These amounts will be transformed into financial credits, with the program anticipated to distribute credits surpassing USD 3.9 billion. For perspective, the Rota 2030 program averaged annual incentives of USD 340 million until 2022.

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- Given these developments, Brazil is poised for substantial growth in the coming years.

South America Electric Vehicle Battery Manufacturing Equipment Industry Overview

The South America Electric Vehicle Battery Manufacturing Equipment Market is moderately consolidated. Some of the key players in this market (in no particular order) are Duerr AG, Schuler AG, Hitachi Ltd., Xiamen Tmax Battery Equipments Limited, and ACEY New Energy Technology.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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