

France Rechargeable Battery - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The France Rechargeable Battery Market size is estimated at USD 4.46 billion in 2025, and is expected to reach USD 9.87 billion by 2030, at a CAGR of 17.25% during the forecast period (2025-2030).

Key Highlights

- Over the medium term, declining lithium-ion battery prices, increasing adoption of electric vehicles, and the growing renewable energy sector aided by government are expected to drive the France rechargeable battery market during the forecast period.
- On the other hand, the demand-supply mismatch of raw materials, and the safety issues related to battery technologies are likely to hinder the market's growth during the forecast period.
- Nevertheless, the growing progress in developing new battery technologies and advanced battery chemistries will likely create opportunities for the France rechargeable battery market.

France Rechargeable Battery Market Trends

Automotive Batteries Segment to Witness Significant Growth

- In France, automotive applications are poised to dominate the rechargeable batteries market. As electric vehicles (EVs) gain traction in the country, the demand for rechargeable batteries, particularly lithium-ion types, is set to surge.
- Moreover, lead-acid batteries power the starting, lighting, and ignition (SLI) accessories in vehicles. These SLI batteries provide the crucial initial power burst needed to start an engine. Being smaller and lighter than deep-cycle batteries, their demand is

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projected to persist, bolstering the French rechargeable battery market.

- Data from the International Organization of Motor Vehicle Manufacturers (OICA) reveals that France sold over 2.20 million new motor vehicles in 2023, marking a 14.67% jump from 2022's 1.92 million and a 3.12% rise from 2021's 2.14 million. This uptick in vehicle sales is expected to further drive the adoption of rechargeable batteries in automotive applications.
- Furthermore, the French automotive sector has witnessed a notable uptick in the adoption of electric vehicle (EV). The International Energy Agency (IEA) reported that battery electric vehicle (BEV) sales in France hit approximately 310,000 units in 2023, a robust 47% increase from 2022's 210,000 units. This rapid EV adoption is set to fuel the demand for rechargeable batteries in France.
- In May 2024, the French government challenged its carmakers to produce two million electric or hybrid vehicles by 2030, despite fierce competition from China. As part of a new medium-term agreement, the industry targets 800,000 electric vehicle sales by 2027, a significant jump from 200,000 in 2022. Furthermore, carmakers aim to boost annual sales of electric light utility vehicles to 100,000, up from 16,500 in 2022.
- To further bolster EV production and purchases, the French government allocated EUR 1.5 billion (USD 1.6 billion) in 2024. While nearly 20% of new cars sold in France are electric, only 12% are domestically produced. The government-industry agreement also envisions 400,000 charging points by 2030 and 25,000 quick charging points by 2027, strategically located along major routes and in major cities. These initiatives are poised to significantly boost the demand for rechargeable batteries, especially lithium-ion types, in the coming years.
- In May 2023, Stellantis, in collaboration with TotalEnergies and Mercedes-Benz, inaugurated the Automotive Cells Company's (ACC) battery gigafactory in Billy-Berclau Douvrin, France. This marks the first of three planned gigafactories in Europe. Starting with a production line capacity of 13 gigawatt-hours (GWh), set to expand to 40GWh by 2030, the facility aims to produce high-performance lithium-ion batteries with a minimal CO2 footprint. This gigafactory aligns with Stellantis' ambitious target of achieving a 250 GWh battery manufacturing capacity in Europe by 2030.
- In January 2024, ProLogium Technology Co., a Taiwanese electric vehicle battery manufacturer, announced plans to commence mass production at its new French factory in 2027, with aspirations for an initial public offering. Earlier in 2023, French President Emmanuel Macron highlighted ProLogium's significant EUR 5.2 billion (USD 5.67 billion) investment in a Dunkirk-based battery factory, further solidifying France's emerging status as a hub for Europe's electric car industry. These strategic moves underscore France's commitment to advancing in the rechargeable battery domain.
- Given these developments, the automotive segment is set for rapid expansion in France's rechargeable battery market.

Growing Adoption of Renewable Energy Sector To Drive the Market

- France's increasing embrace of renewable energy is set to significantly propel the rechargeable batteries market. The International Renewable Energy Agency (IRENA) reported that France's cumulative renewable energy capacity hit approximately 69.3 GW in 2023, marking a 7% rise from 2022. As France leans into solar and wind energy, the demand for efficient battery energy storage systems (BESS) surges, which is crucial for balancing the intermittent nature of these sources. Lithium-ion batteries, a key player in this scenario, store excess energy during peak production and release it when demand spikes or production wanes.
- France's ambitious energy transition projects, aiming for an 80% reduction in greenhouse gas emissions by 2050 (relative to 1990 levels), are set to drive the BESS market. Additionally, a new law mandates a reduction in nuclear energy consumption from 75% to 50% by 2035. This shift is poised to bolster renewable energy initiatives, compensating for the diminished nuclear output. Such moves not only attract investments in renewables but also underscore the urgent need for advanced battery energy storage systems, amplifying the demand for cutting-edge rechargeable batteries.
- In September 2023, Q ENERGY kicked off the "Merbette" energy storage project at the Emile Huchet power plant in Saint-Avoid, France. With a capacity of 35 MW and 44 MWh, the system can meet the daily electricity needs of about 10,000 residents. Featuring 24 state-of-the-art battery containers, this project symbolizes the energy storage sector's growth, aiding in renewable

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energy integration and contributing to a greener energy mix.

- Moreover, several companies have unveiled new battery energy storage projects. In December 2022, Tesla provided a 196 MWh battery system to Electricite de France, linking it to a solar power plant. In August 2022, BayWa r.e. was selected by the Haute-Saintonge Community to establish a solar and battery storage facility, featuring a 40MWp PV park and an annual output of 52 GWh.
- The interplay between renewable energy adoption and battery technology advancements is creating a vibrant market landscape. Companies are heavily investing in R&D to devise efficient, durable, and cost-effective battery solutions. This commitment to innovation is vital for overcoming energy storage challenges and achieving France's ambitious renewable energy goals.
- In May 2024, Skeleton Technologies announced its expansion into France's Occitanie region, committing EUR 600 million over five years. Kicking off its expansion, Skeleton is initiating R&D in Toulouse for next-gen battery tech. Following this, they'll establish a manufacturing unit in Occitanie for their "SuperBattery." Focusing on high-power, fast-charging energy storage, Skeleton's products cater to diverse sectors, from EVs to aerospace, emphasizing CO2 reduction and energy conservation.
- In April 2024, Schneider Electric unveiled its latest Battery Energy Storage System (BESS). Integrated into microgrid systems, BESS captures and stores energy from various sources for future use. As a unique Distributed Energy Resource (DER), BESS supports a wide array of energy applications, from demand-charge reduction to renewable self-consumption.
- In summary, as France strides towards a sustainable, low-carbon energy future, the synergy between renewable energy adoption and the demand for reliable energy storage is poised to be a major catalyst for the rechargeable batteries market.

France Rechargeable Battery Industry Overview

The France rechargeable battery market is semi-fragmented. Some of the key players in the market (not in any particular order) include Saft Groupe SAS, LG Energy Solution Ltd., AESC Group Ltd., Automotive Cells Company (ACC), and GS Yuasa Corporation.

Additional Benefits:

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

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