

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

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Report description:

The Italy SLI Battery Market size is estimated at USD 0.79 billion in 2025, and is expected to reach USD 0.94 billion by 2030, at a CAGR of 3.67% during the forecast period (2025-2030).

Key Highlights

- Over the medium term, factors such as the growing automotive industry in the region and the increasing adoption of SLI batteries in industrial applications are expected to be among the most significant drivers for the Italian SLI battery market during the forecast period.
- On the other hand, there is increasing competition from alternate battery chemistries that pose a threat to the market's growth during the forecast period.
- Nevertheless, continued efforts to conduct research and development regarding SLI batteries are expected to create several future market opportunities.

Italy SLI Battery Market Trends

The Automotive Segment is Expected to Witness Significant Growth

- Automotive represents a crucial end-user segment for the Italy SLI battery market. This segment encompasses a wide range of vehicles, including passenger cars, commercial vehicles, and motorcycles, all of which rely heavily on SLI batteries for their essential functions. In Italy, a country renowned for its automotive heritage and production, the demand for high-quality SLI

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batteries remains consistently strong.

- For example, data from the International Organization of Motor Vehicle Manufacturers highlighted a notable upswing in vehicle manufacturing in Italy. This surge could be attributed to the increase in demand for vehicles and increased citizens' disposable incomes. Specifically, between 2022 and 2023, production saw a remarkable uptick of over 10.5%, with an average annual growth rate of 3.3%. This growth positively impacted the market for SLI batteries, as the increased vehicle production led to higher demand for these essential automotive components.
- The passenger car category plays a dominant role in shaping the market. With a growing emphasis on vehicle electrification and the gradual shift toward hybrid and electric vehicles, the requirements for SLI batteries in conventional internal combustion engine (ICE) vehicles continue to evolve.
- While the transition to electric mobility is underway, ICE vehicles still constitute a significant portion of the Italian automotive market, ensuring a steady demand for SLI batteries. Moreover, the increasing integration of advanced technologies and features in modern vehicles has led to heightened power requirements, prompting the development of more robust and efficient SLI batteries to meet these demands.
- For instance, in December 2023, Valeo's Pianezza and Santena sites announced their focus on developing and producing distinctive products. Pianezza specializes in lighting, while Santena is dedicated to human-machine interfaces. Specifically, Valeo will be developing and producing a range of human-machine interface technologies, including panel controls, touch screens, switches, and paddle gear shifts, catering to a wide array of car brands. Additionally, these sites are involved in the development and production of SLI batteries, which are essential for vehicle performance and reliability.
- The growth of e-commerce and last-mile delivery services has further bolstered the demand for light commercial vehicles, indirectly driving the need for reliable SLI batteries. Additionally, the ongoing efforts to modernize and expand Italy's public transportation infrastructure have contributed to increased demand for SLI batteries in the bus and coach industry, where battery reliability is paramount for ensuring uninterrupted service and passenger safety.
- Therefore, as per the points mentioned above, the automotive end-user segment is expected to witness significant growth during the forecast period.

Competition From Alternative Battery Technology to Restrain Market Growth

- The market faces increasing competition from alternative battery technologies, which is expected to significantly restrain its growth in the coming years. This competition primarily stems from advancements in lithium-ion battery technology and the gradual shift toward vehicle electrification. As the automotive industry undergoes a transformative phase, moving away from traditional internal combustion engines toward hybrid and fully electric powertrains, the demand for conventional lead-acid SLI batteries is under pressure.
- Lithium-ion batteries, known for their higher energy density, longer lifespan, and faster charging capabilities, are becoming increasingly viable alternatives for vehicle starting and auxiliary power functions. While initially more expensive, the declining costs of lithium-ion technology, coupled with its performance advantages, are making it an attractive option for automakers and consumers alike. This trend is particularly pronounced in the premium and luxury vehicle segments, where the additional cost of advanced battery systems can be more easily absorbed.
- In recent years, the price of lithium-ion batteries and cell packs has been on the decline, which has made them more attractive to end-user industries. After experiencing slight price hikes in 2022, battery prices again declined in 2023. The cost of lithium-ion battery packs decreased by 14% to reach a historic low of USD 139/kWh. This reduction can be attributed to decreases in raw material and component prices and an expansion in production capacity throughout the battery value chain.
- The rising adoption of start-stop technology in conventional vehicles presents another challenge to the traditional SLI battery market in Italy. Start-stop systems, which automatically shut off the engine when the vehicle is stationary and restart it when needed, require more robust battery performance to handle frequent cycling.
- While enhanced flooded batteries (EFB) and absorbent glass mat (AGM) lead-acid batteries have been developed to meet these

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demands, lithium-ion batteries are increasingly being considered for this application due to their superior cycle life and charge acceptance. As start-stop systems become more prevalent across vehicle classes in response to stringent emissions regulations and fuel efficiency standards, the market share of conventional SLI batteries may decrease in favor of more advanced technologies.

- The development of advanced energy storage systems for vehicles is more comprehensive than lithium-ion technology. Research into alternative battery chemistries, such as solid-state batteries, lithium-sulfur batteries, and sodium-ion batteries, is progressing rapidly. While these technologies still need to be commercially viable for widespread automotive use, they hold the promise of even greater energy density, safety, and performance compared to current lithium-ion batteries.
- For instance, in February 2024, FAAM, an Italian battery manufacturer headquartered in Teverola, disclosed its collaboration with a military submarine program, offering its LFP batteries and cutting-edge BMS technology. These advancements are pivotal in Italy's latest submarine venture, the U212 NFS. As per OCCAR, the lithium battery system's trials underscored heightened operational efficiency, enhanced propulsion, extended endurance, lowered maintenance needs, and top-tier onboard safety protocols.
- Therefore, as mentioned above, the penetration of alternative battery technology is expected to restrain the market's growth during the forecast period.

Italy SLI Battery Industry Overview

The Italian SLI battery market is semi-fragmented. Some of the key players in this market (in no particular order) include Sunlight Group, FAAM, Midac SpA, Accumulatori Ariete S.R.L., and Exide Technologies.

Additional Benefits:

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

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