

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

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Report description:

The Italy Rechargeable Battery Market size is estimated at USD 3.22 billion in 2025, and is expected to reach USD 7.04 billion by 2030, at a CAGR of 16.96% during the forecast period (2025-2030).

Key Highlights

- Over the medium term, rising electric vehicle (EV) production and declining lithium-ion battery prices are expected to drive the demand for rechargeable batteries during the forecast period.
- On the other hand, the lack of raw material reserves can significantly restrain the growth of the rechargeable battery market.
- Nevertheless, the growing adoption of wearable devices like smartwatches, wireless earphones, smart bands, and more are expected to create significant opportunities for rechargeable battery market players in the near future.

Italy Rechargeable Battery Market Trends

Lithium-Ion Battery Type Dominate the Market

- Lithium-ion rechargeable batteries, celebrated for their myriad advantages, find extensive applications across diverse sectors. Their ascent as a trusted and efficient medium for electrical energy storage is noteworthy. A standout feature of lithium-ion batteries is their impressive energy density, allowing them to pack substantial power into a compact, lightweight form.
- Italy's lithium-ion rechargeable battery market is a dynamic arena, brimming with both opportunities and challenges. Thanks to their superior capacity-to-weight ratio, lithium-ion batteries are outpacing other technologies in popularity. While lithium-ion

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batteries typically command a premium price compared to their counterparts, leading market players are heavily investing in R&D and scaling operations. This intensified competition has not only bolstered battery performance but also contributed to a downward trend in lithium-ion battery prices.

- In 2023, driven by rising average battery pack prices in electric vehicles (EVs) and battery energy storage systems (BESS), battery prices saw a notable dip, settling at USD 139/kWh, marking a decline of over 13%. With the ramp-up of extraction and refining capacities, lithium prices are projected to stabilize, aiming for the USD 100/kWh mark by 2026.
- Central to many Battery Energy Storage Systems (BESS), lithium-ion rechargeable batteries shine with their high energy density, rapid charging, and extended cycle life. These attributes make them prime candidates for efficient energy storage and release in BESS applications. Companies in the region are actively collaborating with leading organizations to bolster BESS initiatives.
- As an illustration, in December 2023, Octopus Energy Generation, a British renewable energy firm, forged a joint venture with Next Capital Partners. Their ambitious goal is to roll out 1.5 GW of commercial-scale battery storage systems nationwide. This initiative is poised to bolster regional storage capabilities, addressing the surging energy demand in the years ahead, and subsequently driving up the demand for lithium-ion rechargeable batteries.
- Italy's commitment to renewable energy sources, notably solar and wind, is evident. Lithium-ion batteries are pivotal in harnessing and storing this renewable energy, ensuring consistent power supply despite weather variances. With ambitious targets set for 2030, the country's renewable energy sector is poised for heightened investments.
- Highlighting this momentum, in March 2023, Edison unveiled a EUR 5 billion investment in renewables, aiming for a 6 GW capacity by 2030. Similarly, in January 2023, Solarig and Alantra's collaboration on the 1.9 GW solar PV venture, N-Sun Energy, underscores the focus on Southern Europe, with a significant 50 plants slated for completion in Italy by 2025.
- These undertakings not only promise to amplify renewable energy output in the region but also signal a burgeoning demand for lithium-ion rechargeable batteries in the foreseeable future.

Automobile Segment to Witness Significant Growth

- For a long time, vehicles relied solely on internal combustion engines (ICE). However, as environmental concerns grow, there's a noticeable shift towards electric vehicles (EV). Predominantly, EVs utilize lithium-ion rechargeable batteries, favored for their high energy density, lightweight nature, minimal self-discharge, and low maintenance needs.
- Plug-in hybrids and electric vehicles are powered by lithium-ion battery systems. Thanks to their rapid recharge capability and high energy density, lithium-ion batteries uniquely satisfy OEM demands for both driving range and charging time. In contrast, lead-based traction batteries fall short for full hybrids or electric vehicles, given their heavier weight and lower specific energy.
- Italy is seeing a steady uptick in electric vehicle adoption. Data from the International Energy Agency (IEA) reveals that in 2023, Italy sold 136,000 electric vehicles, marking a 19.3% increase from 2022. Projections indicate a significant surge in EV sales in the coming years.
- Italy is championing electric vehicles (EVs) as a step towards sustainable transportation. By bolstering EV adoption and investing in charging infrastructure, Italy aligns with the global shift towards a greener future.
- In a notable move, Italy unveiled in February 2024 a substantial 950 million euro (USD 1 billion) subsidy initiative. This aims to facilitate the transition to cleaner cars (EVs) and invigorate the auto sector. Specifically, Rome is offering subsidies of up to 13,750 euros to lower earners, aiding their purchase of new fully electric vehicles priced up to 35,000 euros, excluding VAT.
- Moreover, the government is making significant investments in the region's charging infrastructure. Highlighting this commitment, a January 2023 announcement detailed plans for over 21,000 charging stations by 2026. The National Recovery and Resilience Plan envisions "around 6 million EVs by 2030" and "31,500 public fast charging points" to align with European decarbonization goals.
- Such proactive government measures are poised to bolster EV sales, expand charging infrastructure, and subsequently elevate the demand for rechargeable batteries in the forecast period.

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Italy Rechargeable Battery Industry Overview

The Italy rechargeable Battery is semi-fragmented. Some of the key players (not in particular order) are BYD Company Ltd, Duracell Inc., Exide Industries Ltd, EnerSys, and Panasonic Holdings Corporation, among others.

Additional Benefits:

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

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