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Global Batteries for Active RFID Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Batteries for Active RFID market size is expected to reach $ 320 million by 2032, rising at a market growth of 7.1% CAGR during the forecast period (2026-2032). Batteries for Active RFID are dedicated power sources used in active radio frequency identification tags to enable continuous signal transmission, long-range communication, and onboard sensing or data logging functions. In 2025, the average global unit price is approximately US$0.45 per unit, with annual global sales volume and production both estimated at around 420 million units. The industry typically maintains a gross margin range of 35%?55%, supported by lithium chemistry specialization, long-life performance requirements, customized form factors, and reliability demands in industrial and logistics environments. The supply chain includes upstream lithium materials, electrolytes, separators, metal casings, and safety components; midstream manufacturers focus on cell design, sealing, capacity calibration, reliability testing, and packaging; downstream users include active RFID tag manufacturers, asset tracking solution providers, logistics operators, industrial automation users, and cold-chain monitoring system integrators. The Batteries for Active RFID market has been experiencing steady growth in recent years. Active RFID (Radio Frequency Identification) technology is widely used in various industries for tracking and monitoring assets, inventory, and personnel in real-time. Batteries are an essential component of active RFID tags, providing the power required for continuous transmission and reception of signals.In 2025, the market for batteries used in active RFID systems demonstrates stable volume growth driven by asset digitalization, smart logistics deployment, and industrial traceability requirements. Unlike consumer battery markets, demand is highly application-driven, with strong emphasis on service life, discharge stability, and environmental tolerance. Qualification cycles with RFID tag makers and solution providers are relatively long, resulting in stable supplier relationships and limited short-term substitution, which supports margin sustainability despite moderate unit pricing.

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This report studies the global Batteries for Active RFID production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Batteries for Active RFID and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Batteries for Active RFID that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Batteries for Active RFID total production and demand, 2021-2032, (K Units)
Global Batteries for Active RFID total production value, 2021-2032, (USD Million)
Global Batteries for Active RFID production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global Batteries for Active RFID consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: Batteries for Active RFID domestic production, consumption, key domestic manufacturers and share
Global Batteries for Active RFID production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global Batteries for Active RFID production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global Batteries for Active RFID production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Batteries for Active RFID market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Murata Manufacturing Co.,Ltd., Panasonic Corporation, Tadiran Batteries, VARTA Microbattery, Maxell Holdings, Ltd., Duracell Inc., Ultralife Corporation, Saft Groupe S.A., Energizer Holdings, Inc., GP Batteries International Limited, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Batteries for Active RFID market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

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Global Batteries for Active RFID Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Batteries for Active RFID Market, Segmentation by Type:

Lithium Thionyl Chloride

Lithium Manganese Dioxide

Lithium Carbon Fluoride

Global Batteries for Active RFID Market, Segmentation by Discharge Mode:

Continuous Low Drain

Pulse Discharge

Global Batteries for Active RFID Market, Segmentation by Service Life:

? 3 Years

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3?5 Years

? 5 Years

Global Batteries for Active RFID Market, Segmentation by Application:

Medical

Architecture

Transportation

Other

Companies Profiled:

Murata Manufacturing Co.,Ltd.

Panasonic Corporation

Tadiran Batteries

VARTA Microbattery

Maxell Holdings, Ltd.

Duracell Inc.

Ultralife Corporation

Saft Groupe S.A.

Energizer Holdings, Inc.

GP Batteries International Limited

EVE Energy Co.,Ltd.

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Renata SA

Sony Corporation

Toshiba Corporation

Spectrum Brands, Inc.

XenoEnergy Co.Ltd.

FDK

Key Questions Answered:

1. How big is the global Batteries for Active RFID market?
2. What is the demand of the global Batteries for Active RFID market?
3. What is the year over year growth of the global Batteries for Active RFID market?
4. What is the production and production value of the global Batteries for Active RFID market?
5. Who are the key producers in the global Batteries for Active RFID market?
6. What are the growth factors driving the market demand?

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