

Absorbent Glass Mat (AGM) Battery Market Size Analysis - Market Share, Forecast Trends and Outlook Report (2025-2034)

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Report description:

The global absorbent glass mat (AGM) battery market was valued at USD 12.74 Billion in 2024 . It is expected to grow at a CAGR of 5.20% from 2025 to 2034, reaching approximately USD 21.15 Billion by 2034 .

Europe Expected to be a Key Contributor in the Global Market for Absorbent Glass Mat (AGM) Battery

Europe is projected to have a major share in the global market for absorbent glass mat (AGM) battery owing to the implementation of strict environmental regulations and the manufacture of cars with start-stop functions. Minimal maintenance and higher efficiency are expected to contribute to the growth of the absorbent glass mat battery industry. Moreover, rapid industrialisation and the growing demand for advanced technology are expected to spur the growth of the market growth, especially in the Asia Pacific, one of the fastest-growing regions. China is expected to hold a major share in the Asia Pacific market, owing to the presence of leading manufacturers in the region.

Absorbent Glass Mat (AGM) Battery: Market Segmentation

Absorbent glass mat (AGM) battery is a modern technology battery used to power various automotive components. The electrolyte is suspended between the glass mat and battery plates, and the amount is kept minimal. These batteries are far more efficient than normal lead batteries, owing to their design and construction, resistance to vibrations, and no spillage.

By type, the market can be bifurcated into:

- Stationary
- Motive

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Based on output capacity, the market can be divided into:

- 2-6V
- 6-8V
- 12V and others

By distribution channel, the market is segmented into:

- OEM
- Aftersales

By end use, the market can be divided into:

- Automobile
- Inverters
- Energy Sector
- Marine
- Others

The regional markets for the product include:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Efficiency of Absorbent Glass Mat (AGM) Batteries Over Lead Batteries is Driving the Market Growth

Favourable characteristics of absorbent glass mat (AGM) batteries, like longer battery life, vibration resistance, start-stop applications, high electrical loads, quick recharges, and long lifecycles are driving the global market growth of absorbent glass mat battery. The market is expected to register significant growth owing to the demand for efficient batteries. Stringent CO2 emission norms by governments across the globe are providing further impetus to the market growth. In addition, absorbent glass mat batteries find applications in high-end and advanced fuel-efficient vehicles with large power demands. This, in turn, is expected to bolster the market growth.

Key Industry Players in the Global Absorbent Glass Mat (AGM) Battery Market

The report gives a detailed analysis of the following key players in the global absorbent glass mat (AGM) battery market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Clarios
- Exide Technologies
- Power Sonic Corporation
- Panasonic Corporation
- East Penn Manufacturing Company

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- Enersys
- EC&D Technologies, Inc
- Robert Bosch GmbH
- Trojan Battery Company
- Defender Industries
- Others

The comprehensive EMR report provides an in-depth assessment of the industry based on Porter's five forces model, along with giving a SWOT analysis.

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