

# Asia Pacific Large Scale Medium Voltage Drives Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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## Abstracts

Asia Pacific Large Scale Medium Voltage Drives Market was valued at USD 705.6 million in 2024 and is estimated to grow at a CAGR of 6.1% to reach USD 1.27 billion by 2034.

The industry growth is primarily driven by rapid industrial automation, modernization of production processes, and increasing focus on improving energy efficiency and operational reliability. Industrial players are prioritizing automation and intelligent control systems to enhance productivity, reduce equipment downtime, and lower maintenance costs. Continuous advancements in drive technology, coupled with the integration of smart sensors and real-time monitoring systems, are enabling more precise control of motor operations. Rising environmental concerns and stringent government regulations are also motivating industries to adopt cleaner and more sustainable solutions. The growing implementation of large-scale medium voltage drives supports not only energy conservation but also operational flexibility, as these systems enable improved performance and long service life. The ongoing shift from conventional drives to advanced digital systems integrated with Industrial Internet of Things (IIoT) technologies is further optimizing industrial performance, strengthening efficiency, and driving overall business growth across diverse sectors in the region.

The pump segment is anticipated to grow at a CAGR of 6% through 2034, supported by the increasing adoption of energy-efficient equipment and demand for reduced power consumption under variable load conditions. Industrial automation and smart manufacturing are playing a pivotal role in accelerating product demand as companies integrate medium voltage drives into pump systems for enhanced performance. These systems offer precise flow regulation, IIoT connectivity, and intelligent real-time

monitoring, making them indispensable in critical industrial operations focused on performance optimization and energy management.

The mining and metals segment held a 26.6% share in 2024 and is projected to grow at a CAGR of 5.8% by 2034. Growth in this segment is fueled by ongoing infrastructure development, industrial expansion, and stringent environmental regulations that encourage the use of clean and efficient technologies. Supportive government initiatives, favorable investment policies, and continuous technological innovation are enhancing the adoption of variable frequency drives within the mining and metals industries, ensuring improved productivity and sustainability across operations.

China Large Scale Medium Voltage Drives Market held 47.2% share in 2024, generating USD 332.9 million. The country's industrial growth, coupled with large-scale adoption of energy-efficient motor control systems in sectors such as power generation, oil and gas, and water treatment, continues to drive demand. Furthermore, national policies promoting decarbonization and the rapid expansion of smart grid infrastructure are reinforcing market development. The modernization of infrastructure and technological advancements in automation, paired with a strong emphasis on reducing energy use, are creating a favorable environment for the widespread deployment of medium voltage drives in industrial operations.

Major companies operating in the Asia Pacific Large Scale Medium Voltage Drives Market include Siemens, ABB, Schneider Electric, Rockwell Automation, GE Vernova, Fuji Electric, TMEIC, Danfoss, Eaton, WEG, Yaskawa Electric Corporation, Nidec Corporation, CG Power & Industrial Solutions, Invertek Drives, Triol Corporation, Hiconics Eco-energy Technology, Ingeteam Power Technology, NOKER Electric, Shenzhen INVT Electric Co., Ltd., Amtech, and Veikong Electric. Leading manufacturers in the Asia Pacific Large Scale Medium Voltage Drives Market are emphasizing technological innovation, regional expansion, and strategic collaborations to strengthen their competitive position. Many are investing in advanced drive technologies that integrate AI, IoT, and predictive analytics to improve system efficiency, performance monitoring, and fault detection. Partnerships with industrial automation firms and end-user industries are helping companies co-develop customized drive solutions for specific applications such as mining, water treatment, and manufacturing.

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