

Asia Pacific Variable Frequency Drives Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 to 2034

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Abstracts

Asia Pacific Variable Frequency Drives Market, valued at USD 10 billion in 2024, is projected to grow at a CAGR of 4.4% from 2025 to 2034. The market expansion is fueled by increasing demand for energy-efficient solutions and the enforcement of stringent energy consumption regulations by authorities across the region. VFDs help optimize motor speed control, reduce energy wastage, and improve automation, which collectively enhances industrial processes and energy efficiency.

The region's industrial development, particularly in emerging economies, is a major driver of the VFD market. The push for emissions reduction and the rising adoption of motor control devices in various industrial applications further bolster the market growth trajectory. As industries prioritize sustainability, VFDs are becoming an essential component of modern operations.

The low-voltage drives segment is expected to generate USD 13.7 billion by 2034. Technological advancements, including rapid control mechanisms for motor operations and improved manufacturing processes, are driving this segment. The growing emphasis on energy-efficient systems to enhance energy security and optimize consumption influences market dynamics. Increased investments in research and development, coupled with the integration of advanced technologies to meet regulatory standards, are strengthening the outlook for low-voltage drives.

Meanwhile, the AC drives segment is anticipated to register a CAGR of 4.5% through 2034. The rising need for stable and reliable power supply solutions, combined with strict energy efficiency mandates, is accelerating the adoption of these drives. Industrial development in emerging markets and the focus on cost-effective motor control

solutions contribute to the segment's growth. AC drives' ability to minimize energy usage and deliver financial savings enhances their appeal across industries.

China is expected to help in the Asia Pacific VFD market, with its value projected to reach USD 6.8 billion by 2034. The country's rapid industrialization, energy-intensive operations, and strong regulatory focus on energy efficiency drive product adoption. The growing emphasis on digital transformation, automation, and renewable energy production fuels demand. Additionally, favorable government policies aimed at reducing energy consumption and improving efficiency are shaping the market landscape.

The Asia Pacific VFD market is poised for sustained growth as industries increasingly adopt energy-efficient technologies to meet regulatory requirements and optimize operational efficiency. This trend underscores the region's commitment to advancing sustainable industrial practices.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 INDUSTRY INSIGHTS

- 2.1 Industry ecosystem analysis
- 2.2 Regulatory landscape
- 2.3 Industry impact forces
 - 2.3.1 Growth drivers
 - 2.3.2 Industry pitfalls & challenges
- 2.4 Growth potential analysis
- 2.5 Porter's analysis
 - 2.5.1 Bargaining power of suppliers
 - 2.5.2 Bargaining power of buyers
 - 2.5.3 Threat of new entrants
 - 2.5.4 Threat of substitutes
- 2.6 PESTEL analysis

CHAPTER 3 COMPETITIVE LANDSCAPE, 2024

- 3.1 Introduction
- 3.2 Strategic dashboard
- 3.3 Innovation & sustainability landscape

CHAPTER 4 MARKET SIZE AND FORECAST, BY VOLTAGE, 2021 – 2034 (USD MILLION, '000 UNITS)

4.1 Key trends

4.2 Low

4.3 Medium

CHAPTER 5 MARKET SIZE AND FORECAST, BY DRIVE, 2021 – 2034 (USD MILLION, '000 UNITS)

5.1 Key trends

5.2 AC

5.3 DC

5.4 Servo

CHAPTER 6 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 – 2034 (USD MILLION, '000 UNITS)

6.1 Key trends

6.2 Pump

6.3 Fan

6.4 Conveyor

6.5 Compressor

6.6 Extruder

6.7 Others

CHAPTER 7 MARKET SIZE AND FORECAST, BY END-USE, 2021 – 2034 (USD MILLION, '000 UNITS)

7.1 Key trends

7.2 Oil & gas

7.3 Power generation

7.4 Mining & metals

7.5 Pulp & paper

7.6 Marine

7.7 Others

CHAPTER 8 MARKET SIZE AND FORECAST, BY COUNTRY, 2021 – 2034 (USD MILLION, '000 UNITS)

8.1 Key trends

8.2 China

- 8.3 Japan
- 8.4 India
- 8.5 Australia
- 8.6 South Korea

CHAPTER 9 COMPANY PROFILES

- 9.1 ABB
- 9.2 Bonfiglioli
- 9.3 CG Power
- 9.4 Danfoss
- 9.5 Eaton
- 9.6 Emerson
- 9.7 Fuji Electric
- 9.8 GE Vernova
- 9.9 Hiconics
- 9.10 Hitachi
- 9.11 Invertek Drives
- 9.12 Johnson Controls
- 9.13 Nidec
- 9.14 Rockwell Automation
- 9.15 Schneider Electric
- 9.16 Siemens
- 9.17 Teco
- 9.18 TMEIC
- 9.19 WEG
- 9.20 Yaskawa

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