

Global Power Electronics for Electric Vehicles Market Research Report 2022 Professional Edition

<https://marketpublishers.com/r/G13271957158EN.html>

Date: January 2022

Pages: 123

Price: US\$ 2,890.00 (Single User License)

ID: G13271957158EN

Abstracts

The global Power Electronics for Electric Vehicles market was valued at 402.84 Million USD in 2021 and will grow with a CAGR of 5.67% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

To control the flow of energy, the switching electronic circuits are used. These switching electronic circuits are called power electronics. Power electronics are also considered for the conversion of electric power. Such conversions are performed by semiconductor devices like diodes, transistors and thyristors etc. Power electronics devices have several advantages including optimum forward and reverse backing capabilities, simplified circuits, compact designs etc. Moreover, power electronics find its applications in connection of renewable energy resources to power grids, transportation in electric trains, motor drives and lighting. The major use of power electronics devices is heat sinking as well as soft starting of equipment deploying power electronic devices. This report only covers electric vehicles segment. The Power Electronics for Electric Vehicles industry is relatively concentrated, and high-end products mainly come from Europe and Japan. The global Revenue of Power Electronics for Electric Vehicles is about 3900 M USD, the biggest production regions is in Europe, China is the largest production growth rate region; The largest consumption region is also the Europe, China has largest consumption growth rate. From the initial, the R & D costs is very high, so the gross margin is minus, in a very long period of time, they are in a loss of

state, the price is very high than the similar performance, the average price depends on the product type structure;

By Market Vendors:

Infineon Technologies

Mitsubishi Electric

Fuji Electric

SEMIKRON

ON Semiconductor

Renesas Electronics

Vishay Intertechnology

Texas Instruments

Toshiba

Stmicroelectronics

NXP Semiconductors

Microsemi Corporation

By Types:

Power IC

Power Module

Power Discrete

By Applications:

HEV

EV

PHEV

Key Indicators Analysed

Market Players & Competitor Analysis: The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

Global and Regional Market Analysis: The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

Market Trends: Market key trends which include Increased Competition and Continuous Innovations.

Opportunities and Drivers: Identifying the Growing Demands and New Technology

Porters Five Force Analysis: The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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