

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Power Electronics for Electric Vehicles Market 2018, Forecast to 2023

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Abstracts

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.

Scope of the Report:

This report focuses on the Power Electronics for Electric Vehicles in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

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;

The worldwide market for Power Electronics for Electric Vehicles is expected to grow at a CAGR of roughly 5.4% over the next five years, will reach 5650 million US\$ in 2023, from 4110 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Infineon Technologies

Mitsubishi Electric

Fuji Electric

SEMIKRON

ON Semiconductor

Renesas Electronics

Vishay Intertechnology

Texas Instruments

Toshiba

Stmicroelectronics

NXP Semiconductors

Microsemi Corporation

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Power IC

Power Module

Power Discrete

Market Segment by Applications, can be divided into

HEV

EV

PHEV

There are 15 Chapters to deeply display the global Power Electronics for Electric Vehicles market.

Chapter 1, to describe Power Electronics for Electric Vehicles Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Power Electronics for Electric Vehicles, with sales, revenue, and price of Power Electronics for Electric Vehicles, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Power Electronics for Electric Vehicles, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these

regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Power Electronics for Electric Vehicles market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Power Electronics for Electric Vehicles sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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