

# 2018 Top 5 Power Electronics for Electric Vehicles Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

<https://marketpublishers.com/r/2726F101174EN.html>

Date: June 2018

Pages: 142

Price: US\$ 4,960.00 (Single User License)

ID: 2726F101174EN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

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;

Over the next five years, LPI(LP Information) projects that Power Electronics for Electric Vehicles will register a 5.4% CAGR in terms of revenue, reach US\$ 5650 million by 2023, from US\$ 4110 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

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, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Chile, Peru and Argentina)

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

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Power IC

Power Module

Power Discrete

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

HEV

EV

PHEV

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