

# North America Power Electronics for Electric Vehicles Market by Manufacturers, Countries, Type and Application, Forecast to 2022

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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 North America market, especially in United States, Canada and Mexico. This report categorizes the market based on manufacturers, countries, type and application.

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 Countries, covering               |
| United States                                       |
| Canada  |
| Mexico  |
| 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 North America Power Electronics for Electric Vehicles market.

Chapter 1, to describe Power Electronics for Electric Vehicles Introduction, product type and application, market overview, market analysis by countries, market opportunities, market risk, market driving force;

Chapter 2, to analyze the manufacturers of Power Electronics for Electric Vehicles, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

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

Chapter 4, to show the North America market by countries, covering United States, Canada and Mexico, with sales, revenue and market share of Power Electronics for Electric Vehicles, for each country, from 2012 to 2017;

Chapter 5 and 6, to show the market by type and application, with sales, price, revenue, market share and growth rate by type, application, from 2012 to 2017;

Chapter 7, 8 and 9, to analyze the segment market in United States, Canada and Mexico, by manufacturers, type and application, with sales, price, revenue and market share by manufacturers, types and applications;

Chapter 10, Power Electronics for Electric Vehicles market forecast, by countries, type and application, with sales, price and revenue, from 2017 to 2022;

Chapter 11, to analyze the manufacturing cost, key raw materials and manufacturing process etc.

Chapter 12, to analyze the industrial chain, sourcing strategy and downstream end users (buyers);



Chapter 13, to describe sales channel, distributors, traders, dealers etc.

Chapter 14 and 15, to describe Power Electronics for Electric Vehicles Research Findings and Conclusion, Appendix, methodology and data source



### **Contents**

#### 1 MARKET OVERVIEW

- 1.1 Power Electronics for Electric Vehicles Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 Power IC
  - 1.2.2 Power Module
  - 1.2.3 Power Discrete
- 1.3 Market Analysis by Applications
  - 1.3.1 HEV
  - 1.3.2 EV
  - 1.3.3 PHEV
- 1.4 Market Analysis by Countries
- 1.4.1 United States Status and Prospect (2012-2022)
- 1.4.2 Mexico Status and Prospect (2012-2022)
- 1.4.3 Canada Status and Prospect (2012-2022)
- 1.5 Market Dynamics
  - 1.5.1 Market Opportunities
  - 1.5.2 Market Risk
  - 1.5.3 Market Driving Force

### **2 MANUFACTURERS PROFILES**

- 2.1 Infineon Technologies
  - 2.1.1 Profile
  - 2.1.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.1.2.1 Type
    - 2.1.2.2 Type
  - 2.1.3 Infineon Technologies Power Electronics for Electric Vehicles Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

- 2.1.4 Business Overview
- 2.1.5 Infineon Technologies News
- 2.2 Mitsubishi Electric
  - 2.2.1 Profile
  - 2.2.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.2.2.1 Type
    - 2.2.2.2 Type
- 2.2.3 Mitsubishi Electric Power Electronics for Electric Vehicles Sales, Price, Revenue,



Gross Margin and Market Share (2016-2017)

- 2.2.4 Business Overview
- 2.2.5 Mitsubishi Electric News
- 2.3 Fuji Electric
  - 2.3.1 Profile
  - 2.3.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.3.2.1 Type
    - 2.3.2.2 Type
- 2.3.3 Fuji Electric Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.3.4 Business Overview
  - 2.3.5 Fuji Electric News
- 2.4 SEMIKRON
  - 2.4.1 Profile
  - 2.4.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.4.2.1 Type
    - 2.4.2.2 Type
  - 2.4.3 SEMIKRON Power Electronics for Electric Vehicles Sales, Price, Revenue,

Gross Margin and Market Share (2016-2017)

- 2.4.4 Business Overview
- 2.4.5 SEMIKRON News
- 2.5 ON Semiconductor
  - 2.5.1 Profile
  - 2.5.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.5.2.1 Type
    - 2.5.2.2 Type
  - 2.5.3 ON Semiconductor Power Electronics for Electric Vehicles Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

- 2.5.4 Business Overview
- 2.5.5 ON Semiconductor News
- 2.6 Renesas Electronics
  - 2.6.1 Profile
  - 2.6.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.6.2.1 Type
    - 2.6.2.2 Type
  - 2.6.3 Renesas Electronics Power Electronics for Electric Vehicles Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

- 2.6.4 Business Overview
- 2.6.5 Renesas Electronics News



- 2.7 Vishay Intertechnology
  - 2.7.1 Profile
  - 2.7.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.7.2.1 Type
    - 2.7.2.2 Type
  - 2.7.3 Vishay Intertechnology Power Electronics for Electric Vehicles Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

- 2.7.4 Business Overview
- 2.7.5 Vishay Intertechnology News
- 2.8 Texas Instruments
  - 2.8.1 Profile
  - 2.8.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.8.2.1 Type
    - 2.8.2.2 Type
  - 2.8.3 Texas Instruments Power Electronics for Electric Vehicles Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

- 2.8.4 Business Overview
- 2.8.5 Texas Instruments News
- 2.9 Toshiba
  - 2.9.1 Profile
  - 2.9.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.9.2.1 Type
    - 2.9.2.2 Type
- 2.9.3 Toshiba Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.9.4 Business Overview
  - 2.9.5 Toshiba News
- 2.10 Stmicroelectronics
  - 2.10.1 Profile
  - 2.10.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.10.2.1 Type
    - 2.10.2.2 Type
  - 2.10.3 Stmicroelectronics Power Electronics for Electric Vehicles Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

- 2.10.4 Business Overview
- 2.10.5 Stmicroelectronics News
- 2.11 NXP Semiconductors
  - 2.11.1 Profile
  - 2.11.2 Power Electronics for Electric Vehicles Type and Applications



- 2.11.2.1 Type
- 2.11.2.2 Type
- 2.11.3 NXP Semiconductors Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.11.4 Business Overview
- 2.11.5 NXP Semiconductors News
- 2.12 Microsemi Corporation
  - 2.12.1 Profile
  - 2.12.2 Power Electronics for Electric Vehicles Type and Applications
    - 2.12.2.1 Type
    - 2.12.2.2 Type
- 2.12.3 Microsemi Corporation Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.12.4 Business Overview
- 2.12.5 Microsemi Corporation News

# 3 NORTH AMERICA POWER ELECTRONICS FOR ELECTRIC VEHICLES MARKET COMPETITION, BY MANUFACTURER

- 3.1 North America Power Electronics for Electric Vehicles Sales and Market Share by Manufacturer (2016-2017)
- 3.2 North America Power Electronics for Electric Vehicles Revenue and Market Share by Manufacturer (2016-2017)
- 3.3 North America Power Electronics for Electric Vehicles Price by Manufacturers (2016-2017)
- 3.4 Market Concentration Rate
  - 3.4.1 Top 3 Power Electronics for Electric Vehicles Manufacturer Market Share
  - 3.4.2 Top 5 Power Electronics for Electric Vehicles Manufacturer Market Share
- 3.5 Market Competition Trend

### 4 NORTH AMERICA POWER ELECTRONICS FOR ELECTRIC VEHICLES MARKET ANALYSIS BY COUNTRIES

- 4.1 North America Power Electronics for Electric Vehicles Sales Market Share by Countries
- 4.2 North America Power Electronics for Electric Vehicles Sales by Countries (2012-2017)
- 4.3 North America Power Electronics for Electric Vehicles Revenue (Value) by Countries (2012-2017)



### 5 NORTH AMERICA MARKET SEGMENTATION POWER ELECTRONICS FOR ELECTRIC VEHICLES BY TYPE

- 5.1 North America Power Electronics for Electric Vehicles Sales, Revenue and Market Share by Type (2012-2017)
- 5.1.1 North America Power Electronics for Electric Vehicles Sales and Market Share by Type (2012-2017)
- 5.1.2 North America Power Electronics for Electric Vehicles Revenue and Market Share by Type (2012-2017)
- 5.2 Power IC Sales Growth and Price
  - 5.2.1 North America Power IC Sales Growth (2012-2017)
  - 5.2.2 North America Power IC Price (2012-2017)
- 5.3 Power Module Sales Growth and Price
  - 5.3.1 North America Power Module Sales Growth (2012-2017)
  - 5.3.2 North America Power Module Price (2012-2017)
- 5.4 Power Discrete Sales Growth and Price
  - 5.4.1 North America Power Discrete Sales Growth (2012-2017)
  - 5.4.2 North America Power Discrete Price (2012-2017)

### 6 NORTH AMERICA MARKET SEGMENTATION POWER ELECTRONICS FOR ELECTRIC VEHICLES BY APPLICATION

- 6.1 North America Power Electronics for Electric Vehicles Sales Market Share by Application (2012-2017)
- 6.2 HEV Sales Growth (2012-2017)
- 6.3 EV Sales Growth (2012-2017)
- 6.4 PHEV Sales Growth (2012-2017)

# 7 UNITED STATES POWER ELECTRONICS FOR ELECTRIC VEHICLES SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

- 7.1 United States Power Electronics for Electric Vehicles Revenue, Sales and Growth Rate (2012-2017)
- 7.2 United States Power Electronics for Electric Vehicles Sales and Market Share by Type
- 7.3 United States Power Electronics for Electric Vehicles Sales by Application (2012-2017)
- 7.4 United States Power Electronics for Electric Vehicles Sales, Revenue and Market



### Share by Manufacturer

- 7.4.1 United States Power Electronics for Electric Vehicles Sales and Market Share by Manufacturer
- 7.4.2 United States Power Electronics for Electric Vehicles Revenue and Market Share by Manufacturer
- 7.5 United States Power Electronics for Electric Vehicles Export and Import (2012-2017)

## 8 CANADA POWER ELECTRONICS FOR ELECTRIC VEHICLES SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

- 8.1 Canada Power Electronics for Electric Vehicles Revenue, Sales and Growth Rate (2012-2017)
- 8.2 Canada Power Electronics for Electric Vehicles Sales and Market Share by Type
- 8.3 Canada Power Electronics for Electric Vehicles Sales by Application (2012-2017)
- 8.4 Canada Power Electronics for Electric Vehicles Sales, Revenue and Market Share by Manufacturer
- 8.4.1 Canada Power Electronics for Electric Vehicles Sales and Market Share by Manufacturer
- 8.4.2 Canada Power Electronics for Electric Vehicles Revenue and Market Share by Manufacturer
- 8.5 Canada Power Electronics for Electric Vehicles Export and Import (2012-2017)

# 9 MEXICO POWER ELECTRONICS FOR ELECTRIC VEHICLES SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

- 9.1 Mexico Power Electronics for Electric Vehicles Revenue, Sales and Growth Rate (2012-2017)
- 9.2 Mexico Power Electronics for Electric Vehicles Sales and Market Share by Type
- 9.3 Mexico Power Electronics for Electric Vehicles Sales by Application (2012-2017)
- 9.4 Mexico Power Electronics for Electric Vehicles Sales, Revenue and Market Share by Manufacturer
- 9.4.1 Mexico Power Electronics for Electric Vehicles Sales and Market Share by Manufacturer
- 9.4.2 Mexico Power Electronics for Electric Vehicles Revenue and Market Share by Manufacturer
- 9.5 Mexico Power Electronics for Electric Vehicles Export and Import (2012-2017)

# 10 POWER ELECTRONICS FOR ELECTRIC VEHICLES MARKET FORECAST (2017-2022)



- 10.1 North America Power Electronics for Electric Vehicles Sales, Revenue and Growth Rate (2017-2022)
- 10.2 Power Electronics for Electric Vehicles Market Forecast by Countries (2017-2022)
- 10.2.1 United States Power Electronics for Electric Vehicles Forecast (2017-2022)
- 10.2.2 Canada Power Electronics for Electric Vehicles Forecast (2017-2022)
- 10.2.3 Mexico Power Electronics for Electric Vehicles Forecast (2017-2022)
- 10.3 Power Electronics for Electric Vehicles Market Forecast by Type (2017-2022)
- 10.4 Power Electronics for Electric Vehicles Market Forecast by Application (2017-2022)

### 11 POWER ELECTRONICS FOR ELECTRIC VEHICLES MANUFACTURING COST ANALYSIS

- 11.1 Power Electronics for Electric Vehicles Key Raw Materials Analysis
  - 11.1.1 Key Raw Materials
  - 11.1.2 Price Trend of Key Raw Materials
  - 11.1.3 Key Suppliers of Raw Materials
  - 11.1.4 Market Concentration Rate of Raw Materials
- 11.2 Proportion of Manufacturing Cost Structure
  - 11.2.1 Raw Materials
  - 11.2.2 Labor Cost
  - 11.2.3 Manufacturing Expenses
- 11.3 Manufacturing Process Analysis of Power Electronics for Electric Vehicles

### 12 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 12.1 Power Electronics for Electric Vehicles Industrial Chain Analysis
- 12.2 Upstream Raw Materials Sourcing
- 12.3 Raw Materials Sources of Power Electronics for Electric Vehicles Major Manufacturers in 2016
- 12.4 Downstream Buyers

### 13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

- 13.1 Sales Channel
  - 13.1.1 Direct Marketing
  - 13.1.2 Indirect Marketing
  - 13.1.3 Marketing Channel Future Trend



### 13.2 Distributors, Traders and Dealers

### 14 RESEARCH FINDINGS AND CONCLUSION

### **15 APPENDIX**

- 15.1 Methodology
- 15.2 Analyst Introduction
- 15.3 Data Source



### **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Power Electronics for Electric Vehicles Picture

Table Product Specifications of Power Electronics for Electric Vehicles

Figure North America Sales Market Share of Power Electronics for Electric Vehicles by Types in 2016

Table Types of Power Electronics for Electric Vehicles

Figure Power IC Picture

Table Major Manufacturers of Power IC

Figure Power Module Picture

Table Major Manufacturers of Power Module

Figure Power Discrete Picture

Table Major Manufacturers of Power Discrete

Table North America Power Electronics for Electric Vehicles Sales Market Share by Applications in 2016

Table Applications of Power Electronics for Electric Vehicles

Figure HEV Picture

Figure EV Picture

Figure PHEV Picture

Figure United States Power Electronics for Electric Vehicles Revenue (Million USD) and Growth Rate (2012-2022)

Figure Mexico Power Electronics for Electric Vehicles Revenue (Million USD) and Growth Rate (2012-2022)

Figure Canada Power Electronics for Electric Vehicles Revenue (Million USD) and Growth Rate (2012-2022)

Table Infineon Technologies Basic Information, Manufacturing Base and Competitors Table Infineon Technologies Power Electronics for Electric Vehicles Type and Applications

Table Infineon Technologies Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Mitsubishi Electric Basic Information, Manufacturing Base and Competitors
Table Mitsubishi Electric Power Electronics for Electric Vehicles Type and Applications
Table Mitsubishi Electric Power Electronics for Electric Vehicles Sales, Price, Revenue,
Gross Margin and Market Share (2016-2017)

Table Fuji Electric Basic Information, Manufacturing Base and Competitors

Table Fuji Electric Power Electronics for Electric Vehicles Type and Applications

Table Fuji Electric Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross



Margin and Market Share (2016-2017)

Table SEMIKRON Basic Information, Manufacturing Base and Competitors
Table SEMIKRON Power Electronics for Electric Vehicles Type and Applications
Table SEMIKRON Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table ON Semiconductor Basic Information, Manufacturing Base and Competitors
Table ON Semiconductor Power Electronics for Electric Vehicles Type and Applications
Table ON Semiconductor Power Electronics for Electric Vehicles Sales, Price,
Revenue, Gross Margin and Market Share (2016-2017)

Table Renesas Electronics Basic Information, Manufacturing Base and Competitors Table Renesas Electronics Power Electronics for Electric Vehicles Type and Applications

Table Renesas Electronics Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Vishay Intertechnology Basic Information, Manufacturing Base and Competitors Table Vishay Intertechnology Power Electronics for Electric Vehicles Type and Applications

Table Vishay Intertechnology Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Texas Instruments Basic Information, Manufacturing Base and Competitors
Table Texas Instruments Power Electronics for Electric Vehicles Type and Applications
Table Texas Instruments Power Electronics for Electric Vehicles Sales, Price, Revenue,
Gross Margin and Market Share (2016-2017)

Table Toshiba Basic Information, Manufacturing Base and Competitors
Table Toshiba Power Electronics for Electric Vehicles Type and Applications
Table Toshiba Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross
Margin and Market Share (2016-2017)

Table Stmicroelectronics Basic Information, Manufacturing Base and Competitors
Table Stmicroelectronics Power Electronics for Electric Vehicles Type and Applications
Table Stmicroelectronics Power Electronics for Electric Vehicles Sales, Price, Revenue,
Gross Margin and Market Share (2016-2017)

Table NXP Semiconductors Basic Information, Manufacturing Base and Competitors Table NXP Semiconductors Power Electronics for Electric Vehicles Type and Applications

Table NXP Semiconductors Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Microsemi Corporation Basic Information, Manufacturing Base and Competitors Table Microsemi Corporation Power Electronics for Electric Vehicles Type and Applications



Table Microsemi Corporation Power Electronics for Electric Vehicles Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table North America Power Electronics for Electric Vehicles Sales by Manufacturer (2016-2017)

Figure North America Power Electronics for Electric Vehicles Sales Market Share by Manufacturer in 2016

Figure North America Power Electronics for Electric Vehicles Sales Market Share by Manufacturer in 2017

Table North America Power Electronics for Electric Vehicles Revenue by Manufacturer (2016-2017)

Figure North America Power Electronics for Electric Vehicles Revenue Market Share by Manufacturer in 2016

Figure North America Power Electronics for Electric Vehicles Revenue Market Share by Manufacturer in 2017

Table North America Power Electronics for Electric Vehicles Price by Manufacturers (2016-2017)

Figure Top 3 Power Electronics for Electric Vehicles Manufacturer Market Share in 2016

Figure Top 3 Power Electronics for Electric Vehicles Manufacturer Market Share in 2017

Figure Top 5 Power Electronics for Electric Vehicles Manufacturer Market Share in 2016

Figure Top 5 Power Electronics for Electric Vehicles Manufacturer Market Share in 2017

Figure North America Power Electronics for Electric Vehicles Sales and Growth (2012-2017)

Table North America Power Electronics for Electric Vehicles Sales by Countries (2012-2017)

Table North America Power Electronics for Electric Vehicles Sales Market Share by Countries (2012-2017)

Figure North America 2012 Power Electronics for Electric Vehicles Sales Market Share by Countries

Figure North America 2016 Power Electronics for Electric Vehicles Sales Market Share by Countries

Figure North America Power Electronics for Electric Vehicles Revenue and Growth (2012-2017)

Table North America Power Electronics for Electric Vehicles Revenue by Countries (2012-2017)

Table North America Power Electronics for Electric Vehicles Revenue Market Share by



Countries (2012-2017)

Table North America 2012 Power Electronics for Electric Vehicles Revenue Market Share by Countries

Table North America 2016 Power Electronics for Electric Vehicles Revenue Market Share by Countries

Table North America Power Electronics for Electric Vehicles Sales by Type (2012-2017) Table North America Power Electronics for Electric Vehicles Sales Share by Type (2012-2017)

Table North America Power Electronics for Electric Vehicles Revenue by Type (2012-2017)

Table North America Power Electronics for Electric Vehicles Revenue Share by Type (2012-2017)

Figure North America Power IC Sales Growth (2012-2017)

Figure North America Power IC Price (2012-2017)

Figure North America Power Module Sales Growth (2012-2017)

Figure North America Power Module Price (2012-2017)

Figure North America Power Discrete Sales Growth (2012-2017)

Figure North America Power Discrete Price (2012-2017)

Table North America Power Electronics for Electric Vehicles Sales by Application (2012-2017)

Table North America Power Electronics for Electric Vehicles Sales Share by Application (2012-2017)

Figure North America HEV Sales Growth (2012-2017)

Figure North America EV Sales Growth (2012-2017)

Figure North America PHEV Sales Growth (2012-2017)

Figure United States Power Electronics for Electric Vehicles Revenue and Growth (2012-2017)

Figure United States Power Electronics for Electric Vehicles Sales and Growth (2012-2017)

Table United States Power Electronics for Electric Vehicles Sales by Type (2012-2017) Table United States Power Electronics for Electric Vehicles Sales Market Share by Type (2012-2017)

Table United States Power Electronics for Electric Vehicles Sales by Application (2012-2017)

Table United States Power Electronics for Electric Vehicles Sales Market Share by Application (2012-2017)

Table United States Power Electronics for Electric Vehicles Sales by Manufacturer (2016-2017)

Figure United States Power Electronics for Electric Vehicles Sales Market Share by



Manufacturer in 2016

Figure United States Power Electronics for Electric Vehicles Sales Market Share by Manufacturer in 2017

Table United States Power Electronics for Electric Vehicles Revenue by Manufacturer (2016-2017)

Figure United States Power Electronics for Electric Vehicles Revenue Market Share by Manufacturer in 2016

Figure United States Power Electronics for Electric Vehicles Revenue Market Share by Manufacturer in 2017

Table United States Power Electronics for Electric Vehicles Export and Import (2012-2017)

Figure Canada Power Electronics for Electric Vehicles Revenue and Growth (2012-2017)

Figure Canada Power Electronics for Electric Vehicles Sales and Growth (2012-2017)
Table Canada Power Electronics for Electric Vehicles Sales by Type (2012-2017)
Table Canada Power Electronics for Electric Vehicles Sales Market Share by Type

(2012-2017)

Table Canada Power Electronics for Electric Vehicles Sales by Application (2012-2017)
Table Canada Power Electronics for Electric Vehicles Sales Market Share by
Application (2012-2017)

Table Canada Power Electronics for Electric Vehicles Sales by Manufacturer (2016-2017)

Figure Canada Power Electronics for Electric Vehicles Sales Market Share by Manufacturer in 2016

Figure Canada Power Electronics for Electric Vehicles Sales Market Share by Manufacturer in 2017

Table Canada Power Electronics for Electric Vehicles Revenue by Manufacturer (2016-2017)

Figure Canada Power Electronics for Electric Vehicles Revenue Market Share by Manufacturer in 2016

Figure Canada Power Electronics for Electric Vehicles Revenue Market Share by Manufacturer in 2017

Table Canada Power Electronics for Electric Vehicles Export and Import (2012-2017) Figure Mexico Power Electronics for Electric Vehicles Revenue and Growth (2012-2017)

Figure Mexico Power Electronics for Electric Vehicles Sales and Growth (2012-2017)
Table Mexico Power Electronics for Electric Vehicles Sales by Type (2012-2017)
Table Mexico Power Electronics for Electric Vehicles Sales Market Share by Type (2012-2017)



Table Mexico Power Electronics for Electric Vehicles Sales by Application (2012-2017)
Table Mexico Power Electronics for Electric Vehicles Sales Market Share by Application (2012-2017)

Table Mexico Power Electronics for Electric Vehicles Sales by Manufacturer (2016-2017)

Figure Mexico Power Electronics for Electric Vehicles Sales Market Share by Manufacturer in 2016

Figure Mexico Power Electronics for Electric Vehicles Sales Market Share by Manufacturer in 2017

Table Mexico Power Electronics for Electric Vehicles Revenue by Manufacturer (2016-2017)

Figure Mexico Power Electronics for Electric Vehicles Revenue Market Share by Manufacturer in 2016

Figure Mexico Power Electronics for Electric Vehicles Revenue Market Share by Manufacturer in 2017

Table Mexico Power Electronics for Electric Vehicles Export and Import (2012-2017) Figure North America Power Electronics for Electric Vehicles Sales, Revenue and Growth Rate (2017-2022)

Table North America Power Electronics for Electric Vehicles Sales Forecast by Countries (2017-2022)

Table North America Power Electronics for Electric Vehicles Market Share Forecast by Countries (2017-2022)

Figure United States Power Electronics for Electric Vehicles Sales Forecast (2017-2022)

Figure Canada Power Electronics for Electric Vehicles Sales Forecast (2017-2022)
Figure Mexico Power Electronics for Electric Vehicles Sales Forecast (2017-2022)
Table North America Power Electronics for Electric Vehicles Sales Forecast by Type (2017-2022)

Table North America Power Electronics for Electric Vehicles Market Share Forecast by Type (2017-2022)

Table North America Power Electronics for Electric Vehicles Sales Forecast by Application (2017-2022)

Table North America Power Electronics for Electric Vehicles Market Share Forecast by Application (2017-2022)

Table Sales Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Power Electronics for Electric Vehicles
Figure Manufacturing Process Analysis of Power Electronics for Electric Vehicles



Figure Power Electronics for Electric Vehicles Industrial Chain Analysis
Table Raw Materials Sources of Power Electronics for Electric Vehicles Major
Manufacturers in 2016
Table Major Buyers of Power Electronics for Electric Vehicles
Table Distributors/Traders/ Dealers List



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