

# **Electric 4 Wheel Drive Car Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Propulsion (BEV, HEV, PHEV), By Vehicle Type (Hatchback, Sedan, SUV), By Battery Capacity (Below 25 KWH, 25KWH-40KWH, Above 40KWH), and By Region**

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## **Abstracts**

The global electric 4 wheel drive car market is anticipated to witness the growth of formidable CAGR during the forecast period, 2024-2028. Increasing demand for luxury cars and developments in the 4 wheel drive car system and its growing penetration in electric vehicles are the major factors driving the growth of the global electric 4 wheel drive car market.

Electric 4 wheel drive car system is equipped with sensors on each wheel that monitor the wheel speed, traction, and other essential data pointers at a rapid rate to enhance the overall driving experience of drivers. Traction conditions can be analyzed to decide which wheel needs power by an electronically controlled unit (ECU) present in the electric 4 wheel drive car system, which improves vehicle handling in all weather conditions. Growing demand for improved safety, drive control, and stability is driving the growth of the electric 4 wheel car system. The electric 4 wheel car system was earlier installed only in luxury cars, but now the introduction of hybrid electric vehicles and passenger cars is expected to accelerate the market demand.

### **Growing Demand for Sports Utility Vehicle Drives Market Demand**

The rise in the purchasing power of consumers in developed and developing countries is enabling them to afford high-performance luxury vehicles. Growing demand for

versatility and performance in automobiles, along with growing sales of luxury variant personal vehicles equipped with the latest features and electronic devices leading to greater convenience and comfort of passengers, are expected to boost the sales of sports utility vehicles around the globe. The electric 4 wheel offers better sportier handling and increased grip and traction for smooth navigation, bolstering the demand for passenger cars, especially in sedans, SUVs, and crossovers. Extreme weather conditions in regions, namely Europe and North America, are a significant driver influencing the consumers to buy electric vehicles installed with electric 4 wheel drive car system, and safe on-road drivability are accelerating the demand of the global electric 4 wheel drive car market.

### Increasing Sales of Electric Vehicles Supports Market Growth

The alarming growth of the pollution levels and the surge in the concerns regarding the adverse effects of released carbon emission into the environment are creating the demand for zero-emission vehicles using an alternate form of energy as fuel. Leading authorities are providing incentives, subsidies, income tax rebates to the manufacturers and buyers of electric vehicles to promote the adoption of electric vehicles as a daily source of commuting from one place to another. Around 3.1 million units of EVs were sold in 2020. The rise in the number of market players and the intense competition makes them invest in research and development activities to find innovative technologies to increase the fuel efficiency and battery capacity of electric vehicles. Electric vehicles and hybrid electric vehicles are integrated with a regenerative braking system to increase vehicle efficiency and lower the amount of energy wasted and emission while driving the car. Development of the electric vehicle charging stations to facilitate a smooth riding experience while driving the electric cars and the allocation of huge funds by respective government authorities for boosting the construction of electric battery infrastructure is influencing the market demand. Increasing awareness about the benefits of driving through electric vehicles and the high demand for luxury electric vehicles are expected to boost the growth of the global electric 4 wheel drive car market.

### Market Segmentation

The global electric 4 wheel drive car market is segmented on the basis of propulsion, vehicle type, battery capacity, regional distribution, and company. Based on the propulsion, the global electric 4 wheel drive car market is divided into BEV, HEV and PHEV. Based on the vehicle type, the global electric 4 wheel drive car market is divided into hatchback, sedan and SUV. Based on the vehicle type, the global electric 4 wheel

drive car market is divided into below 25 KWH, 25KWH-40KWH, above 40KWH. To analyze the market based on the region, the global electric 4 wheel drive car market is studied in major regions namely North America, Asia-pacific, Europe & CIS, South America, Middle East, and Africa.

### Market Players

Volkswagen Group, BMW AG, Hyundai Motor Company, Daimler AG, Tesla INC, Toyota Motor Company, are among the major market players in the global platform that lead the market growth of the global electric 4 wheel drive car market.

### Report Scope:

In this report, global electric 4 wheel drive car market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

#### Electric 4 Wheel Drive Car Market, By Propulsion:

BEV

HEV

PHEV

#### Electric 4 Wheel Drive Car Market, By Vehicle Type:

Hatchback

Sedan

SUV

#### Electric 4 Wheel Drive Car Market, By Battery Capacity:

Below 25 KWH

25KWH-40KWH

Above 40KWH

Electric 4 Wheel Drive Car Market, By Region:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

Japan

Malaysia

Thailand

Indonesia

Vietnam

South Korea

Europe & CIS

Germany

France

United Kingdom

Spain

Italy

Belgium

Russia

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

UAE

Saudi Arabia

Egypt

## Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in global electric 4 wheel drive car market.

## Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### 1. PRODUCT OVERVIEW

### 2. RESEARCH METHODOLOGY

### 3. EXECUTIVE SUMMARY

### 4. IMPACT OF COVID-19 ON GLOBAL ELECTRIC 4 WHEEL DRIVE CAR MARKET

### 5. VOICE OF CUSTOMER

5.1. Factors Influencing Purchase Decision

5.2. Aided Brand Recall and Unaided Brand Recall

5.3. Brand Satisfaction Level

### 6. GLOBAL ELECTRIC 4 WHEEL DRIVE CAR MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value and Volume

6.2. Market Share & Forecast

6.2.1. By Propulsion (BEV, HEV, PHEV)

6.2.2. By Vehicle Type (Hatchback, Sedan, SUV)

6.2.3. By Battery Capacity (Below 25 KWH, 25KWH-40KWH, Above 40KWH)

6.2.4. By Region (North America; Europe; Asia Pacific; South America and Middle East & Africa)

6.2.5. By Company (2021)

6.3. Product Market Map (By Vehicle Type, By Region)

### 7. NORTH AMERICA ELECTRIC 4 WHEEL DRIVE CAR MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value and Volume

7.2. Market Share & Forecast

7.2.1. By Propulsion

7.2.2. By Vehicle Type

7.2.3. By Battery Capacity

7.2.4. By Country (United States; Canada; Mexico)

7.3. Product Market Map (By Vehicle Type, By Country)

## 7.4. North America: Country Analysis

### 7.4.1. United States Electric 4 Wheel Drive Car Market Outlook

#### 7.4.1.1. Market Size & Forecast

##### 7.4.1.1.1. By Value and Volume

#### 7.4.1.2. Market Share & Forecast

##### 7.4.1.2.1. By Propulsion

##### 7.4.1.2.2. By Vehicle Type

##### 7.4.1.2.3. By Battery Capacity

### 7.4.2. Canada Electric 4 Wheel Drive Car Market Outlook

#### 7.4.2.1. Market Size & Forecast

##### 7.4.2.1.1. By Value and Volume

#### 7.4.2.2. Market Share & Forecast

##### 7.4.2.2.1. By Propulsion

##### 7.4.2.2.2. By Vehicle Type

##### 7.4.2.2.3. By Battery Capacity

### 7.4.3. Mexico Electric 4 Wheel Drive Car Market Outlook

#### 7.4.3.1. Market Size & Forecast

##### 7.4.3.1.1. By Value and Volume

#### 7.4.3.2. Market Share & Forecast

##### 7.4.3.2.1. By Propulsion

##### 7.4.3.2.2. By Vehicle Type

##### 7.4.3.2.3. By Battery Capacity

## 8. ASIA PACIFIC ELECTRIC 4 WHEEL DRIVE CAR MARKET OUTLOOK

### 8.1. Market Size & Forecast

#### 8.1.1. By Value and Volume

### 8.2. Market Share & Forecast

#### 8.2.1. By Propulsion

#### 8.2.2. By Vehicle Type

#### 8.2.3. By Battery Capacity

#### 8.2.4. By Country (China, India, Japan, Malaysia, Thailand, Indonesia, Vietnam, South Korea)

### 8.3. Product Market Map (By Vehicle Type, By Country)

### 8.4. Asia Pacific: Country Analysis

#### 8.4.1. China Electric 4 Wheel Drive Car Market Outlook

##### 8.4.1.1. Market Size & Forecast

##### 8.4.1.1.1. By Value and Volume

##### 8.4.1.2. Market Share & Forecast



- 8.4.1.2.1. By Propulsion
- 8.4.1.2.2. By Vehicle Type
- 8.4.1.2.3. By Battery Capacity
- 8.4.2. India Electric 4 Wheel Drive Car Market Outlook
  - 8.4.2.1. Market Size & Forecast
    - 8.4.2.1.1. By Value and Volume
  - 8.4.2.2. Market Share & Forecast
    - 8.4.2.2.1. By Propulsion
    - 8.4.2.2.2. By Vehicle Type
    - 8.4.2.2.3. By Battery Capacity
- 8.4.3. Japan Electric 4 Wheel Drive Car Market Outlook
  - 8.4.3.1. Market Size & Forecast
    - 8.4.3.1.1. By Value and Volume
  - 8.4.3.2. Market Share & Forecast
    - 8.4.3.2.1. By Propulsion
    - 8.4.3.2.2. By Vehicle Type
    - 8.4.3.2.3. By Battery Capacity
- 8.4.4. Malaysia Electric 4 Wheel Drive Car Market Outlook
  - 8.4.4.1. Market Size & Forecast
    - 8.4.4.1.1. By Value and Volume
  - 8.4.4.2. Market Share & Forecast
    - 8.4.4.2.1. By Propulsion
    - 8.4.4.2.2. By Vehicle Type
    - 8.4.4.2.3. By Battery Capacity
- 8.4.5. Thailand Electric 4 Wheel Drive Car Market Outlook
  - 8.4.5.1. Market Size & Forecast
    - 8.4.5.1.1. By Value and Volume
  - 8.4.5.2. Market Share & Forecast
    - 8.4.5.2.1. By Propulsion
    - 8.4.5.2.2. By Vehicle Type
    - 8.4.5.2.3. By Battery Capacity
- 8.4.6. Indonesia Electric 4 Wheel Drive Car Market Outlook
  - 8.4.6.1. Market Size & Forecast
    - 8.4.6.1.1. By Value and Volume
  - 8.4.6.2. Market Share & Forecast
    - 8.4.6.2.1. By Propulsion
    - 8.4.6.2.2. By Vehicle Type
    - 8.4.6.2.3. By Battery Capacity
- 8.4.7. Vietnam Electric 4 Wheel Drive Car Market Outlook

- 8.4.7.1. Market Size & Forecast
  - 8.4.7.1.1. By Value and Volume
- 8.4.7.2. Market Share & Forecast
  - 8.4.7.2.1. By Propulsion
  - 8.4.7.2.2. By Vehicle Type
  - 8.4.7.2.3. By Battery Capacity
- 8.4.8. South Korea Electric 4 Wheel Drive Car Market Outlook
  - 8.4.8.1. Market Size & Forecast
    - 8.4.8.1.1. By Value and Volume
  - 8.4.8.2. Market Share & Forecast
    - 8.4.8.2.1. By Propulsion
    - 8.4.8.2.2. By Vehicle Type
    - 8.4.8.2.3. By Battery Capacity

## **9. EUROPE & CIS ELECTRIC 4 WHEEL DRIVE CAR MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value and Volume
- 9.2. Market Share & Forecast
  - 9.2.1. By Propulsion
  - 9.2.2. By Vehicle Type
  - 9.2.3. By Battery Capacity
  - 9.2.4. By Country (Germany, France, United Kingdom, Spain, Italy, Belgium, Russia)
- 9.3. Product Market Map (By Vehicle Type, By Country)
- 9.4. Europe & CIS: Country Analysis
  - 9.4.1. Germany Electric 4 Wheel Drive Car Market Outlook
    - 9.4.1.1. Market Size & Forecast
      - 9.4.1.1.1. By Value and Volume
    - 9.4.1.2. Market Share & Forecast
      - 9.4.1.2.1. By Propulsion
      - 9.4.1.2.2. By Vehicle Type
      - 9.4.1.2.3. By Battery Capacity
  - 9.4.2. France Electric 4 Wheel Drive Car Market Outlook
    - 9.4.2.1. Market Size & Forecast
      - 9.4.2.1.1. By Value and Volume
    - 9.4.2.2. Market Share & Forecast
      - 9.4.2.2.1. By Propulsion
      - 9.4.2.2.2. By Vehicle Type
      - 9.4.2.2.3. By Battery Capacity

### 9.4.3. United Kingdom Electric 4 Wheel Drive Car Market Outlook

#### 9.4.3.1. Market Size & Forecast

##### 9.4.3.1.1. By Value and Volume

#### 9.4.3.2. Market Share & Forecast

##### 9.4.3.2.1. By Propulsion

##### 9.4.3.2.2. By Vehicle Type

##### 9.4.3.2.3. By Battery Capacity

### 9.4.4. Spain Electric 4 Wheel Drive Car Market Outlook

#### 9.4.4.1. Market Size & Forecast

##### 9.4.4.1.1. By Value and Volume

#### 9.4.4.2. Market Share & Forecast

##### 9.4.4.2.1. By Propulsion

##### 9.4.4.2.2. By Vehicle Type

##### 9.4.4.2.3. By Battery Capacity

### 9.4.5. Italy Electric 4 Wheel Drive Car Market Outlook

#### 9.4.5.1. Market Size & Forecast

##### 9.4.5.1.1. By Value and Volume

#### 9.4.5.2. Market Share & Forecast

##### 9.4.5.2.1. By Propulsion

##### 9.4.5.2.2. By Vehicle Type

##### 9.4.5.2.3. By Battery Capacity

### 9.4.6. Belgium Electric 4 Wheel Drive Car Market Outlook

#### 9.4.6.1. Market Size & Forecast

##### 9.4.6.1.1. By Value and Volume

#### 9.4.6.2. Market Share & Forecast

##### 9.4.6.2.1. By Propulsion

##### 9.4.6.2.2. By Vehicle Type

##### 9.4.6.2.3. By Battery Capacity

### 9.4.7. Russia Electric 4 Wheel Drive Car Market Outlook

#### 9.4.7.1. Market Size & Forecast

##### 9.4.7.1.1. By Value and Volume

#### 9.4.7.2. Market Share & Forecast

##### 9.4.7.2.1. By Propulsion

##### 9.4.7.2.2. By Vehicle Type

##### 9.4.7.2.3. By Battery Capacity

## **10. SOUTH AMERICA ELECTRIC 4 WHEEL DRIVE CAR MARKET OUTLOOK**

### 10.1. Market Size & Forecast

- 10.1.1. By Value and Volume
- 10.2. Market Share & Forecast
  - 10.2.1. By Propulsion
  - 10.2.2. By Vehicle Type
  - 10.2.3. By Battery Capacity
  - 10.2.4. By Country (Brazil, Argentina, Colombia)
- 10.3. Product Market Map (By Vehicle Type, By Country)
- 10.4. South America: Country Analysis
  - 10.4.1. Brazil Electric 4 Wheel Drive Car Market Outlook
    - 10.4.1.1. Market Size & Forecast
      - 10.4.1.1.1. By Value and Volume
    - 10.4.1.2. Market Share & Forecast
      - 10.4.1.2.1. By Propulsion
      - 10.4.1.2.2. By Vehicle Type
      - 10.4.1.2.3. By Battery Capacity
  - 10.4.2. Argentina Electric 4 Wheel Drive Car Market Outlook
    - 10.4.2.1. Market Size & Forecast
      - 10.4.2.1.1. By Value and Volume
    - 10.4.2.2. Market Share & Forecast
      - 10.4.2.2.1. By Propulsion
      - 10.4.2.2.2. By Vehicle Type
      - 10.4.2.2.3. By Battery Capacity
  - 10.4.3. Colombia Electric 4 Wheel Drive Car Market Outlook
    - 10.4.3.1. Market Size & Forecast
      - 10.4.3.1.1. By Value and Volume
    - 10.4.3.2. Market Share & Forecast
      - 10.4.3.2.1. By Propulsion
      - 10.4.3.2.2. By Vehicle Type
      - 10.4.3.2.3. By Battery Capacity

## **11. MIDDLE EAST AND AFRICA ELECTRIC 4 WHEEL DRIVE CAR MARKET OUTLOOK**

- 11.1. Market Size & Forecast
  - 11.1.1. By Value and Volume
- 11.2. Market Share & Forecast
  - 11.2.1. By Propulsion
  - 11.2.2. By Vehicle Type
  - 11.2.3. By Battery Capacity

- 11.2.4. By Country (South Africa, UAE, Saudi Arabia, Egypt)
- 11.3. Product Market Map (By Vehicle Type, By Country)
- 11.4. Middle East and Africa: Country Analysis
  - 11.4.1. South Africa Electric 4 Wheel Drive Car Market Outlook
    - 11.4.1.1. Market Size & Forecast
      - 11.4.1.1.1. By Value and Volume
    - 11.4.1.2. Market Share & Forecast
      - 11.4.1.2.1. By Propulsion
      - 11.4.1.2.2. By Vehicle Type
      - 11.4.1.2.3. By Battery Capacity
  - 11.4.2. UAE Electric 4 Wheel Drive Car Market Outlook
    - 11.4.2.1. Market Size & Forecast
      - 11.4.2.1.1. By Value and Volume
    - 11.4.2.2. Market Share & Forecast
      - 11.4.2.2.1. By Propulsion
      - 11.4.2.2.2. By Vehicle Type
      - 11.4.2.2.3. By Battery Capacity
  - 11.4.3. Saudi Arabia Electric 4 Wheel Drive Car Market Outlook
    - 11.4.3.1. Market Size & Forecast
      - 11.4.3.1.1. By Value and Volume
    - 11.4.3.2. Market Share & Forecast
      - 11.4.3.2.1. By Propulsion
      - 11.4.3.2.2. By Vehicle Type
      - 11.4.3.2.3. By Battery Capacity
  - 11.4.4. Egypt Electric 4 Wheel Drive Car Market Outlook
    - 11.4.4.1. Market Size & Forecast
      - 11.4.4.1.1. By Value and Volume
    - 11.4.4.2. Market Share & Forecast
      - 11.4.4.2.1. By Propulsion
      - 11.4.4.2.2. By Vehicle Type
      - 11.4.4.2.3. By Battery Capacity

## **12. MARKET DYNAMICS**

- 12.1. Drivers
- 12.2. Challenges

## **13. MARKET TRENDS AND DEVELOPMENTS**

## **14. COMPETITIVE LANDSCAPE**

### 14.1. Company Profiles (Partial List of Leading Companies)

14.1.1. Volkswagen Group

14.1.2. BMW AG

14.1.3. Hyundai Motor Company

14.1.4. Daimler AG

14.1.5. Tesla INC

14.1.6. Toyota Motor Company

## **15. STRATEGIC RECOMMENDATIONS**

## **16. ABOUT US & DISCLAIMER**

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