

Europe Electric Truck Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

<https://marketpublishers.com/r/E1EF80A69767EN.html>

Date: October 2024

Pages: 185

Price: US\$ 4,850.00 (Single User License)

ID: E1EF80A69767EN

Abstracts

Europe Electric Truck Market, valued at USD 1.4 billion in 2023, is projected to grow at a CAGR of 50% from 2024 to 2032. A key factor fueling this expansion is the establishment of low-emission zones (LEZs) in urban centers across Europe. As cities intensify efforts to reduce air pollution and enhance air quality, they increasingly restrict access to high-emission vehicles, including conventional diesel trucks. This regulatory environment drives fleet operators to transition to electric trucks, which can freely operate within these zones. The spread of LEZs strengthens the market for electric trucks by making them a more practical and desirable option for urban logistics. With an increasing number of cities adopting eco-friendly policies, the demand for electric trucks is set to rise, boosting investments in electric vehicle infrastructure and technology. This trend creates a positive cycle: as businesses seek to comply with environmental regulations, the incorporation of zero-emission vehicles accelerates, highlighting their regulatory compliance benefits and operational advantages. The market is segmented by vehicle type into light-duty, medium-duty, and heavy-duty trucks. In 2023, heavy-duty trucks commanded a significant portion of the market, with a valuation surpassing USD 1 billion.

Financial incentives, including subsidies, grants, and tax reductions, make these heavy-duty electric trucks more accessible. These government-provided benefits help offset the higher initial purchase cost of electric trucks relative to diesel alternatives, lowering the upfront investment. Tax breaks also reduce the overall cost of ownership, making electric heavy-duty trucks increasingly appealing to businesses looking to switch to cleaner transport options. Based on propulsion, the market encompasses BEV, HEV, PHEV, and FCEV options.

As of 2023, plug-in hybrid electric vehicles (PHEVs) held over 64% of the market share. PHEVs offer businesses a practical means of meeting stringent pollution standards by

combining electric and traditional power sources. This dual system is advantageous in low-emission zones, allowing compliance without sacrificing operational flexibility. By utilizing electric power in restricted zones, PHEVs help avoid penalties, while the hybrid configuration permits diesel use for longer distances or challenging tasks.

This balance supports emissions reductions without compromising performance or efficiency. Germany electric truck market represented 20% of the revenue share in 2023, solidifying its role as a leading contributor within Europe. Home to some of the world's largest automotive manufacturers, Germany invests significantly in electric vehicle technology, supporting electric truck production and innovation. Western Europe's development of an extensive EV charging network further underpins this growth, establishing a robust infrastructure critical to the widespread adoption of electric trucks.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Research design
 - 1.1.1 Research approach
 - 1.1.2 Data collection methods
- 1.2 Base estimates & calculations
 - 1.2.1 Base year calculation
 - 1.2.2 Key trends for market estimates
- 1.3 Forecast model
- 1.4 Primary research & validation
 - 1.4.1 Primary sources
 - 1.4.2 Data mining sources
- 1.5 Market definition

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis, 2021-2032

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Supplier landscape
 - 3.2.1 Raw material supplier
 - 3.2.2 Component supplier
 - 3.2.3 Manufacturers
 - 3.2.4 Technology providers
 - 3.2.5 Service providers
 - 3.2.6 Distributor
- 3.3 Profit margin analysis
- 3.4 Key news & initiatives
- 3.5 Regulatory landscape
- 3.6 Pricing analysis
- 3.7 Total cost of ownership, by product, 2023
- 3.8 Impact forces
 - 3.8.1 Growth drivers

- 3.8.1.1 Rising demand for electric trucks in logistics and other industries
- 3.8.1.2 Expansion of low-emission zones in urban areas
- 3.8.1.3 Technological Advancements in Battery Technology
- 3.8.1.4 Increased investment in charging infrastructure
- 3.8.2 Industry pitfalls & challenges
 - 3.8.2.1 Battery degradation & replacement cost
- 3.9 Growth potential analysis
- 3.10 Porter's analysis
- 3.11 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2023

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY VEHICLE, 2021-2032 (USD BILLION, UNITS)

- 5.1 Key trends
- 5.2 Light duty trucks
- 5.3 Medium duty trucks
- 5.4 Heavy duty trucks

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY AXLE, 2021-2032 (USD BILLION, UNITS)

- 6.1 Key trends
- 6.2 2-axle
- 6.3 3-axle
- 6.4 4-axle

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY AREA, 2021-2032 (USD BILLION, UNITS)

- 7.1 Key trends
- 7.2 On-road
- 7.3 Off-road

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021-2032 (USD BILLION, UNITS)

8.1 Key trends

8.2 Urban

8.3 Rural

CHAPTER 9 MARKET ESTIMATES & FORECAST, BY PROPULSION, 2021-2032 (USD BILLION, UNITS)

9.1 Key trends

9.2 BEV

9.3 HEV

9.4 PHEV

9.5 FCEV

CHAPTER 10 MARKET ESTIMATES & FORECAST, BY SUPERSTRUCTURE, 2021-2032 (USD BILLION, UNITS)

10.1 Key trends

10.2 Box body

10.3 Refrigerated body

10.4 Flatbed body

10.5 Curtainside body

10.6 Tanker body

10.7 Tipper body

10.8 Crane body

10.9 Skip loader body

10.10 Fire engine body

10.11 Hooklift body

10.12 Spreading

10.13 Ploughing

10.14 Concrete mixer

10.15 Refuse collector

10.16 Sweeper

10.17 Recovery vehicle

CHAPTER 11 MARKET ESTIMATES & FORECAST, BY BATTERY CAPACITY,

2021-2032 (USD BILLION, UNITS)

- 11.1 Key trends
- 11.2 Below 100 kWh
- 11.3 100-300 kWh
- 11.4 Above 300 kWh

CHAPTER 12 MARKET ESTIMATES & FORECAST, BY RANGE CAPACITY, 2021-2032 (USD BILLION, UNITS)

- 12.1 Key trends
- 12.2 Short range (Up to 150 miles)
- 12.3 Medium range (150 to 250 miles)
- 12.4 Long range (Over Range 250 miles)

CHAPTER 13 MARKET ESTIMATES & FORECAST, BY REGION, 2021-2032 (USD BILLION, UNITS)

- 13.1 Key trends
- 13.2 Northern Europe
 - 13.2.1 Denmark
 - 13.2.2 Estonia
 - 13.2.3 Finland
 - 13.2.4 Iceland
 - 13.2.5 Ireland
 - 13.2.6 Latvia
 - 13.2.7 Lithuania
 - 13.2.8 Norway
 - 13.2.9 Sweden
 - 13.2.10 UK
- 13.3 Western Europe
 - 13.3.1 Austria
 - 13.3.2 Belgium
 - 13.3.3 France
 - 13.3.4 Germany
 - 13.3.5 Liechtenstein
 - 13.3.6 Luxembourg
 - 13.3.7 Netherlands
 - 13.3.8 Switzerland

13.4 Eastern Europe

13.4.1 Belarus

13.4.2 Bulgaria

13.4.3 Czech Republic

13.4.4 Hungary

13.4.5 Moldova

13.4.6 Poland

13.4.7 Romania

13.4.8 Russia

13.4.9 Slovakia

13.4.10 Ukraine

13.5 Southern Europe

13.5.1 Albania

13.5.2 Bosnia and Herzegovina

13.5.3 Croatia

13.5.4 Cyprus

13.5.5 Greece

13.5.6 Italy

13.5.7 Kosovo

13.5.8 Malta

13.5.9 Montenegro

13.5.10 North Macedonia

13.5.11 Portugal

13.5.12 Serbia

13.5.13 Slovenia

13.5.14 Spain

CHAPTER 14 COMPANY PROFILES

14.1 BYD

14.2 DAF Trucks

14.3 Daimler

14.4 FOTON

14.5 Fuso

14.6 Goupil

14.7 Hino

14.8 Isuzu

14.9 Iveco

14.10 Jungheinrich

- 14.11 Mack Trucks
- 14.12 MAN Truck
- 14.13 Mercedes-Benz Trucks
- 14.14 Nikola
- 14.15 PACCAR
- 14.16 Quantron
- 14.17 Renault Trucks
- 14.18 Tevva Motors
- 14.19 Volta Trucks
- 14.20 Volvo

I would like to order

Product name: Europe Electric Truck Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

Product link: <https://marketpublishers.com/r/E1EF80A69767EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E1EF80A69767EN.html>