+44 20 8123 2220
info@marketpublishers.com

Europe Automotive Traction Inverters Market Size study, by Propulsion Type (BEV, HEV, PHEV) by Output Power (Less Than or Equal to 130 kW, More Than 130 kW), by Semiconductor Material (Gallium Nitride (GaN), Silicon (Si), Silicon Nitride (SiC)) by Technology Type (IGBT, MOSFET), by Vehicle Type (Passenger Vehicles, Light Commercial Vehicles, Heavy Commercial Vehicles) and Country Forecasts 2022-2032

https://marketpublishers.com/r/EFA437CBD46FEN.html
Date: July 2024
Pages: 200
Price: US$ 6,250.00 (Single User License)
ID: EFA437CBD46FEN

Abstracts

Europe Automotive Traction Inverters Market is valued approximately USD 1.13 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 18.02% over the forecast period 2024-2032. An automotive traction inverter plays a pivotal role in electric and hybrid vehicles, converting direct current (DC) from the vehicle's battery pack into alternating current (AC) to power the electric motor or motors. This conversion is crucial for regulating motor speed and torque, ensuring efficient and seamless vehicle operation. Traction inverters also facilitate regenerative braking systems by converting kinetic energy from braking into electrical energy, which can be stored in the battery pack for future use. Automotive traction inverters are evolving to incorporate advanced features such as regenerative braking, torque vectoring, and enhanced thermal management systems. These innovations improve overall vehicle performance, efficiency, and safety, which raises the demand for more sophisticated inverters which is gaining attraction in European Automotive Traction Inverters Market.

Europe is experiencing a significant shift towards vehicle electrification driven by stringent emission regulations and environmental concerns. This trend is leading to a

growing demand for automotive traction inverters as essential components of electric drivetrains in both passenger cars and commercial vehicles. The adoption of electric vehicles is on the rise in Europe, fueled by government incentives, improving charging infrastructure, and a growing range of electric vehicle models. As a result, there is a corresponding increase in the demand for automotive traction inverters to power electric drivetrains and support the transition to sustainable transportation. Furthermore, the Europe Automotive Traction Inverters Market is driven by Integration of Silicon Carbide (SiC) and Gallium Nitride (GaN) Technologies and rising technological advancements in the region. However, charging infrastructure challenges and high initial cost, would stifle market growth between 2022 and 2032.

The key countries considered for the Europe Automotive Traction Inverters market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany was the largest market in terms of revenue. Germany boasts a robust automotive industry renowned for its technological innovation, engineering prowess, and high-quality manufacturing standards. Companies such as Bosch, Continental, and Infineon, among others, have a strong presence in the development and production of automotive traction inverters, leveraging Germany's engineering expertise and advanced manufacturing capabilities. Moreover, Germany has been at the forefront of electric vehicle (EV) adoption and infrastructure development in Europe. The German government has implemented supportive policies, incentives, and subsidies to encourage the uptake of EVs, driving demand for traction inverters as essential components of electric drivetrains. Additionally, Germany has presence of key automakers such as Volkswagen, BMW, and Mercedes-Benz, which have made substantial investments in electric vehicle technology and are driving the development of electric vehicle platforms and models that rely on traction inverters. The market in UK, on the other hand, is expected to grow at the fastest rate over the forecast period.

Major market player included in this report are:
Continental AG
Robert Bosch GmbH
Infineon Technologies AG
ZF Friedrichshafen AG
Vitesco Technologies GmbH
Company 6
Company 7
Company 8
Company 9
Company 10

+44 20 8123 2220
info@marketpublishers.com

The detailed segments and sub-segment of the market are explained below:

By Propulsion Type
BEV
HEV
PHEV

By Output Power
Less Than or Equal to 130 kW
More Than 130 kW

By Semiconductor Material:
Gallium Nitride (GaN)
Silicon (Si)
Silicon Nitride (SiC)

By Technology Type:
IGBT
MOSFET

By Vehicle Type:
Passenger Vehicles
Light Commercial Vehicles
Heavy Commercial Vehicles
By Region:
Europe
UK
Germany
France
Spain
Italy
ROE

Years considered for the study are as follows:
Historical year – 2022
Base year – 2023
Forecast period – 2024 to 2032

+44 20 8123 2220
info@marketpublishers.com

Key Takeaways:
Market Estimates & Forecast for 10 years from 2022 to 2032.
Annualized revenues and Country level analysis for each market segment.
Detailed analysis of geographical landscape with Country level analysis.
Competitive landscape with information on major players in the market.
Analysis of key business strategies and recommendations on future market approach.
Analysis of competitive structure of the market.
Demand side and supply side analysis of the market

+44 20 8123 2220
info@marketpublishers.com

Contents

CHAPTER 3. EUROPE AUTOMOTIVE TRACTION INVERTERS MARKET DYNAMICS

CHAPTER 4. EUROPE AUTOMOTIVE TRACTION INVERTERS MARKET INDUSTRY ANALYSIS

CHAPTER 5. EUROPE AUTOMOTIVE TRACTION INVERTERS MARKET SIZE & FORECASTS BY PROPULSION TYPE 2022-2032

CHAPTER 6. EUROPE AUTOMOTIVE TRACTION INVERTERS MARKET SIZE &

+44 20 8123 2220
info@marketpublishers.com

CHAPTER 11. COMPETITIVE INTELLIGENCE

CHAPTER 12. RESEARCH PROCESS

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Europe Automotive Traction Inverters Market Size study, by Propulsion Type (BEV, HEV, PHEV) by Output Power (Less Than or Equal to 130 kW, More Than 130 kW), by Semiconductor Material (Gallium Nitride (GaN), Silicon (Si), Silicon Nitride (SiC)) by Technology Type (IGBT, MOSFET), by Vehicle Type (Passenger Vehicles, Light Commercial Vehicles, Heavy Commercial Vehicles) and Country Forecasts 2022-2032

Product link: https://marketpublishers.com/r/EFA437CBD46FEN.html

Price: US$ 6,250.00 (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/EFA437CBD46FEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

+44 20 8123 2220
info@marketpublishers.com

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970