

# Automotive Traction Inverters Market 2027 – COVID-19 Impact and Global Demand By Eaton, Hitachi, Toyota Industries

*Automotive traction inverters market services and technology. Key drivers, restraints, and opportunities along with detailed analysis by 2027.*

PORTLAND, ORAGON, UNITED STATES, August 31, 2021 /EINPresswire.com/ -- Automotive Traction Inverters Market Outlook – 2027

Automotive tractor inverters are crucial component in modern electric powertrains. The traction inverter is responsible to convert DC energy from vehicle's on-board high voltage battery into three phase AC energy to drive the traction motor in drivetrain. Moreover, the traction inverter has a direct impact on road performance, driving range and reliability of the vehicle also as a consequence of their weight and size. Besides, the inverters aid in voltage boosting, switch protection and regenerative braking. Further, the automotive tractor inverters ensure dependability and safety of driver and passenger due to its fail-safe operation.

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The key players analyzed in the report include Denso, Delphi Technologies, Continental AG, Robert Bosch GmbH, Mitsubishi Electric Corporation, Eaton, Hitachi, Toyota Industries Corporation, Valeo Group, Aptiv PLC

COVID-19 scenario analysis:

COVID-19 outbreak has severely impacted business operations worldwide and has clogged all economic growth across the globe, including in the auto industry.

China, one of the largest manufacturers of electric vehicle is slowing recovering from the pandemic and the production of electric vehicle has started gradually.

Even if China is recovering, the automobile industry globally is still facing a huge downturn.

Recently, the North American International Auto show held each year in Detroit was canceled to tackle the COVID-19 spread.

However, the governments around the world are decreasing the rate of interest on purchase of electric vehicles. Additionally, governments are announcing various schemes during this

pandemic to promote the adoption of electric vehicle. This, in turn, would fuel the market of tractor inverters.

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Top impacting factors: market scenario analysis, trends, drivers and impact analysis

The growing demand for electric vehicle is primarily driving the market of automotive traction inverters. Additionally, the rising restriction on carbon-emitting vehicles is changing the focus of OEMs toward manufacturing of electric vehicles. Besides, efficient traction inverters boost the vehicle range. Moreover, development of public charging stations is fueling the market growth. However, slow penetration of electric vehicles is hampering the automotive traction inverters market. Furthermore, technological advancements in automotive traction inverters are anticipated to proliferate the market demand.

The automotive traction inverters market trends are as follows:

Partnerships to drive the market

Due to increasing demand from consumers, the market for electric vehicles is proliferating. Moreover, the firms are partnering to deliver high quality requirements in the industry. Besides, the partnerships present affordable product range. In 2016, Valeo signed an agreement with Siemens to form a joint venture in high voltage powertrains. Likewise, in 2018, the joint venture factory was opened in China for development of electrified vehicles. Additionally, the plant has 2 production lines for inverters and 1 for electric motors.

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Innovation to bolster market growth

The investment on development of electric vehicles has increased in recent years. With supporting government schemes, the sales of electric vehicles are augmenting. Besides, considering higher demand forecasted for electric vehicles in next decade, the OEMs are heavily investing in R&D activities. In 2020, Karma automotive announced that they are in last stage of development for two new Silicon Carbide (SiC) inverters to enhance electric mobility charging. This 400V system can be customized to fit various vehicle platforms and 800V power levels to leverage higher voltage for fast charging.

Key benefits of the report:

This study presents the analytical depiction of the automotive traction inverters industry along with the current trends and future estimations to determine the imminent investment pockets. The report presents information related to key drivers, restraints, and opportunities along with detailed analysis of the market share.

The current market is quantitatively analyzed from 2020 to 2027 to highlight the growth scenario.

Porter's five forces analysis illustrates the potency of buyers & suppliers in the market. The report provides a detailed automotive traction inverters market analysis based on competitive intensity and how the competition will take shape in coming years.

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Questions answered in the automotive traction inverters market research report:

Which are the leading market players active in the automotive traction inverters market?

What are the current trends that will influence the market in the next few years?

What are the driving factors, restraints, and opportunities in the market?

What are the projections for the future that would help in taking further strategic steps?

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