+357 96 030922
info@marketpublishers.com

# EV Traction Inverter Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

https://marketpublishers.com/r/E3EEE87548E8EN.html
Date: December 2024
Pages: 240
Price: US$ 4,850.00 (Single User License)
ID: E3EEE87548E8EN

## Abstracts

The Global EV Traction Inverter Market was valued at USD 6.8 billion in 2024 and is projected to expand at a robust CAGR of 14.7% from 2025 to 2034. The surging adoption of electric vehicles (EVs) worldwide is a key driver of this market growth, as governments promote EVs as a cleaner and more sustainable alternative to internal combustion engine (ICE) vehicles. These efforts aim to significantly reduce greenhouse gas emissions and tackle the pressing challenges of climate change.

Advancements in power electronics are revolutionizing traction inverter performance and efficiency. Breakthrough innovations, such as wide-bandgap semiconductors like silicon carbide and gallium nitride, are enabling greater energy efficiency, improved thermal management, and more compact designs. These technologies are critical for addressing the growing demand for extended driving ranges, faster charging times, and superior vehicle performance, making them indispensable in the rapidly evolving EV industry.

By vehicle type, the market is divided into passenger cars and commercial vehicles. In 2024, the passenger car segment led the market, accounting for 73% of the total share, and is projected to generate USD 19.1 billion by 2034. This growth is propelled by the increasing use of EVs for personal transportation, spurred by heightened environmental consciousness, government incentives, and volatile fuel prices. Passenger cars are transitioning to electric mobility at a faster pace than commercial vehicles, thanks to their larger market base and higher production volumes.

Based on output power, the EV traction inverter market is categorized into ?130 kW and >130 kW segments. The >130 kW segment held 57% of the market share in 2024,

+357 96 030922
info@marketpublishers.com

driven by the rising preference for high-performance EVs and the electrification of heavy-duty commercial fleets. High-powered inverters are crucial for delivering exceptional torque, acceleration, and extended range, catering to the needs of premium EVs and demanding commercial applications. These advanced inverters are engineered to operate efficiently under high-performance conditions, ensuring reliability and optimal energy utilization.

The U.S. EV traction inverter market dominated with an 83% share in 2024 and is projected to reach USD 4.9 billion by 2034. The country’s well-established EV manufacturing ecosystem and growing consumer demand are key factors fueling this expansion. Additionally, significant investments in EV production and the development of critical components, including traction inverters, are bolstering the market growth trajectory.

+357 96 030922
info@marketpublishers.com

# Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com



## CHAPTER 11 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

## I would like to order

Product name: EV Traction Inverter Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: https://marketpublishers.com/r/E3EEE87548E8EN.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/E3EEE87548E8EN.html