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Global High-power GaN Devices for EV Market Growth (Status and Outlook) 2024-2030

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Abstracts

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High-power 650V and 1200V GaN devices are rising as promising solutions for EV applications and can deliver superior energy efficiency, increased reliability, space optimization, and reduced overall system costs. These devices represent a key technology for making EVs an affordable and accessible reality for an increasingly broad audience.

The global High-power GaN Devices for EV market size is projected to grow from US$ 48.6 million in 2024 to US$ 2641 million in 2030; it is expected to grow at a CAGR of 94.6% from 2024 to 2030.

LPI (LP Information)' newest research report, the “High-power GaN Devices for EV Industry Forecast” looks at past sales and reviews total world High-power GaN Devices for EV sales in 2022, providing a comprehensive analysis by region and market sector of projected High-power GaN Devices for EV sales for 2023 through 2029. With High-power GaN Devices for EV sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world High-power GaN Devices for EV industry.

This Insight Report provides a comprehensive analysis of the global High-power GaN Devices for EV landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on High-power GaN Devices for EV portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique

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position in an accelerating global High-power GaN Devices for EV market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High-power GaN Devices for EV and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global High-power GaN Devices for EV.

United States market for High-power GaN Devices for EV is estimated to increase from US$ million in 2023 to US$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for High-power GaN Devices for EV is estimated to increase from US$ million in 2023 to US$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for High-power GaN Devices for EV is estimated to increase from US$ million in 2023 to US$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key High-power GaN Devices for EV players cover Infineon, Texas Instruments, Power Integrations, EPC, Navitas, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of High-power GaN Devices for EV market by product type, application, key players and key regions and countries.

Segmentation by Type:

650 V GaN

1000 V GaN

Segmentation by Application:

Onboard Battery Chargers

Traction Inverter

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DC/DC Converter

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

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Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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- Australia

Europe

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- France
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- Italy
- Russia

Middle East & Africa

- Egypt

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South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Infineon

Texas Instruments

Power Integrations

EPC

Navitas

Nexperia

Transphorm

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