

Global Bidirectional Buck/Boost Controller Market Growth 2026-2032

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Abstracts

The global Bidirectional Buck/Boost Controller market size is predicted to grow from US\$ 236 million in 2025 to US\$ 365 million in 2032; it is expected to grow at a CAGR of 6.5% from 2026 to 2032.

A bidirectional buck/boost controller is a power management device that can operate in two operating modes: buck mode and boost mode. It can flexibly adjust the output voltage according to load demand and input voltage changes.

United States market for Bidirectional Buck/Boost Controller is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Bidirectional Buck/Boost Controller is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Bidirectional Buck/Boost Controller is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Bidirectional Buck/Boost Controller players cover Texas Instruments, Diodes, Kinetic Technologies, Toshiba, Analog Devices, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Bidirectional Buck/Boost Controller Industry Forecast" looks at past sales and reviews total world Bidirectional Buck/Boost Controller sales in 2025, providing a comprehensive analysis by region and market sector of projected Bidirectional Buck/Boost Controller sales for 2026 through

2032. With Bidirectional Buck/Boost Controller sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Bidirectional Buck/Boost Controller industry.

This Insight Report provides a comprehensive analysis of the global Bidirectional Buck/Boost Controller landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Bidirectional Buck/Boost Controller portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Bidirectional Buck/Boost Controller market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Bidirectional Buck/Boost Controller 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 Bidirectional Buck/Boost Controller.

This report presents a comprehensive overview, market shares, and growth opportunities of Bidirectional Buck/Boost Controller market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

DC-DC

AC-DC

Segmentation by Application:

Dual Battery Automotive And Industrial Systems

High Power System Backup And Power Stabilization

Other

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

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

Texas Instruments

Diodes

Kinetic Technologies

Toshiba

Analog Devices

Asicm

Renesas Electronics

Richtek Technology

Southchip

Shenzhen LW Tech

XDS Semi

Key Questions Addressed in this Report

What is the 10-year outlook for the global Bidirectional Buck/Boost Controller market?

What factors are driving Bidirectional Buck/Boost Controller market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Bidirectional Buck/Boost Controller market opportunities vary by end market size?

How does Bidirectional Buck/Boost Controller break out by Type, by Application?

The report requires updating with new data and is sent in 48 hours after order is placed.

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