

Global Buck-Boost Switching Regulator Market Growth 2026-2032

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Abstracts

The global Buck-Boost Switching Regulator market size is predicted to grow from US\$ 1973 million in 2025 to US\$ 3848 million in 2032; it is expected to grow at a CAGR of 10.1% from 2026 to 2032.

In 2025, global sales of buck-boost switching regulators reached 2.46 billion units, with an average selling price of \$0.82 per unit. Buck-boost switching regulators are power management chips that automatically switch operating modes and stabilize the output voltage when the input voltage is higher or lower than the target output voltage. They typically employ synchronous rectification, PWM control, and a high-efficiency DC-DC topology, and are widely used in consumer electronics, IoT terminals, industrial control equipment, automotive electronics, and new energy systems to provide stable power supply under conditions of battery voltage fluctuations or power instability. They feature high efficiency, miniaturization, and low standby power consumption. Upstream raw materials mainly include silicon wafers, packaging substrates, lead frames, copper wires, and electronic chemicals, with wafer manufacturing costs accounting for the largest share of upstream material consumption. Downstream suppliers include mobile phone manufacturers, wearable device manufacturers, automotive electronics suppliers, and industrial equipment manufacturers, with consumer electronics and IoT terminals being the primary consumer products. Global total production capacity in 2025 was approximately 3 billion units, with an average industry gross margin of approximately 46%. Future growth prospects lie in highly integrated power modules, automotive-grade chips, and ultra-low-power IoT applications. Demand and business opportunities mainly come from the continued expansion driven by the growth of wearable devices, the electrification of electric vehicles, and the increasing demand for power management of edge computing devices.

The buck-boost switching regulator market is one of the fastest-growing segments in the power management chip market, driven primarily by the increasing battery integration, miniaturization, and multi-voltage system complexity of end devices.

From the demand side, wearable devices, TWS earphones, handheld terminals, IoT nodes, and automotive electronics are placing ever-increasing demands on stable power supply and high-efficiency conversion, leading to a sustained rise in demand for Buck-Boost architectures capable of operating over a wide input voltage range. This is particularly evident in lithium-ion battery systems, where voltage fluctuates significantly with battery charge, resulting in a rapid increase in the penetration rate of these chips.

From the supply side, the industry is highly technology-driven, with leading manufacturers establishing technological barriers through advanced processes, synchronous rectification designs, and high-frequency miniaturized packaging. Meanwhile, the market concentration among leading analog IC companies remains high.

In terms of technology trends, ultra-low quiescent current, highly integrated power modules, automotive-grade reliability, and dedicated power management for AI terminals are key R&D priorities.

Regionally, Asian consumer electronics manufacturing clusters remain the largest source of demand, while the European and American markets are more concentrated in the industrial and automotive electronics sectors. Risks include cyclical fluctuations in downstream consumer electronics, changes in wafer foundry capacity, and price competition pressures. Overall, this sector will benefit from the increasing number of electronic devices and higher energy efficiency requirements in the long term, exhibiting stable growth potential and high technological barriers.

LP Information, Inc. (LPI) ' newest research report, the "Buck-Boost Switching Regulator Industry Forecast" looks at past sales and reviews total world Buck-Boost Switching Regulator sales in 2025, providing a comprehensive analysis by region and market sector of projected Buck-Boost Switching Regulator sales for 2026 through 2032. With Buck-Boost Switching Regulator sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Buck-Boost Switching Regulator industry.

This Insight Report provides a comprehensive analysis of the global Buck-Boost Switching Regulator 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 Buck-Boost Switching Regulator portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Buck-Boost Switching Regulator market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Buck-Boost Switching Regulator 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 Buck-Boost Switching Regulator.

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

Segmentation by Type:

Input Voltage Range: 3V-30V

Input Voltage Range: 30V-40V

Others

Segmentation by Circuit Topology:

Sepic Topology

Cuk Topology

Segmentation by Integration:

Single-chip Fully Integrated

External Controller Switch Type

Segmentation by Application:

Consumer Electronics

Automotive Electronics

Industrial

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

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.

Infineon

TI

Analog Devices

Renesas Electronics

STMicroelectronics

Nisshinbo Micro Devices

Microchip Technology

ROHM Semiconductor

Onsemi

Diodes Incorporated

NXP

RECOM

Semtech Corporation

OMNIVISION

Vicor Corporation

Key Questions Addressed in this Report

What is the 10-year outlook for the global Buck-Boost Switching Regulator market?

What factors are driving Buck-Boost Switching Regulator market growth, globally and by region?

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

How do Buck-Boost Switching Regulator market opportunities vary by end market size?

How does Buck-Boost Switching Regulator break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Buck-Boost Switching Regulator Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Buck-Boost Switching Regulator by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Buck-Boost Switching Regulator by Country/Region, 2021, 2025 & 2032
- 2.2 Buck-Boost Switching Regulator Segment by Type
 - 2.2.1 Input Voltage Range: 3V-30V
 - 2.2.2 Input Voltage Range: 30V-40V
 - 2.2.3 Others
 - 2.2.4 Buck-Boost Switching Regulator Sales by Type
 - 2.2.4.1 Global Buck-Boost Switching Regulator Sales Market Share by Type (2021-2026)
 - 2.2.4.2 Global Buck-Boost Switching Regulator Revenue and Market Share by Type (2021-2026)
 - 2.2.4.3 Global Buck-Boost Switching Regulator Sale Price by Type (2021-2026)
- 2.3 Buck-Boost Switching Regulator Segment by Circuit Topology
 - 2.3.1 Sepic Topology
 - 2.3.2 Cuk Topology
 - 2.3.3 Buck-Boost Switching Regulator Sales by Circuit Topology
 - 2.3.3.1 Global Buck-Boost Switching Regulator Sales Market Share by Circuit Topology (2021-2026)
 - 2.3.3.2 Global Buck-Boost Switching Regulator Revenue and Market Share by Circuit Topology (2021-2026)

- 2.3.3.3 Global Buck-Boost Switching Regulator Sale Price by Circuit Topology (2021-2026)
- 2.4 Buck-Boost Switching Regulator Segment by Integration
 - 2.4.1 Single-chip Fully Integrated
 - 2.4.2 External Controller Switch Type
 - 2.4.3 Buck-Boost Switching Regulator Sales by Integration
 - 2.4.3.1 Global Buck-Boost Switching Regulator Sales Market Share by Integration (2021-2026)
 - 2.4.3.2 Global Buck-Boost Switching Regulator Revenue and Market Share by Integration (2021-2026)
 - 2.4.3.3 Global Buck-Boost Switching Regulator Sale Price by Integration (2021-2026)
- 2.5 Buck-Boost Switching Regulator Segment by Application
 - 2.5.1 Consumer Electronics
 - 2.5.2 Automotive Electronics
 - 2.5.3 Industrial
 - 2.5.4 Others
 - 2.5.5 Buck-Boost Switching Regulator Sales by Application
 - 2.5.5.1 Global Buck-Boost Switching Regulator Sale Market Share by Application (2021-2026)
 - 2.5.5.2 Global Buck-Boost Switching Regulator Revenue and Market Share by Application (2021-2026)
 - 2.5.5.3 Global Buck-Boost Switching Regulator Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

- 3.1 Global Buck-Boost Switching Regulator Breakdown Data by Company
 - 3.1.1 Global Buck-Boost Switching Regulator Annual Sales by Company (2021-2026)
 - 3.1.2 Global Buck-Boost Switching Regulator Sales Market Share by Company (2021-2026)
- 3.2 Global Buck-Boost Switching Regulator Annual Revenue by Company (2021-2026)
 - 3.2.1 Global Buck-Boost Switching Regulator Revenue by Company (2021-2026)
 - 3.2.2 Global Buck-Boost Switching Regulator Revenue Market Share by Company (2021-2026)
- 3.3 Global Buck-Boost Switching Regulator Sale Price by Company
- 3.4 Key Manufacturers Buck-Boost Switching Regulator Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Buck-Boost Switching Regulator Product Location Distribution
 - 3.4.2 Players Buck-Boost Switching Regulator Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR BUCK-BOOST SWITCHING REGULATOR BY GEOGRAPHIC REGION

4.1 World Historic Buck-Boost Switching Regulator Market Size by Geographic Region (2021-2026)

4.1.1 Global Buck-Boost Switching Regulator Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Buck-Boost Switching Regulator Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Buck-Boost Switching Regulator Market Size by Country/Region (2021-2026)

4.2.1 Global Buck-Boost Switching Regulator Annual Sales by Country/Region (2021-2026)

4.2.2 Global Buck-Boost Switching Regulator Annual Revenue by Country/Region (2021-2026)

4.3 Americas Buck-Boost Switching Regulator Sales Growth

4.4 APAC Buck-Boost Switching Regulator Sales Growth

4.5 Europe Buck-Boost Switching Regulator Sales Growth

4.6 Middle East & Africa Buck-Boost Switching Regulator Sales Growth

5 AMERICAS

5.1 Americas Buck-Boost Switching Regulator Sales by Country

5.1.1 Americas Buck-Boost Switching Regulator Sales by Country (2021-2026)

5.1.2 Americas Buck-Boost Switching Regulator Revenue by Country (2021-2026)

5.2 Americas Buck-Boost Switching Regulator Sales by Type (2021-2026)

5.3 Americas Buck-Boost Switching Regulator Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Buck-Boost Switching Regulator Sales by Region

- 6.1.1 APAC Buck-Boost Switching Regulator Sales by Region (2021-2026)
- 6.1.2 APAC Buck-Boost Switching Regulator Revenue by Region (2021-2026)

6.2 APAC Buck-Boost Switching Regulator Sales by Type (2021-2026)

6.3 APAC Buck-Boost Switching Regulator Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Buck-Boost Switching Regulator by Country

- 7.1.1 Europe Buck-Boost Switching Regulator Sales by Country (2021-2026)
- 7.1.2 Europe Buck-Boost Switching Regulator Revenue by Country (2021-2026)

7.2 Europe Buck-Boost Switching Regulator Sales by Type (2021-2026)

7.3 Europe Buck-Boost Switching Regulator Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Buck-Boost Switching Regulator by Country

- 8.1.1 Middle East & Africa Buck-Boost Switching Regulator Sales by Country (2021-2026)

- 8.1.2 Middle East & Africa Buck-Boost Switching Regulator Revenue by Country (2021-2026)

8.2 Middle East & Africa Buck-Boost Switching Regulator Sales by Type (2021-2026)

8.3 Middle East & Africa Buck-Boost Switching Regulator Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Buck-Boost Switching Regulator

10.3 Manufacturing Process Analysis of Buck-Boost Switching Regulator

10.4 Industry Chain Structure of Buck-Boost Switching Regulator

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Buck-Boost Switching Regulator Distributors

11.3 Buck-Boost Switching Regulator Customer

12 WORLD FORECAST REVIEW FOR BUCK-BOOST SWITCHING REGULATOR BY GEOGRAPHIC REGION

12.1 Global Buck-Boost Switching Regulator Market Size Forecast by Region

12.1.1 Global Buck-Boost Switching Regulator Forecast by Region (2027-2032)

12.1.2 Global Buck-Boost Switching Regulator Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Buck-Boost Switching Regulator Forecast by Type (2027-2032)

12.7 Global Buck-Boost Switching Regulator Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Infineon

13.1.1 Infineon Company Information

13.1.2 Infineon Buck-Boost Switching Regulator Product Portfolios and Specifications

13.1.3 Infineon Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Infineon Main Business Overview

13.1.5 Infineon Latest Developments

13.2 TI

13.2.1 TI Company Information

13.2.2 TI Buck-Boost Switching Regulator Product Portfolios and Specifications

13.2.3 TI Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 TI Main Business Overview

13.2.5 TI Latest Developments

13.3 Analog Devices

13.3.1 Analog Devices Company Information

13.3.2 Analog Devices Buck-Boost Switching Regulator Product Portfolios and Specifications

13.3.3 Analog Devices Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Analog Devices Main Business Overview

13.3.5 Analog Devices Latest Developments

13.4 Renesas Electronics

13.4.1 Renesas Electronics Company Information

13.4.2 Renesas Electronics Buck-Boost Switching Regulator Product Portfolios and Specifications

13.4.3 Renesas Electronics Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Renesas Electronics Main Business Overview

13.4.5 Renesas Electronics Latest Developments

13.5 STMicroelectronics

13.5.1 STMicroelectronics Company Information

13.5.2 STMicroelectronics Buck-Boost Switching Regulator Product Portfolios and Specifications

13.5.3 STMicroelectronics Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 STMicroelectronics Main Business Overview

- 13.5.5 STMicroelectronics Latest Developments
- 13.6 Nisshinbo Micro Devices
 - 13.6.1 Nisshinbo Micro Devices Company Information
 - 13.6.2 Nisshinbo Micro Devices Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.6.3 Nisshinbo Micro Devices Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.6.4 Nisshinbo Micro Devices Main Business Overview
 - 13.6.5 Nisshinbo Micro Devices Latest Developments
- 13.7 Microchip Technology
 - 13.7.1 Microchip Technology Company Information
 - 13.7.2 Microchip Technology Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.7.3 Microchip Technology Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.7.4 Microchip Technology Main Business Overview
 - 13.7.5 Microchip Technology Latest Developments
- 13.8 ROHM Semiconductor
 - 13.8.1 ROHM Semiconductor Company Information
 - 13.8.2 ROHM Semiconductor Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.8.3 ROHM Semiconductor Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.8.4 ROHM Semiconductor Main Business Overview
 - 13.8.5 ROHM Semiconductor Latest Developments
- 13.9 Onsemi
 - 13.9.1 Onsemi Company Information
 - 13.9.2 Onsemi Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.9.3 Onsemi Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.9.4 Onsemi Main Business Overview
 - 13.9.5 Onsemi Latest Developments
- 13.10 Diodes Incorporated
 - 13.10.1 Diodes Incorporated Company Information
 - 13.10.2 Diodes Incorporated Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.10.3 Diodes Incorporated Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.10.4 Diodes Incorporated Main Business Overview

- 13.10.5 Diodes Incorporated Latest Developments
- 13.11 NXP
 - 13.11.1 NXP Company Information
 - 13.11.2 NXP Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.11.3 NXP Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 NXP Main Business Overview
 - 13.11.5 NXP Latest Developments
- 13.12 RECOM
 - 13.12.1 RECOM Company Information
 - 13.12.2 RECOM Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.12.3 RECOM Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.12.4 RECOM Main Business Overview
 - 13.12.5 RECOM Latest Developments
- 13.13 Semtech Corporation
 - 13.13.1 Semtech Corporation Company Information
 - 13.13.2 Semtech Corporation Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.13.3 Semtech Corporation Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.13.4 Semtech Corporation Main Business Overview
 - 13.13.5 Semtech Corporation Latest Developments
- 13.14 OMNIVISION
 - 13.14.1 OMNIVISION Company Information
 - 13.14.2 OMNIVISION Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.14.3 OMNIVISION Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.14.4 OMNIVISION Main Business Overview
 - 13.14.5 OMNIVISION Latest Developments
- 13.15 Vicor Corporation
 - 13.15.1 Vicor Corporation Company Information
 - 13.15.2 Vicor Corporation Buck-Boost Switching Regulator Product Portfolios and Specifications
 - 13.15.3 Vicor Corporation Buck-Boost Switching Regulator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.15.4 Vicor Corporation Main Business Overview

13.15.5 Vicor Corporation Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Buck-Boost Switching Regulator Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Buck-Boost Switching Regulator Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Input Voltage Range: 3V-30V

Table 4. Major Players of Input Voltage Range: 30V-40V

Table 5. Major Players of Others

Table 6. Global Buck-Boost Switching Regulator Sales by Type (2021-2026) & (K Units)

Table 7. Global Buck-Boost Switching Regulator Sales Market Share by Type (2021-2026)

Table 8. Global Buck-Boost Switching Regulator Revenue by Type (2021-2026) & (\$ million)

Table 9. Global Buck-Boost Switching Regulator Revenue Market Share by Type (2021-2026)

Table 10. Global Buck-Boost Switching Regulator Sale Price by Type (2021-2026) & (US\$/Unit)

Table 11. Major Players of Sepic Topology

Table 12. Major Players of Cuk Topology

Table 13. Global Buck-Boost Switching Regulator Sales by Circuit Topology (2021-2026) & (K Units)

Table 14. Global Buck-Boost Switching Regulator Sales Market Share by Circuit Topology (2021-2026)

Table 15. Global Buck-Boost Switching Regulator Revenue by Circuit Topology (2021-2026) & (\$ million)

Table 16. Global Buck-Boost Switching Regulator Revenue Market Share by Circuit Topology (2021-2026)

Table 17. Global Buck-Boost Switching Regulator Sale Price by Circuit Topology (2021-2026) & (US\$/Unit)

Table 18. Major Players of Single-chip Fully Integrated

Table 19. Major Players of External Controller Switch Type

Table 20. Global Buck-Boost Switching Regulator Sales by Integration (2021-2026) & (K Units)

Table 21. Global Buck-Boost Switching Regulator Sales Market Share by Integration (2021-2026)

Table 22. Global Buck-Boost Switching Regulator Revenue by Integration (2021-2026)

& (\$ million)

Table 23. Global Buck-Boost Switching Regulator Revenue Market Share by Integration (2021-2026)

Table 24. Global Buck-Boost Switching Regulator Sale Price by Integration (2021-2026) & (US\$/Unit)

Table 25. Global Buck-Boost Switching Regulator Sale by Application (2021-2026) & (K Units)

Table 26. Global Buck-Boost Switching Regulator Sale Market Share by Application (2021-2026)

Table 27. Global Buck-Boost Switching Regulator Revenue by Application (2021-2026) & (\$ million)

Table 28. Global Buck-Boost Switching Regulator Revenue Market Share by Application (2021-2026)

Table 29. Global Buck-Boost Switching Regulator Sale Price by Application (2021-2026) & (US\$/Unit)

Table 30. Global Buck-Boost Switching Regulator Sales by Company (2021-2026) & (K Units)

Table 31. Global Buck-Boost Switching Regulator Sales Market Share by Company (2021-2026)

Table 32. Global Buck-Boost Switching Regulator Revenue by Company (2021-2026) & (\$ millions)

Table 33. Global Buck-Boost Switching Regulator Revenue Market Share by Company (2021-2026)

Table 34. Global Buck-Boost Switching Regulator Sale Price by Company (2021-2026) & (US\$/Unit)

Table 35. Key Manufacturers Buck-Boost Switching Regulator Producing Area Distribution and Sales Area

Table 36. Players Buck-Boost Switching Regulator Products Offered

Table 37. Buck-Boost Switching Regulator Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 38. New Products and Potential Entrants

Table 39. Market M&A Activity & Strategy

Table 40. Global Buck-Boost Switching Regulator Sales by Geographic Region (2021-2026) & (K Units)

Table 41. Global Buck-Boost Switching Regulator Sales Market Share Geographic Region (2021-2026)

Table 42. Global Buck-Boost Switching Regulator Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 43. Global Buck-Boost Switching Regulator Revenue Market Share by

Geographic Region (2021-2026)

Table 44. Global Buck-Boost Switching Regulator Sales by Country/Region (2021-2026) & (K Units)

Table 45. Global Buck-Boost Switching Regulator Sales Market Share by Country/Region (2021-2026)

Table 46. Global Buck-Boost Switching Regulator Revenue by Country/Region (2021-2026) & (\$ millions)

Table 47. Global Buck-Boost Switching Regulator Revenue Market Share by Country/Region (2021-2026)

Table 48. Americas Buck-Boost Switching Regulator Sales by Country (2021-2026) & (K Units)

Table 49. Americas Buck-Boost Switching Regulator Sales Market Share by Country (2021-2026)

Table 50. Americas Buck-Boost Switching Regulator Revenue by Country (2021-2026) & (\$ millions)

Table 51. Americas Buck-Boost Switching Regulator Sales by Type (2021-2026) & (K Units)

Table 52. Americas Buck-Boost Switching Regulator Sales by Application (2021-2026) & (K Units)

Table 53. APAC Buck-Boost Switching Regulator Sales by Region (2021-2026) & (K Units)

Table 54. APAC Buck-Boost Switching Regulator Sales Market Share by Region (2021-2026)

Table 55. APAC Buck-Boost Switching Regulator Revenue by Region (2021-2026) & (\$ millions)

Table 56. APAC Buck-Boost Switching Regulator Sales by Type (2021-2026) & (K Units)

Table 57. APAC Buck-Boost Switching Regulator Sales by Application (2021-2026) & (K Units)

Table 58. Europe Buck-Boost Switching Regulator Sales by Country (2021-2026) & (K Units)

Table 59. Europe Buck-Boost Switching Regulator Revenue by Country (2021-2026) & (\$ millions)

Table 60. Europe Buck-Boost Switching Regulator Sales by Type (2021-2026) & (K Units)

Table 61. Europe Buck-Boost Switching Regulator Sales by Application (2021-2026) & (K Units)

Table 62. Middle East & Africa Buck-Boost Switching Regulator Sales by Country (2021-2026) & (K Units)

Table 63. Middle East & Africa Buck-Boost Switching Regulator Revenue Market Share by Country (2021-2026)

Table 64. Middle East & Africa Buck-Boost Switching Regulator Sales by Type (2021-2026) & (K Units)

Table 65. Middle East & Africa Buck-Boost Switching Regulator Sales by Application (2021-2026) & (K Units)

Table 66. Key Market Drivers & Growth Opportunities of Buck-Boost Switching Regulator

Table 67. Key Market Challenges & Risks of Buck-Boost Switching Regulator

Table 68. Key Industry Trends of Buck-Boost Switching Regulator

Table 69. Buck-Boost Switching Regulator Raw Material

Table 70. Key Suppliers of Raw Materials

Table 71. Buck-Boost Switching Regulator Distributors List

Table 72. Buck-Boost Switching Regulator Customer List

Table 73. Global Buck-Boost Switching Regulator Sales Forecast by Region (2027-2032) & (K Units)

Table 74. Global Buck-Boost Switching Regulator Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 75. Americas Buck-Boost Switching Regulator Sales Forecast by Country (2027-2032) & (K Units)

Table 76. Americas Buck-Boost Switching Regulator Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 77. APAC Buck-Boost Switching Regulator Sales Forecast by Region (2027-2032) & (K Units)

Table 78. APAC Buck-Boost Switching Regulator Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 79. Europe Buck-Boost Switching Regulator Sales Forecast by Country (2027-2032) & (K Units)

Table 80. Europe Buck-Boost Switching Regulator Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 81. Middle East & Africa Buck-Boost Switching Regulator Sales Forecast by Country (2027-2032) & (K Units)

Table 82. Middle East & Africa Buck-Boost Switching Regulator Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 83. Global Buck-Boost Switching Regulator Sales Forecast by Type (2027-2032) & (K Units)

Table 84. Global Buck-Boost Switching Regulator Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 85. Global Buck-Boost Switching Regulator Sales Forecast by Application

(2027-2032) & (K Units)

Table 86. Global Buck-Boost Switching Regulator Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 87. Infineon Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 88. Infineon Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 89. Infineon Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. Infineon Main Business

Table 91. Infineon Latest Developments

Table 92. TI Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 93. TI Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 94. TI Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. TI Main Business

Table 96. TI Latest Developments

Table 97. Analog Devices Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 98. Analog Devices Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 99. Analog Devices Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. Analog Devices Main Business

Table 101. Analog Devices Latest Developments

Table 102. Renesas Electronics Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 103. Renesas Electronics Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 104. Renesas Electronics Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. Renesas Electronics Main Business

Table 106. Renesas Electronics Latest Developments

Table 107. STMicroelectronics Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 108. STMicroelectronics Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 109. STMicroelectronics Buck-Boost Switching Regulator Sales (K Units),

Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. STMicroelectronics Main Business

Table 111. STMicroelectronics Latest Developments

Table 112. Nisshinbo Micro Devices Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 113. Nisshinbo Micro Devices Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 114. Nisshinbo Micro Devices Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 115. Nisshinbo Micro Devices Main Business

Table 116. Nisshinbo Micro Devices Latest Developments

Table 117. Microchip Technology Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 118. Microchip Technology Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 119. Microchip Technology Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 120. Microchip Technology Main Business

Table 121. Microchip Technology Latest Developments

Table 122. ROHM Semiconductor Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 123. ROHM Semiconductor Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 124. ROHM Semiconductor Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 125. ROHM Semiconductor Main Business

Table 126. ROHM Semiconductor Latest Developments

Table 127. Onsemi Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 128. Onsemi Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 129. Onsemi Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 130. Onsemi Main Business

Table 131. Onsemi Latest Developments

Table 132. Diodes Incorporated Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 133. Diodes Incorporated Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 134. Diodes Incorporated Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 135. Diodes Incorporated Main Business

Table 136. Diodes Incorporated Latest Developments

Table 137. NXP Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 138. NXP Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 139. NXP Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 140. NXP Main Business

Table 141. NXP Latest Developments

Table 142. RECOM Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 143. RECOM Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 144. RECOM Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 145. RECOM Main Business

Table 146. RECOM Latest Developments

Table 147. Semtech Corporation Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 148. Semtech Corporation Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 149. Semtech Corporation Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 150. Semtech Corporation Main Business

Table 151. Semtech Corporation Latest Developments

Table 152. OMNIVISION Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 153. OMNIVISION Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 154. OMNIVISION Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 155. OMNIVISION Main Business

Table 156. OMNIVISION Latest Developments

Table 157. Vicor Corporation Basic Information, Buck-Boost Switching Regulator Manufacturing Base, Sales Area and Its Competitors

Table 158. Vicor Corporation Buck-Boost Switching Regulator Product Portfolios and Specifications

Table 159. Vicor Corporation Buck-Boost Switching Regulator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 160. Vicor Corporation Main Business

Table 161. Vicor Corporation Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Buck-Boost Switching Regulator
- Figure 2. Buck-Boost Switching Regulator Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Buck-Boost Switching Regulator Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Buck-Boost Switching Regulator Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Buck-Boost Switching Regulator Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Buck-Boost Switching Regulator Sales Market Share by Country/Region (2025)
- Figure 10. Buck-Boost Switching Regulator Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Input Voltage Range: 3V-30V
- Figure 12. Product Picture of Input Voltage Range: 30V-40V
- Figure 13. Product Picture of Others
- Figure 14. Global Buck-Boost Switching Regulator Sales Market Share by Type in 2026
- Figure 15. Global Buck-Boost Switching Regulator Revenue Market Share by Type (2021-2026)
- Figure 16. Product Picture of Sepic Topology
- Figure 17. Product Picture of Cuk Topology
- Figure 18. Global Buck-Boost Switching Regulator Sales Market Share by Circuit Topology in 2026
- Figure 19. Global Buck-Boost Switching Regulator Revenue Market Share by Circuit Topology (2021-2026)
- Figure 20. Product Picture of Single-chip Fully Integrated
- Figure 21. Product Picture of External Controller Switch Type
- Figure 22. Global Buck-Boost Switching Regulator Sales Market Share by Integration in 2026
- Figure 23. Global Buck-Boost Switching Regulator Revenue Market Share by Integration (2021-2026)
- Figure 24. Buck-Boost Switching Regulator Consumed in Consumer Electronics
- Figure 25. Global Buck-Boost Switching Regulator Market: Consumer Electronics

(2021-2026) & (K Units)

Figure 26. Buck-Boost Switching Regulator Consumed in Automotive Electronics

Figure 27. Global Buck-Boost Switching Regulator Market: Automotive Electronics (2021-2026) & (K Units)

Figure 28. Buck-Boost Switching Regulator Consumed in Industrial

Figure 29. Global Buck-Boost Switching Regulator Market: Industrial (2021-2026) & (K Units)

Figure 30. Buck-Boost Switching Regulator Consumed in Others

Figure 31. Global Buck-Boost Switching Regulator Market: Others (2021-2026) & (K Units)

Figure 32. Global Buck-Boost Switching Regulator Sale Market Share by Application (2025)

Figure 33. Global Buck-Boost Switching Regulator Revenue Market Share by Application in 2025

Figure 34. Buck-Boost Switching Regulator Sales by Company in 2025 (K Units)

Figure 35. Global Buck-Boost Switching Regulator Sales Market Share by Company in 2025

Figure 36. Buck-Boost Switching Regulator Revenue by Company in 2025 (\$ millions)

Figure 37. Global Buck-Boost Switching Regulator Revenue Market Share by Company in 2025

Figure 38. Global Buck-Boost Switching Regulator Sales Market Share by Geographic Region (2021-2026)

Figure 39. Global Buck-Boost Switching Regulator Revenue Market Share by Geographic Region in 2025

Figure 40. Americas Buck-Boost Switching Regulator Sales 2021-2026 (K Units)

Figure 41. Americas Buck-Boost Switching Regulator Revenue 2021-2026 (\$ millions)

Figure 42. APAC Buck-Boost Switching Regulator Sales 2021-2026 (K Units)

Figure 43. APAC Buck-Boost Switching Regulator Revenue 2021-2026 (\$ millions)

Figure 44. Europe Buck-Boost Switching Regulator Sales 2021-2026 (K Units)

Figure 45. Europe Buck-Boost Switching Regulator Revenue 2021-2026 (\$ millions)

Figure 46. Middle East & Africa Buck-Boost Switching Regulator Sales 2021-2026 (K Units)

Figure 47. Middle East & Africa Buck-Boost Switching Regulator Revenue 2021-2026 (\$ millions)

Figure 48. Americas Buck-Boost Switching Regulator Sales Market Share by Country in 2025

Figure 49. Americas Buck-Boost Switching Regulator Revenue Market Share by Country (2021-2026)

Figure 50. Americas Buck-Boost Switching Regulator Sales Market Share by Type

(2021-2026)

Figure 51. Americas Buck-Boost Switching Regulator Sales Market Share by Application (2021-2026)

Figure 52. United States Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 53. Canada Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 54. Mexico Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 55. Brazil Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 56. APAC Buck-Boost Switching Regulator Sales Market Share by Region in 2025

Figure 57. APAC Buck-Boost Switching Regulator Revenue Market Share by Region (2021-2026)

Figure 58. APAC Buck-Boost Switching Regulator Sales Market Share by Type (2021-2026)

Figure 59. APAC Buck-Boost Switching Regulator Sales Market Share by Application (2021-2026)

Figure 60. China Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 61. Japan Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 62. South Korea Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 63. Southeast Asia Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 64. India Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 65. Australia Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 66. China Taiwan Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 67. Europe Buck-Boost Switching Regulator Sales Market Share by Country in 2025

Figure 68. Europe Buck-Boost Switching Regulator Revenue Market Share by Country (2021-2026)

Figure 69. Europe Buck-Boost Switching Regulator Sales Market Share by Type (2021-2026)

Figure 70. Europe Buck-Boost Switching Regulator Sales Market Share by Application (2021-2026)

Figure 71. Germany Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 72. France Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 73. UK Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 74. Italy Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 75. Russia Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 76. Middle East & Africa Buck-Boost Switching Regulator Sales Market Share by Country (2021-2026)

Figure 77. Middle East & Africa Buck-Boost Switching Regulator Sales Market Share by Type (2021-2026)

Figure 78. Middle East & Africa Buck-Boost Switching Regulator Sales Market Share by Application (2021-2026)

Figure 79. Egypt Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 80. South Africa Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 81. Israel Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 82. Turkey Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 83. GCC Countries Buck-Boost Switching Regulator Revenue Growth 2021-2026 (\$ millions)

Figure 84. Manufacturing Cost Structure Analysis of Buck-Boost Switching Regulator in 2026

Figure 85. Manufacturing Process Analysis of Buck-Boost Switching Regulator

Figure 86. Industry Chain Structure of Buck-Boost Switching Regulator

Figure 87. Channels of Distribution

Figure 88. Global Buck-Boost Switching Regulator Sales Market Forecast by Region (2027-2032)

Figure 89. Global Buck-Boost Switching Regulator Revenue Market Share Forecast by Region (2027-2032)

Figure 90. Global Buck-Boost Switching Regulator Sales Market Share Forecast by Type (2027-2032)

Figure 91. Global Buck-Boost Switching Regulator Revenue Market Share Forecast by

Type (2027-2032)

Figure 92. Global Buck-Boost Switching Regulator Sales Market Share Forecast by Application (2027-2032)

Figure 93. Global Buck-Boost Switching Regulator Revenue Market Share Forecast by Application (2027-2032)

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