

Global Buck-Boost Power SoC Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Buck-Boost Power SoC market size is expected to reach \$ 373 million by 2032, rising at a market growth of 9.1% CAGR during the forecast period (2026-2032).

Buck-Boost Power SoC is a highly integrated power management system-on-chip that combines voltage regulation, control logic, and power stage management to deliver both step-up and step-down conversion within a unified architecture. It integrates key power control functions into a single chip solution, reducing external component dependence while improving system efficiency, response speed, and design compactness.

Compared with controller-based solutions, it provides higher integration and simplified power system design, making it suitable for portable electronics and compact energy systems requiring efficient power conversion and space optimization. Its advantages include high conversion efficiency, strong integration level, fast dynamic response, and improved system reliability. In 2025, the capacity utilization rate was about 80%, and the average gross margin reached approximately 35%, reflecting solid operating efficiency and favorable profitability. Production in 2025 totaled 150 million units, with an average price of \$1.3 per unit. The upstream primarily consists of silicon wafers, photolithography machines, and etching/deposition equipment, forming the foundation of semiconductor manufacturing. The midstream focuses on SoC design, wafer fabrication, testing, and packaging, which determine performance, efficiency, and reliability. The downstream is mainly concentrated in outdoor power supplies and power banks, with key customers including Anker, EcoFlow, Xiaomi, and Baseus.

Buck-Boost Power SoC is a highly integrated system-on-chip power management solution capable of regulating output voltage efficiently across input voltages that may be above, below, or equal to the output. It typically combines synchronous buck-boost DC-DC conversion, intelligent power path management, battery interface control,

protection circuits (overvoltage, overcurrent, short-circuit, overtemperature), and often supports USB fast-charging protocols such as PD/QC/PPS.

This report studies the global Buck-Boost Power SoC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Buck-Boost Power SoC and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Buck-Boost Power SoC that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Buck-Boost Power SoC total production and demand, 2021-2032, (Million Units)

Global Buck-Boost Power SoC total production value, 2021-2032, (USD Million)

Global Buck-Boost Power SoC production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Buck-Boost Power SoC consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Buck-Boost Power SoC domestic production, consumption, key domestic manufacturers and share

Global Buck-Boost Power SoC production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Buck-Boost Power SoC production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Buck-Boost Power SoC production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Buck-Boost Power SoC market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Southchip (China), Silergy (China), JoulWatt (China), Zhuhai iSmartWare (China), Powlicon (China), Hangzhou Ruimeng (China), Shenzhen Lowpower (China), Texas Instruments (USA), Si-Power (China), Renesas Electronics (Japan), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World ?Buck-Boost Power SoC market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global ?Buck-Boost Power SoC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global ?Buck-Boost Power SoC Market, Segmentation by Type:

Below 50W

50W-100W

Above 100W

Global Buck-Boost Power SoC Market, Segmentation by Control Architecture:

PWM Control

PFM Control

Others

Global Buck-Boost Power SoC Market, Segmentation by Package:

SOT-23

QFN/DFN

Others

Global Buck-Boost Power SoC Market, Segmentation by Application:

Consumer Electronics

Communication Equipment

Industrial Automation

Others

Companies Profiled:

Southchip (China)

Silergy (China)

JoulWatt (China)

Zhuhai iSmartWare (China)

Powlicon (China)

Hangzhou Ruimeng (China)

Shenzhen Lowpower (China)

Texas Instruments (USA)

Si-Power (China)

Renesas Electronics (Japan)

Infineon Technologies (Germany)

STMicroelectronics (Switzerland)

Key Questions Answered:

1. How big is the global ?Buck-Boost Power SoC market?
2. What is the demand of the global ?Buck-Boost Power SoC market?
3. What is the year over year growth of the global ?Buck-Boost Power SoC market?
4. What is the production and production value of the global ?Buck-Boost Power SoC market?
5. Who are the key producers in the global ?Buck-Boost Power SoC market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 ?Buck-Boost Power SoC Introduction
- 1.2 World ?Buck-Boost Power SoC Supply & Forecast
 - 1.2.1 World ?Buck-Boost Power SoC Production Value (2021 & 2025 & 2032)
 - 1.2.2 World ?Buck-Boost Power SoC Production (2021-2032)
 - 1.2.3 World ?Buck-Boost Power SoC Pricing Trends (2021-2032)
- 1.3 World ?Buck-Boost Power SoC Production by Region (Based on Production Site)
 - 1.3.1 World ?Buck-Boost Power SoC Production Value by Region (2021-2032)
 - 1.3.2 World ?Buck-Boost Power SoC Production by Region (2021-2032)
 - 1.3.3 World ?Buck-Boost Power SoC Average Price by Region (2021-2032)
 - 1.3.4 North America ?Buck-Boost Power SoC Production (2021-2032)
 - 1.3.5 Europe ?Buck-Boost Power SoC Production (2021-2032)
 - 1.3.6 China ?Buck-Boost Power SoC Production (2021-2032)
 - 1.3.7 Japan ?Buck-Boost Power SoC Production (2021-2032)
 - 1.3.8 South Korea ?Buck-Boost Power SoC Production (2021-2032)
 - 1.3.9 Southeast Asia ?Buck-Boost Power SoC Production (2021-2032)
 - 1.3.10 China Taiwan ?Buck-Boost Power SoC Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 ?Buck-Boost Power SoC Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 ?Buck-Boost Power SoC Major Market Trends

2 DEMAND SUMMARY

- 2.1 World ?Buck-Boost Power SoC Demand (2021-2032)
- 2.2 World ?Buck-Boost Power SoC Consumption by Region
 - 2.2.1 World ?Buck-Boost Power SoC Consumption by Region (2021-2026)
 - 2.2.2 World ?Buck-Boost Power SoC Consumption Forecast by Region (2027-2032)
- 2.3 United States ?Buck-Boost Power SoC Consumption (2021-2032)
- 2.4 China ?Buck-Boost Power SoC Consumption (2021-2032)
- 2.5 Europe ?Buck-Boost Power SoC Consumption (2021-2032)
- 2.6 Japan ?Buck-Boost Power SoC Consumption (2021-2032)
- 2.7 South Korea ?Buck-Boost Power SoC Consumption (2021-2032)
- 2.8 ASEAN ?Buck-Boost Power SoC Consumption (2021-2032)
- 2.9 India ?Buck-Boost Power SoC Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World ?Buck-Boost Power SoC Production Value by Manufacturer (2021-2026)
- 3.2 World ?Buck-Boost Power SoC Production by Manufacturer (2021-2026)
- 3.3 World ?Buck-Boost Power SoC Average Price by Manufacturer (2021-2026)
- 3.4 ?Buck-Boost Power SoC Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global ?Buck-Boost Power SoC Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for ?Buck-Boost Power SoC in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for ?Buck-Boost Power SoC in 2025
- 3.6 ?Buck-Boost Power SoC Market: Overall Company Footprint Analysis
 - 3.6.1 ?Buck-Boost Power SoC Market: Region Footprint
 - 3.6.2 ?Buck-Boost Power SoC Market: Company Product Type Footprint
 - 3.6.3 ?Buck-Boost Power SoC Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: ?Buck-Boost Power SoC Production Value Comparison
 - 4.1.1 United States VS China: ?Buck-Boost Power SoC Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: ?Buck-Boost Power SoC Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: ?Buck-Boost Power SoC Production Comparison
 - 4.2.1 United States VS China: ?Buck-Boost Power SoC Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: ?Buck-Boost Power SoC Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: ?Buck-Boost Power SoC Consumption Comparison
 - 4.3.1 United States VS China: ?Buck-Boost Power SoC Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: ?Buck-Boost Power SoC Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based ?Buck-Boost Power SoC Manufacturers and Market Share,

2021-2026

4.4.1 United States Based ?Buck-Boost Power SoC Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers ?Buck-Boost Power SoC Production Value (2021-2026)

4.4.3 United States Based Manufacturers ?Buck-Boost Power SoC Production (2021-2026)

4.5 China Based ?Buck-Boost Power SoC Manufacturers and Market Share

4.5.1 China Based ?Buck-Boost Power SoC Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers ?Buck-Boost Power SoC Production Value (2021-2026)

4.5.3 China Based Manufacturers ?Buck-Boost Power SoC Production (2021-2026)

4.6 Rest of World Based ?Buck-Boost Power SoC Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based ?Buck-Boost Power SoC Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers ?Buck-Boost Power SoC Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers ?Buck-Boost Power SoC Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World ?Buck-Boost Power SoC Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Below 50W

5.2.2 50W-100W

5.2.3 Above 100W

5.3 Market Segment by Type

5.3.1 World ?Buck-Boost Power SoC Production by Type (2021-2032)

5.3.2 World ?Buck-Boost Power SoC Production Value by Type (2021-2032)

5.3.3 World ?Buck-Boost Power SoC Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY CONTROL ARCHITECTURE

6.1 World ?Buck-Boost Power SoC Market Size Overview by Control Architecture: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Control Architecture

6.2.1 PWM Control

6.2.2 PFM Control

6.2.3 Others

6.3 Market Segment by Control Architecture

6.3.1 World ?Buck-Boost Power SoC Production by Control Architecture (2021-2032)

6.3.2 World ?Buck-Boost Power SoC Production Value by Control Architecture (2021-2032)

6.3.3 World ?Buck-Boost Power SoC Average Price by Control Architecture (2021-2032)

7 MARKET ANALYSIS BY PACKAGE

7.1 World ?Buck-Boost Power SoC Market Size Overview by Package: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Package

7.2.1 SOT-23

7.2.2 QFN/DFN

7.2.3 Others

7.3 Market Segment by Package

7.3.1 World ?Buck-Boost Power SoC Production by Package (2021-2032)

7.3.2 World ?Buck-Boost Power SoC Production Value by Package (2021-2032)

7.3.3 World ?Buck-Boost Power SoC Average Price by Package (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World ?Buck-Boost Power SoC Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Consumer Electronics

8.2.2 Communication Equipment

8.2.3 Industrial Automation

8.2.4 Others

8.3 Market Segment by Application

8.3.1 World ?Buck-Boost Power SoC Production by Application (2021-2032)

8.3.2 World ?Buck-Boost Power SoC Production Value by Application (2021-2032)

8.3.3 World ?Buck-Boost Power SoC Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Southchip (China)

9.1.1 Southchip (China) Details

9.1.2 Southchip (China) Major Business

9.1.3 Southchip (China) ?Buck-Boost Power SoC Product and Services

9.1.4 Southchip (China) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Southchip (China) Recent Developments/Updates

9.1.6 Southchip (China) Competitive Strengths & Weaknesses

9.2 Silergy (China)

9.2.1 Silergy (China) Details

9.2.2 Silergy (China) Major Business

9.2.3 Silergy (China) ?Buck-Boost Power SoC Product and Services

9.2.4 Silergy (China) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Silergy (China) Recent Developments/Updates

9.2.6 Silergy (China) Competitive Strengths & Weaknesses

9.3 JoulWatt (China)

9.3.1 JoulWatt (China) Details

9.3.2 JoulWatt (China) Major Business

9.3.3 JoulWatt (China) ?Buck-Boost Power SoC Product and Services

9.3.4 JoulWatt (China) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 JoulWatt (China) Recent Developments/Updates

9.3.6 JoulWatt (China) Competitive Strengths & Weaknesses

9.4 Zhuhai iSmartWare (China)

9.4.1 Zhuhai iSmartWare (China) Details

9.4.2 Zhuhai iSmartWare (China) Major Business

9.4.3 Zhuhai iSmartWare (China) ?Buck-Boost Power SoC Product and Services

9.4.4 Zhuhai iSmartWare (China) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Zhuhai iSmartWare (China) Recent Developments/Updates

9.4.6 Zhuhai iSmartWare (China) Competitive Strengths & Weaknesses

9.5 Powlicon (China)

9.5.1 Powlicon (China) Details

9.5.2 Powlicon (China) Major Business

9.5.3 Powlicon (China) ?Buck-Boost Power SoC Product and Services

9.5.4 Powlicon (China) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.5.5 Powlicon (China) Recent Developments/Updates
- 9.5.6 Powlicon (China) Competitive Strengths & Weaknesses
- 9.6 Hangzhou Ruimeng (China)
 - 9.6.1 Hangzhou Ruimeng (China) Details
 - 9.6.2 Hangzhou Ruimeng (China) Major Business
 - 9.6.3 Hangzhou Ruimeng (China) ?Buck-Boost Power SoC Product and Services
 - 9.6.4 Hangzhou Ruimeng (China) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Hangzhou Ruimeng (China) Recent Developments/Updates
 - 9.6.6 Hangzhou Ruimeng (China) Competitive Strengths & Weaknesses
- 9.7 Shenzhen Lowpower (China)
 - 9.7.1 Shenzhen Lowpower (China) Details
 - 9.7.2 Shenzhen Lowpower (China) Major Business
 - 9.7.3 Shenzhen Lowpower (China) ?Buck-Boost Power SoC Product and Services
 - 9.7.4 Shenzhen Lowpower (China) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Shenzhen Lowpower (China) Recent Developments/Updates
 - 9.7.6 Shenzhen Lowpower (China) Competitive Strengths & Weaknesses
- 9.8 Texas Instruments (USA)
 - 9.8.1 Texas Instruments (USA) Details
 - 9.8.2 Texas Instruments (USA) Major Business
 - 9.8.3 Texas Instruments (USA) ?Buck-Boost Power SoC Product and Services
 - 9.8.4 Texas Instruments (USA) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Texas Instruments (USA) Recent Developments/Updates
 - 9.8.6 Texas Instruments (USA) Competitive Strengths & Weaknesses
- 9.9 Si-Power (China)
 - 9.9.1 Si-Power (China) Details
 - 9.9.2 Si-Power (China) Major Business
 - 9.9.3 Si-Power (China) ?Buck-Boost Power SoC Product and Services
 - 9.9.4 Si-Power (China) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Si-Power (China) Recent Developments/Updates
 - 9.9.6 Si-Power (China) Competitive Strengths & Weaknesses
- 9.10 Renesas Electronics (Japan)
 - 9.10.1 Renesas Electronics (Japan) Details
 - 9.10.2 Renesas Electronics (Japan) Major Business
 - 9.10.3 Renesas Electronics (Japan) ?Buck-Boost Power SoC Product and Services
 - 9.10.4 Renesas Electronics (Japan) ?Buck-Boost Power SoC Production, Price, Value,

Gross Margin and Market Share (2021-2026)

9.10.5 Renesas Electronics (Japan) Recent Developments/Updates

9.10.6 Renesas Electronics (Japan) Competitive Strengths & Weaknesses

9.11 Infineon Technologies (Germany)

9.11.1 Infineon Technologies (Germany) Details

9.11.2 Infineon Technologies (Germany) Major Business

9.11.3 Infineon Technologies (Germany) ?Buck-Boost Power SoC Product and Services

9.11.4 Infineon Technologies (Germany) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Infineon Technologies (Germany) Recent Developments/Updates

9.11.6 Infineon Technologies (Germany) Competitive Strengths & Weaknesses

9.12 STMicroelectronics (Switzerland)

9.12.1 STMicroelectronics (Switzerland) Details

9.12.2 STMicroelectronics (Switzerland) Major Business

9.12.3 STMicroelectronics (Switzerland) ?Buck-Boost Power SoC Product and Services

9.12.4 STMicroelectronics (Switzerland) ?Buck-Boost Power SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 STMicroelectronics (Switzerland) Recent Developments/Updates

9.12.6 STMicroelectronics (Switzerland) Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 ?Buck-Boost Power SoC Industry Chain

10.2 ?Buck-Boost Power SoC Upstream Analysis

10.2.1 ?Buck-Boost Power SoC Core Raw Materials

10.2.2 Main Manufacturers of ?Buck-Boost Power SoC Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 ?Buck-Boost Power SoC Production Mode

10.6 ?Buck-Boost Power SoC Procurement Model

10.7 ?Buck-Boost Power SoC Industry Sales Model and Sales Channels

10.7.1 ?Buck-Boost Power SoC Sales Model

10.7.2 ?Buck-Boost Power SoC Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World ?Buck-Boost Power SoC Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World ?Buck-Boost Power SoC Production Value by Region (2021-2026) & (USD Million)

Table 3. World ?Buck-Boost Power SoC Production Value by Region (2027-2032) & (USD Million)

Table 4. World ?Buck-Boost Power SoC Production Value Market Share by Region (2021-2026)

Table 5. World ?Buck-Boost Power SoC Production Value Market Share by Region (2027-2032)

Table 6. World ?Buck-Boost Power SoC Production by Region (2021-2026) & (Million Units)

Table 7. World ?Buck-Boost Power SoC Production by Region (2027-2032) & (Million Units)

Table 8. World ?Buck-Boost Power SoC Production Market Share by Region (2021-2026)

Table 9. World ?Buck-Boost Power SoC Production Market Share by Region (2027-2032)

Table 10. World ?Buck-Boost Power SoC Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World ?Buck-Boost Power SoC Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. ?Buck-Boost Power SoC Major Market Trends

Table 13. World ?Buck-Boost Power SoC Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Million Units)

Table 14. World ?Buck-Boost Power SoC Consumption by Region (2021-2026) & (Million Units)

Table 15. World ?Buck-Boost Power SoC Consumption Forecast by Region (2027-2032) & (Million Units)

Table 16. World ?Buck-Boost Power SoC Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key ?Buck-Boost Power SoC Producers in 2025

Table 18. World ?Buck-Boost Power SoC Production by Manufacturer (2021-2026) & (Million Units)

Table 19. Production Market Share of Key Buck-Boost Power SoC Producers in 2025
Table 20. World Buck-Boost Power SoC Average Price by Manufacturer (2021-2026) & (US\$/Unit)
Table 21. Global Buck-Boost Power SoC Company Evaluation Quadrant
Table 22. World Buck-Boost Power SoC Industry Rank of Major Manufacturers, Based on Production Value in 2025
Table 23. Head Office and Buck-Boost Power SoC Production Site of Key Manufacturer
Table 24. Buck-Boost Power SoC Market: Company Product Type Footprint
Table 25. Buck-Boost Power SoC Market: Company Product Application Footprint
Table 26. Buck-Boost Power SoC Competitive Factors
Table 27. Buck-Boost Power SoC New Entrant and Capacity Expansion Plans
Table 28. Buck-Boost Power SoC Mergers & Acquisitions Activity
Table 29. United States VS China Buck-Boost Power SoC Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
Table 30. United States VS China Buck-Boost Power SoC Production Comparison, (2021 & 2025 & 2032) & (Million Units)
Table 31. United States VS China Buck-Boost Power SoC Consumption Comparison, (2021 & 2025 & 2032) & (Million Units)
Table 32. United States Based Buck-Boost Power SoC Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers Buck-Boost Power SoC Production Value, (2021-2026) & (USD Million)
Table 34. United States Based Manufacturers Buck-Boost Power SoC Production Value Market Share (2021-2026)
Table 35. United States Based Manufacturers Buck-Boost Power SoC Production (2021-2026) & (Million Units)
Table 36. United States Based Manufacturers Buck-Boost Power SoC Production Market Share (2021-2026)
Table 37. China Based Buck-Boost Power SoC Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers Buck-Boost Power SoC Production Value, (2021-2026) & (USD Million)
Table 39. China Based Manufacturers Buck-Boost Power SoC Production Value Market Share (2021-2026)
Table 40. China Based Manufacturers Buck-Boost Power SoC Production, (2021-2026) & (Million Units)
Table 41. China Based Manufacturers Buck-Boost Power SoC Production Market Share (2021-2026)

Table 42. Rest of World Based ?Buck-Boost Power SoC Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers ?Buck-Boost Power SoC Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers ?Buck-Boost Power SoC Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers ?Buck-Boost Power SoC Production, (2021-2026) & (Million Units)

Table 46. Rest of World Based Manufacturers ?Buck-Boost Power SoC Production Market Share (2021-2026)

Table 47. World ?Buck-Boost Power SoC Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World ?Buck-Boost Power SoC Production by Type (2021-2026) & (Million Units)

Table 49. World ?Buck-Boost Power SoC Production by Type (2027-2032) & (Million Units)

Table 50. World ?Buck-Boost Power SoC Production Value by Type (2021-2026) & (USD Million)

Table 51. World ?Buck-Boost Power SoC Production Value by Type (2027-2032) & (USD Million)

Table 52. World ?Buck-Boost Power SoC Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World ?Buck-Boost Power SoC Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World ?Buck-Boost Power SoC Production Value by Control Architecture, (USD Million), 2021 & 2025 & 2032

Table 55. World ?Buck-Boost Power SoC Production by Control Architecture (2021-2026) & (Million Units)

Table 56. World ?Buck-Boost Power SoC Production by Control Architecture (2027-2032) & (Million Units)

Table 57. World ?Buck-Boost Power SoC Production Value by Control Architecture (2021-2026) & (USD Million)

Table 58. World ?Buck-Boost Power SoC Production Value by Control Architecture (2027-2032) & (USD Million)

Table 59. World ?Buck-Boost Power SoC Average Price by Control Architecture (2021-2026) & (US\$/Unit)

Table 60. World ?Buck-Boost Power SoC Average Price by Control Architecture (2027-2032) & (US\$/Unit)

Table 61. World ?Buck-Boost Power SoC Production Value by Package, (USD Million),

2021 & 2025 & 2032

Table 62. World ?Buck-Boost Power SoC Production by Package (2021-2026) & (Million Units)

Table 63. World ?Buck-Boost Power SoC Production by Package (2027-2032) & (Million Units)

Table 64. World ?Buck-Boost Power SoC Production Value by Package (2021-2026) & (USD Million)

Table 65. World ?Buck-Boost Power SoC Production Value by Package (2027-2032) & (USD Million)

Table 66. World ?Buck-Boost Power SoC Average Price by Package (2021-2026) & (US\$/Unit)

Table 67. World ?Buck-Boost Power SoC Average Price by Package (2027-2032) & (US\$/Unit)

Table 68. World ?Buck-Boost Power SoC Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World ?Buck-Boost Power SoC Production by Application (2021-2026) & (Million Units)

Table 70. World ?Buck-Boost Power SoC Production by Application (2027-2032) & (Million Units)

Table 71. World ?Buck-Boost Power SoC Production Value by Application (2021-2026) & (USD Million)

Table 72. World ?Buck-Boost Power SoC Production Value by Application (2027-2032) & (USD Million)

Table 73. World ?Buck-Boost Power SoC Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World ?Buck-Boost Power SoC Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Southchip (China) Basic Information, Manufacturing Base and Competitors

Table 76. Southchip (China) Major Business

Table 77. Southchip (China) ?Buck-Boost Power SoC Product and Services

Table 78. Southchip (China) ?Buck-Boost Power SoC Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Southchip (China) Recent Developments/Updates

Table 80. Southchip (China) Competitive Strengths & Weaknesses

Table 81. Silergy (China) Basic Information, Manufacturing Base and Competitors

Table 82. Silergy (China) Major Business

Table 83. Silergy (China) ?Buck-Boost Power SoC Product and Services

Table 84. Silergy (China) ?Buck-Boost Power SoC Production (Million Units), Price

(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share
(2021-2026)

Table 85. Silergy (China) Recent Developments/Updates

Table 86. Silergy (China) Competitive Strengths & Weaknesses

Table 87. JoulWatt (China) Basic Information, Manufacturing Base and Competitors

Table 88. JoulWatt (China) Major Business

Table 89. JoulWatt (China) ?Buck-Boost Power SoC Product and Services

Table 90. JoulWatt (China) ?Buck-Boost Power SoC Production (Million Units), Price
(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share
(2021-2026)

Table 91. JoulWatt (China) Recent Developments/Updates

Table 92. JoulWatt (China) Competitive Strengths & Weaknesses

Table 93. Zhuhai iSmartWare (China) Basic Information, Manufacturing Base and
Competitors

Table 94. Zhuhai iSmartWare (China) Major Business

Table 95. Zhuhai iSmartWare (China) ?Buck-Boost Power SoC Product and Services

Table 96. Zhuhai iSmartWare (China) ?Buck-Boost Power SoC Production (Million
Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market
Share (2021-2026)

Table 97. Zhuhai iSmartWare (China) Recent Developments/Updates

Table 98. Zhuhai iSmartWare (China) Competitive Strengths & Weaknesses

Table 99. Powlicon (China) Basic Information, Manufacturing Base and Competitors

Table 100. Powlicon (China) Major Business

Table 101. Powlicon (China) ?Buck-Boost Power SoC Product and Services

Table 102. Powlicon (China) ?Buck-Boost Power SoC Production (Million Units), Price
(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share
(2021-2026)

Table 103. Powlicon (China) Recent Developments/Updates

Table 104. Powlicon (China) Competitive Strengths & Weaknesses

Table 105. Hangzhou Ruimeng (China) Basic Information, Manufacturing Base and
Competitors

Table 106. Hangzhou Ruimeng (China) Major Business

Table 107. Hangzhou Ruimeng (China) ?Buck-Boost Power SoC Product and Services

Table 108. Hangzhou Ruimeng (China) ?Buck-Boost Power SoC Production (Million
Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market
Share (2021-2026)

Table 109. Hangzhou Ruimeng (China) Recent Developments/Updates

Table 110. Hangzhou Ruimeng (China) Competitive Strengths & Weaknesses

Table 111. Shenzhen Lowpower (China) Basic Information, Manufacturing Base and

Competitors

Table 112. Shenzhen Lowpower (China) Major Business

Table 113. Shenzhen Lowpower (China) ?Buck-Boost Power SoC Product and Services

Table 114. Shenzhen Lowpower (China) ?Buck-Boost Power SoC Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Shenzhen Lowpower (China) Recent Developments/Updates

Table 116. Shenzhen Lowpower (China) Competitive Strengths & Weaknesses

Table 117. Texas Instruments (USA) Basic Information, Manufacturing Base and Competitors

Table 118. Texas Instruments (USA) Major Business

Table 119. Texas Instruments (USA) ?Buck-Boost Power SoC Product and Services

Table 120. Texas Instruments (USA) ?Buck-Boost Power SoC Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Texas Instruments (USA) Recent Developments/Updates

Table 122. Texas Instruments (USA) Competitive Strengths & Weaknesses

Table 123. Si-Power (China) Basic Information, Manufacturing Base and Competitors

Table 124. Si-Power (China) Major Business

Table 125. Si-Power (China) ?Buck-Boost Power SoC Product and Services

Table 126. Si-Power (China) ?Buck-Boost Power SoC Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Si-Power (China) Recent Developments/Updates

Table 128. Si-Power (China) Competitive Strengths & Weaknesses

Table 129. Renesas Electronics (Japan) Basic Information, Manufacturing Base and Competitors

Table 130. Renesas Electronics (Japan) Major Business

Table 131. Renesas Electronics (Japan) ?Buck-Boost Power SoC Product and Services

Table 132. Renesas Electronics (Japan) ?Buck-Boost Power SoC Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Renesas Electronics (Japan) Recent Developments/Updates

Table 134. Renesas Electronics (Japan) Competitive Strengths & Weaknesses

Table 135. Infineon Technologies (Germany) Basic Information, Manufacturing Base and Competitors

Table 136. Infineon Technologies (Germany) Major Business

Table 137. Infineon Technologies (Germany) ?Buck-Boost Power SoC Product and Services

Table 138. Infineon Technologies (Germany) ?Buck-Boost Power SoC Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Infineon Technologies (Germany) Recent Developments/Updates

Table 140. Infineon Technologies (Germany) Competitive Strengths & Weaknesses

Table 141. STMicroelectronics (Switzerland) Basic Information, Manufacturing Base and Competitors

Table 142. STMicroelectronics (Switzerland) Major Business

Table 143. STMicroelectronics (Switzerland) ?Buck-Boost Power SoC Product and Services

Table 144. STMicroelectronics (Switzerland) ?Buck-Boost Power SoC Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. STMicroelectronics (Switzerland) Recent Developments/Updates

Table 146. STMicroelectronics (Switzerland) Competitive Strengths & Weaknesses

Table 147. Global Key Players of ?Buck-Boost Power SoC Upstream (Raw Materials)

Table 148. Global ?Buck-Boost Power SoC Typical Customers

Table 149. ?Buck-Boost Power SoC Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Buck-Boost Power SoC Picture
- Figure 2. World Buck-Boost Power SoC Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Buck-Boost Power SoC Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Buck-Boost Power SoC Production (2021-2032) & (Million Units)
- Figure 5. World Buck-Boost Power SoC Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World Buck-Boost Power SoC Production Value Market Share by Region (2021-2032)
- Figure 7. World Buck-Boost Power SoC Production Market Share by Region (2021-2032)
- Figure 8. North America Buck-Boost Power SoC Production (2021-2032) & (Million Units)
- Figure 9. Europe Buck-Boost Power SoC Production (2021-2032) & (Million Units)
- Figure 10. China Buck-Boost Power SoC Production (2021-2032) & (Million Units)
- Figure 11. Japan Buck-Boost Power SoC Production (2021-2032) & (Million Units)
- Figure 12. South Korea Buck-Boost Power SoC Production (2021-2032) & (Million Units)
- Figure 13. Southeast Asia Buck-Boost Power SoC Production (2021-2032) & (Million Units)
- Figure 14. China Taiwan Buck-Boost Power SoC Production (2021-2032) & (Million Units)
- Figure 15. Buck-Boost Power SoC Market Drivers
- Figure 16. Factors Affecting Demand
- Figure 17. World Buck-Boost Power SoC Consumption (2021-2032) & (Million Units)
- Figure 18. World Buck-Boost Power SoC Consumption Market Share by Region (2021-2032)
- Figure 19. United States Buck-Boost Power SoC Consumption (2021-2032) & (Million Units)
- Figure 20. China Buck-Boost Power SoC Consumption (2021-2032) & (Million Units)
- Figure 21. Europe Buck-Boost Power SoC Consumption (2021-2032) & (Million Units)
- Figure 22. Japan Buck-Boost Power SoC Consumption (2021-2032) & (Million Units)
- Figure 23. South Korea Buck-Boost Power SoC Consumption (2021-2032) & (Million Units)
- Figure 24. ASEAN Buck-Boost Power SoC Consumption (2021-2032) & (Million Units)

Figure 25. India ?Buck-Boost Power SoC Consumption (2021-2032) & (Million Units)

Figure 26. Producer Shipments of ?Buck-Boost Power SoC by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for ?Buck-Boost Power SoC Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for ?Buck-Boost Power SoC Markets in 2025

Figure 29. United States VS China: ?Buck-Boost Power SoC Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: ?Buck-Boost Power SoC Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: ?Buck-Boost Power SoC Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers ?Buck-Boost Power SoC Production Market Share 2025

Figure 33. China Based Manufacturers ?Buck-Boost Power SoC Production Market Share 2025

Figure 34. Rest of World Based Manufacturers ?Buck-Boost Power SoC Production Market Share 2025

Figure 35. World ?Buck-Boost Power SoC Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World ?Buck-Boost Power SoC Production Value Market Share by Type in 2025

Figure 37. Below 50W

Figure 38. 50W-100W

Figure 39. Above 100W

Figure 40. World ?Buck-Boost Power SoC Production Market Share by Type (2021-2032)

Figure 41. World ?Buck-Boost Power SoC Production Value Market Share by Type (2021-2032)

Figure 42. World ?Buck-Boost Power SoC Average Price by Type (2021-2032) & (US\$/Unit)

Figure 43. World ?Buck-Boost Power SoC Production Value by Control Architecture, (USD Million), 2021 & 2025 & 2032

Figure 44. World ?Buck-Boost Power SoC Production Value Market Share by Control Architecture in 2025

Figure 45. PWM Control

Figure 46. PFM Control

Figure 47. Others

Figure 48. World ?Buck-Boost Power SoC Production Market Share by Control Architecture (2021-2032)

Figure 49. World ?Buck-Boost Power SoC Production Value Market Share by Control Architecture (2021-2032)

Figure 50. World ?Buck-Boost Power SoC Average Price by Control Architecture (2021-2032) & (US\$/Unit)

Figure 51. World ?Buck-Boost Power SoC Production Value by Package, (USD Million), 2021 & 2025 & 2032

Figure 52. World ?Buck-Boost Power SoC Production Value Market Share by Package in 2025

Figure 53. SOT-23

Figure 54. QFN/DFN

Figure 55. Others

Figure 56. World ?Buck-Boost Power SoC Production Market Share by Package (2021-2032)

Figure 57. World ?Buck-Boost Power SoC Production Value Market Share by Package (2021-2032)

Figure 58. World ?Buck-Boost Power SoC Average Price by Package (2021-2032) & (US\$/Unit)

Figure 59. World ?Buck-Boost Power SoC Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World ?Buck-Boost Power SoC Production Value Market Share by Application in 2025

Figure 61. Consumer Electronics

Figure 62. Communication Equipment

Figure 63. Industrial Automation

Figure 64. Others

Figure 65. World ?Buck-Boost Power SoC Production Market Share by Application (2021-2032)

Figure 66. World ?Buck-Boost Power SoC Production Value Market Share by Application (2021-2032)

Figure 67. World ?Buck-Boost Power SoC Average Price by Application (2021-2032) & (US\$/Unit)

Figure 68. ?Buck-Boost Power SoC Industry Chain

Figure 69. ?Buck-Boost Power SoC Procurement Model

Figure 70. ?Buck-Boost Power SoC Sales Model

Figure 71. ?Buck-Boost Power SoC Sales Channels, Direct Sales, and Distribution

Figure 72. Methodology

Figure 73. Research Process and Data Source

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