

Global Small Nuclear Reactors (SMR) for Data Center Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Small Nuclear Reactors (SMR) for Data Center market size was valued at US\$ 1091 million in 2025 and is forecast to a readjusted size of US\$ 3008 million by 2032 with a CAGR of 15.3% during review period.

Small Nuclear Reactors for Data Centers, commonly referred to as Small Modular Reactors (SMRs), are compact nuclear fission power systems designed to provide reliable, continuous electricity for large-scale data centers. Compared with traditional nuclear power plants, SMRs have smaller power capacities?typically 50?300 MW per unit?and feature modular, factory-built components that can be transported and assembled at or near the deployment site. In 2025, global Small Nuclear Reactors (SMR) for Data Center production reached approximately 163 k unit, with an average global market price of around 6000 USD/kW. The production capacity for Small Nuclear Reactors (SMR) for Data Center in 2025 was approximately 200 k units. The typical gross profit margin for Small Nuclear Reactors (SMR) for Data Center between 20% and 40%.

This report is a detailed and comprehensive analysis for global Small Nuclear Reactors (SMR) for Data Center market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Small Nuclear Reactors (SMR) for Data Center market size and forecasts, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2021-2032

Global Small Nuclear Reactors (SMR) for Data Center market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2021-2032

Global Small Nuclear Reactors (SMR) for Data Center market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2021-2032

Global Small Nuclear Reactors (SMR) for Data Center market shares of main players, shipments in revenue (\$ Million), sales quantity (MW), and ASP (US\$/KW), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Small Nuclear Reactors (SMR) for Data Center

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Small Nuclear Reactors (SMR) for Data Center market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GE Vernova, NuScale Power, Holtec International, Kairos Power, Rosatom, Westinghouse Nuclear, General Atomics, X-Energy, Rolls-Royce, Oklo, etc.

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

Market Segmentation

Small Nuclear Reactors (SMR) for Data Center market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Light Water SMRs

HTGR SMRs

Sodium-cooled SMRs

Molten Salt SMRs

Market segment by Using

AI Training SMRs

Cloud SMRs

HPC SMRs

Market segment by Application

Cloud Data Centers

AI Data Centers / AI Servers

High-Performance Computing (HPC)

Others

Major players covered

GE Vernova

NuScale Power

Holtec International

Kairos Power

Rosatom

Westinghouse Nuclear

General Atomics

X-Energy

Rolls-Royce

Oklo

Seaborg Technologies

TerraPower

Deep Atomic

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Small Nuclear Reactors (SMR) for Data Center product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Small Nuclear Reactors (SMR) for Data Center, with price, sales quantity, revenue, and global market share of Small Nuclear Reactors (SMR) for Data Center from 2021 to 2026.

Chapter 3, the Small Nuclear Reactors (SMR) for Data Center competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Small Nuclear Reactors (SMR) for Data Center breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Small Nuclear Reactors (SMR) for Data Center market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Small Nuclear Reactors (SMR) for Data Center.

Chapter 14 and 15, to describe Small Nuclear Reactors (SMR) for Data Center sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Light Water SMRs

1.3.3 HTGR SMRs

1.3.4 Sodium-cooled SMRs

1.3.5 Molten Salt SMRs

1.4 Market Analysis by Using

1.4.1 Overview: Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Using: 2021 Versus 2025 Versus 2032

1.4.2 AI Training SMRs

1.4.3 Cloud SMRs

1.4.4 HPC SMRs

1.5 Market Analysis by Application

1.5.1 Overview: Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.5.2 Cloud Data Centers

1.5.3 AI Data Centers / AI Servers

1.5.4 High-Performance Computing (HPC)

1.5.5 Others

1.6 Global Small Nuclear Reactors (SMR) for Data Center Market Size & Forecast

1.6.1 Global Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021 & 2025 & 2032)

1.6.2 Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity (2021-2032)

1.6.3 Global Small Nuclear Reactors (SMR) for Data Center Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 GE Vernova

2.1.1 GE Vernova Details

2.1.2 GE Vernova Major Business

2.1.3 GE Vernova Small Nuclear Reactors (SMR) for Data Center Product and Services

2.1.4 GE Vernova Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 GE Vernova Recent Developments/Updates

2.2 NuScale Power

2.2.1 NuScale Power Details

2.2.2 NuScale Power Major Business

2.2.3 NuScale Power Small Nuclear Reactors (SMR) for Data Center Product and Services

2.2.4 NuScale Power Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 NuScale Power Recent Developments/Updates

2.3 Holtec International

2.3.1 Holtec International Details

2.3.2 Holtec International Major Business

2.3.3 Holtec International Small Nuclear Reactors (SMR) for Data Center Product and Services

2.3.4 Holtec International Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Holtec International Recent Developments/Updates

2.4 Kairos Power

2.4.1 Kairos Power Details

2.4.2 Kairos Power Major Business

2.4.3 Kairos Power Small Nuclear Reactors (SMR) for Data Center Product and Services

2.4.4 Kairos Power Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Kairos Power Recent Developments/Updates

2.5 Rosatom

2.5.1 Rosatom Details

2.5.2 Rosatom Major Business

2.5.3 Rosatom Small Nuclear Reactors (SMR) for Data Center Product and Services

2.5.4 Rosatom Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Rosatom Recent Developments/Updates

2.6 Westinghouse Nuclear

2.6.1 Westinghouse Nuclear Details

2.6.2 Westinghouse Nuclear Major Business

2.6.3 Westinghouse Nuclear Small Nuclear Reactors (SMR) for Data Center Product and Services

2.6.4 Westinghouse Nuclear Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Westinghouse Nuclear Recent Developments/Updates

2.7 General Atomics

2.7.1 General Atomics Details

2.7.2 General Atomics Major Business

2.7.3 General Atomics Small Nuclear Reactors (SMR) for Data Center Product and Services

2.7.4 General Atomics Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 General Atomics Recent Developments/Updates

2.8 X-Energy

2.8.1 X-Energy Details

2.8.2 X-Energy Major Business

2.8.3 X-Energy Small Nuclear Reactors (SMR) for Data Center Product and Services

2.8.4 X-Energy Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 X-Energy Recent Developments/Updates

2.9 Rolls-Royce

2.9.1 Rolls-Royce Details

2.9.2 Rolls-Royce Major Business

2.9.3 Rolls-Royce Small Nuclear Reactors (SMR) for Data Center Product and Services

2.9.4 Rolls-Royce Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Rolls-Royce Recent Developments/Updates

2.10 Oklo

2.10.1 Oklo Details

2.10.2 Oklo Major Business

2.10.3 Oklo Small Nuclear Reactors (SMR) for Data Center Product and Services

2.10.4 Oklo Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Oklo Recent Developments/Updates

2.11 Seaborg Technologies

2.11.1 Seaborg Technologies Details

2.11.2 Seaborg Technologies Major Business

2.11.3 Seaborg Technologies Small Nuclear Reactors (SMR) for Data Center Product

and Services

2.11.4 Seaborg Technologies Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Seaborg Technologies Recent Developments/Updates

2.12 TerraPower

2.12.1 TerraPower Details

2.12.2 TerraPower Major Business

2.12.3 TerraPower Small Nuclear Reactors (SMR) for Data Center Product and Services

2.12.4 TerraPower Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 TerraPower Recent Developments/Updates

2.13 Deep Atomic

2.13.1 Deep Atomic Details

2.13.2 Deep Atomic Major Business

2.13.3 Deep Atomic Small Nuclear Reactors (SMR) for Data Center Product and Services

2.13.4 Deep Atomic Small Nuclear Reactors (SMR) for Data Center Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 Deep Atomic Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SMALL NUCLEAR REACTORS (SMR) FOR DATA CENTER BY MANUFACTURER

3.1 Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Manufacturer (2021-2026)

3.2 Global Small Nuclear Reactors (SMR) for Data Center Revenue by Manufacturer (2021-2026)

3.3 Global Small Nuclear Reactors (SMR) for Data Center Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Small Nuclear Reactors (SMR) for Data Center by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Small Nuclear Reactors (SMR) for Data Center Manufacturer Market Share in 2025

3.4.3 Top 6 Small Nuclear Reactors (SMR) for Data Center Manufacturer Market Share in 2025

3.5 Small Nuclear Reactors (SMR) for Data Center Market: Overall Company Footprint Analysis

- 3.5.1 Small Nuclear Reactors (SMR) for Data Center Market: Region Footprint
- 3.5.2 Small Nuclear Reactors (SMR) for Data Center Market: Company Product Type Footprint
- 3.5.3 Small Nuclear Reactors (SMR) for Data Center Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Small Nuclear Reactors (SMR) for Data Center Market Size by Region
 - 4.1.1 Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Region (2021-2032)
 - 4.1.3 Global Small Nuclear Reactors (SMR) for Data Center Average Price by Region (2021-2032)
- 4.2 North America Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032)
- 4.3 Europe Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032)
- 4.4 Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032)
- 4.5 South America Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032)
- 4.6 Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2032)
- 5.2 Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Type (2021-2032)
- 5.3 Global Small Nuclear Reactors (SMR) for Data Center Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2032)

6.2 Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Application (2021-2032)

6.3 Global Small Nuclear Reactors (SMR) for Data Center Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2032)

7.2 North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2032)

7.3 North America Small Nuclear Reactors (SMR) for Data Center Market Size by Country

7.3.1 North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2021-2032)

7.3.2 North America Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2032)

8.2 Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2032)

8.3 Europe Small Nuclear Reactors (SMR) for Data Center Market Size by Country
8.3.1 Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2021-2032)

8.3.2 Europe Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Market Size by Region

9.3.1 Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2032)

10.2 South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2032)

10.3 South America Small Nuclear Reactors (SMR) for Data Center Market Size by Country

10.3.1 South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2021-2032)

10.3.2 South America Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales

Quantity by Application (2021-2032)

11.3 Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Market Size by Country

11.3.1 Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales

Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Small Nuclear Reactors (SMR) for Data Center Market Drivers

12.2 Small Nuclear Reactors (SMR) for Data Center Market Restraints

12.3 Small Nuclear Reactors (SMR) for Data Center Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Small Nuclear Reactors (SMR) for Data Center and Key Manufacturers

13.2 Manufacturing Costs Percentage of Small Nuclear Reactors (SMR) for Data Center

13.3 Small Nuclear Reactors (SMR) for Data Center Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Small Nuclear Reactors (SMR) for Data Center Typical Distributors

14.3 Small Nuclear Reactors (SMR) for Data Center Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Using, (USD Million), 2021 & 2025 & 2032

Table 3. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 4. GE Vernova Basic Information, Manufacturing Base and Competitors

Table 5. GE Vernova Major Business

Table 6. GE Vernova Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 7. GE Vernova Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 8. GE Vernova Recent Developments/Updates

Table 9. NuScale Power Basic Information, Manufacturing Base and Competitors

Table 10. NuScale Power Major Business

Table 11. NuScale Power Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 12. NuScale Power Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 13. NuScale Power Recent Developments/Updates

Table 14. Holtec International Basic Information, Manufacturing Base and Competitors

Table 15. Holtec International Major Business

Table 16. Holtec International Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 17. Holtec International Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 18. Holtec International Recent Developments/Updates

Table 19. Kairos Power Basic Information, Manufacturing Base and Competitors

Table 20. Kairos Power Major Business

Table 21. Kairos Power Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 22. Kairos Power Small Nuclear Reactors (SMR) for Data Center Sales Quantity

(MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 23. Kairos Power Recent Developments/Updates

Table 24. Rosatom Basic Information, Manufacturing Base and Competitors

Table 25. Rosatom Major Business

Table 26. Rosatom Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 27. Rosatom Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 28. Rosatom Recent Developments/Updates

Table 29. Westinghouse Nuclear Basic Information, Manufacturing Base and Competitors

Table 30. Westinghouse Nuclear Major Business

Table 31. Westinghouse Nuclear Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 32. Westinghouse Nuclear Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 33. Westinghouse Nuclear Recent Developments/Updates

Table 34. General Atomics Basic Information, Manufacturing Base and Competitors

Table 35. General Atomics Major Business

Table 36. General Atomics Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 37. General Atomics Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 38. General Atomics Recent Developments/Updates

Table 39. X-Energy Basic Information, Manufacturing Base and Competitors

Table 40. X-Energy Major Business

Table 41. X-Energy Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 42. X-Energy Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 43. X-Energy Recent Developments/Updates

Table 44. Rolls-Royce Basic Information, Manufacturing Base and Competitors

Table 45. Rolls-Royce Major Business

Table 46. Rolls-Royce Small Nuclear Reactors (SMR) for Data Center Product and

Services

Table 47. Rolls-Royce Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 48. Rolls-Royce Recent Developments/Updates

Table 49. Oklo Basic Information, Manufacturing Base and Competitors

Table 50. Oklo Major Business

Table 51. Oklo Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 52. Oklo Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 53. Oklo Recent Developments/Updates

Table 54. Seaborg Technologies Basic Information, Manufacturing Base and Competitors

Table 55. Seaborg Technologies Major Business

Table 56. Seaborg Technologies Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 57. Seaborg Technologies Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 58. Seaborg Technologies Recent Developments/Updates

Table 59. TerraPower Basic Information, Manufacturing Base and Competitors

Table 60. TerraPower Major Business

Table 61. TerraPower Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 62. TerraPower Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 63. TerraPower Recent Developments/Updates

Table 64. Deep Atomic Basic Information, Manufacturing Base and Competitors

Table 65. Deep Atomic Major Business

Table 66. Deep Atomic Small Nuclear Reactors (SMR) for Data Center Product and Services

Table 67. Deep Atomic Small Nuclear Reactors (SMR) for Data Center Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 68. Deep Atomic Recent Developments/Updates

Table 69. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Manufacturer (2021-2026) & (MW)

- Table 70. Global Small Nuclear Reactors (SMR) for Data Center Revenue by Manufacturer (2021-2026) & (USD Million)
- Table 71. Global Small Nuclear Reactors (SMR) for Data Center Average Price by Manufacturer (2021-2026) & (US\$/KW)
- Table 72. Market Position of Manufacturers in Small Nuclear Reactors (SMR) for Data Center, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
- Table 73. Head Office and Small Nuclear Reactors (SMR) for Data Center Production Site of Key Manufacturer
- Table 74. Small Nuclear Reactors (SMR) for Data Center Market: Company Product Type Footprint
- Table 75. Small Nuclear Reactors (SMR) for Data Center Market: Company Product Application Footprint
- Table 76. Small Nuclear Reactors (SMR) for Data Center New Market Entrants and Barriers to Market Entry
- Table 77. Small Nuclear Reactors (SMR) for Data Center Mergers, Acquisition, Agreements, and Collaborations
- Table 78. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
- Table 79. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Region (2021-2026) & (MW)
- Table 80. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Region (2027-2032) & (MW)
- Table 81. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Region (2021-2026) & (USD Million)
- Table 82. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Region (2027-2032) & (USD Million)
- Table 83. Global Small Nuclear Reactors (SMR) for Data Center Average Price by Region (2021-2026) & (US\$/KW)
- Table 84. Global Small Nuclear Reactors (SMR) for Data Center Average Price by Region (2027-2032) & (US\$/KW)
- Table 85. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2026) & (MW)
- Table 86. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2027-2032) & (MW)
- Table 87. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Type (2021-2026) & (USD Million)
- Table 88. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Type (2027-2032) & (USD Million)
- Table 89. Global Small Nuclear Reactors (SMR) for Data Center Average Price by Type

(2021-2026) & (US\$/KW)

Table 90. Global Small Nuclear Reactors (SMR) for Data Center Average Price by Type (2027-2032) & (US\$/KW)

Table 91. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2026) & (MW)

Table 92. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2027-2032) & (MW)

Table 93. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Application (2021-2026) & (USD Million)

Table 94. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Application (2027-2032) & (USD Million)

Table 95. Global Small Nuclear Reactors (SMR) for Data Center Average Price by Application (2021-2026) & (US\$/KW)

Table 96. Global Small Nuclear Reactors (SMR) for Data Center Average Price by Application (2027-2032) & (US\$/KW)

Table 97. North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2026) & (MW)

Table 98. North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2027-2032) & (MW)

Table 99. North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2026) & (MW)

Table 100. North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2027-2032) & (MW)

Table 101. North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2021-2026) & (MW)

Table 102. North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2027-2032) & (MW)

Table 103. North America Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2021-2026) & (USD Million)

Table 104. North America Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2027-2032) & (USD Million)

Table 105. Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2026) & (MW)

Table 106. Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2027-2032) & (MW)

Table 107. Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2026) & (MW)

Table 108. Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2027-2032) & (MW)

Table 109. Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2021-2026) & (MW)

Table 110. Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2027-2032) & (MW)

Table 111. Europe Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2021-2026) & (USD Million)

Table 112. Europe Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2027-2032) & (USD Million)

Table 113. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2026) & (MW)

Table 114. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2027-2032) & (MW)

Table 115. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2026) & (MW)

Table 116. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2027-2032) & (MW)

Table 117. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Region (2021-2026) & (MW)

Table 118. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Region (2027-2032) & (MW)

Table 119. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Consumption Value by Region (2021-2026) & (USD Million)

Table 120. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Consumption Value by Region (2027-2032) & (USD Million)

Table 121. South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2026) & (MW)

Table 122. South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2027-2032) & (MW)

Table 123. South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2026) & (MW)

Table 124. South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2027-2032) & (MW)

Table 125. South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2021-2026) & (MW)

Table 126. South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2027-2032) & (MW)

Table 127. South America Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2021-2026) & (USD Million)

Table 128. South America Small Nuclear Reactors (SMR) for Data Center Consumption

Value by Country (2027-2032) & (USD Million)

Table 129. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2021-2026) & (MW)

Table 130. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Type (2027-2032) & (MW)

Table 131. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2021-2026) & (MW)

Table 132. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Application (2027-2032) & (MW)

Table 133. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2021-2026) & (MW)

Table 134. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity by Country (2027-2032) & (MW)

Table 135. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2021-2026) & (USD Million)

Table 136. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Consumption Value by Country (2027-2032) & (USD Million)

Table 137. Small Nuclear Reactors (SMR) for Data Center Raw Material

Table 138. Key Manufacturers of Small Nuclear Reactors (SMR) for Data Center Raw Materials

Table 139. Small Nuclear Reactors (SMR) for Data Center Typical Distributors

Table 140. Small Nuclear Reactors (SMR) for Data Center Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Small Nuclear Reactors (SMR) for Data Center Picture
- Figure 2. Global Small Nuclear Reactors (SMR) for Data Center Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Small Nuclear Reactors (SMR) for Data Center Revenue Market Share by Type in 2025
- Figure 4. Light Water SMRs Examples
- Figure 5. HTGR SMRs Examples
- Figure 6. Sodium-cooled SMRs Examples
- Figure 7. Molten Salt SMRs Examples
- Figure 8. Global Small Nuclear Reactors (SMR) for Data Center Revenue by Using, (USD Million), 2021 & 2025 & 2032
- Figure 9. Global Small Nuclear Reactors (SMR) for Data Center Revenue Market Share by Using in 2025
- Figure 10. AI Training SMRs Examples
- Figure 11. Cloud SMRs Examples
- Figure 12. HPC SMRs Examples
- Figure 13. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 14. Global Small Nuclear Reactors (SMR) for Data Center Revenue Market Share by Application in 2025
- Figure 15. Cloud Data Centers Examples
- Figure 16. AI Data Centers / AI Servers Examples
- Figure 17. High-Performance Computing (HPC) Examples
- Figure 18. Others Examples
- Figure 19. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 20. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 21. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity (2021-2032) & (MW)
- Figure 22. Global Small Nuclear Reactors (SMR) for Data Center Price (2021-2032) & (US\$/KW)
- Figure 23. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Manufacturer in 2025
- Figure 24. Global Small Nuclear Reactors (SMR) for Data Center Revenue Market

Share by Manufacturer in 2025

Figure 25. Producer Shipments of Small Nuclear Reactors (SMR) for Data Center by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 26. Top 3 Small Nuclear Reactors (SMR) for Data Center Manufacturer (Revenue) Market Share in 2025

Figure 27. Top 6 Small Nuclear Reactors (SMR) for Data Center Manufacturer (Revenue) Market Share in 2025

Figure 28. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Region (2021-2032)

Figure 29. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value Market Share by Region (2021-2032)

Figure 30. North America Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 31. Europe Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 32. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 33. South America Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 34. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 35. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Type (2021-2032)

Figure 36. Global Small Nuclear Reactors (SMR) for Data Center Consumption Value Market Share by Type (2021-2032)

Figure 37. Global Small Nuclear Reactors (SMR) for Data Center Average Price by Type (2021-2032) & (US\$/KW)

Figure 38. Global Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Application (2021-2032)

Figure 39. Global Small Nuclear Reactors (SMR) for Data Center Revenue Market Share by Application (2021-2032)

Figure 40. Global Small Nuclear Reactors (SMR) for Data Center Average Price by Application (2021-2032) & (US\$/KW)

Figure 41. North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Type (2021-2032)

Figure 42. North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Application (2021-2032)

Figure 43. North America Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Country (2021-2032)

Figure 44. North America Small Nuclear Reactors (SMR) for Data Center Consumption Value Market Share by Country (2021-2032)

Figure 45. United States Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 46. Canada Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 47. Mexico Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 48. Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Type (2021-2032)

Figure 49. Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Application (2021-2032)

Figure 50. Europe Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Country (2021-2032)

Figure 51. Europe Small Nuclear Reactors (SMR) for Data Center Consumption Value Market Share by Country (2021-2032)

Figure 52. Germany Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 53. France Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 54. United Kingdom Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 55. Russia Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 56. Italy Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 57. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Type (2021-2032)

Figure 58. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Application (2021-2032)

Figure 59. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Region (2021-2032)

Figure 60. Asia-Pacific Small Nuclear Reactors (SMR) for Data Center Consumption Value Market Share by Region (2021-2032)

Figure 61. China Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 62. Japan Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 63. South Korea Small Nuclear Reactors (SMR) for Data Center Consumption

Value (2021-2032) & (USD Million)

Figure 64. India Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 65. Southeast Asia Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 66. Australia Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 67. South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Type (2021-2032)

Figure 68. South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Application (2021-2032)

Figure 69. South America Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Country (2021-2032)

Figure 70. South America Small Nuclear Reactors (SMR) for Data Center Consumption Value Market Share by Country (2021-2032)

Figure 71. Brazil Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 72. Argentina Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 73. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Type (2021-2032)

Figure 74. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Application (2021-2032)

Figure 75. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Sales Quantity Market Share by Country (2021-2032)

Figure 76. Middle East & Africa Small Nuclear Reactors (SMR) for Data Center Consumption Value Market Share by Country (2021-2032)

Figure 77. Turkey Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 78. Egypt Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 79. Saudi Arabia Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 80. South Africa Small Nuclear Reactors (SMR) for Data Center Consumption Value (2021-2032) & (USD Million)

Figure 81. Small Nuclear Reactors (SMR) for Data Center Market Drivers

Figure 82. Small Nuclear Reactors (SMR) for Data Center Market Restraints

Figure 83. Small Nuclear Reactors (SMR) for Data Center Market Trends

Figure 84. Porters Five Forces Analysis

Figure 85. Manufacturing Cost Structure Analysis of Small Nuclear Reactors (SMR) for Data Center in 2025

Figure 86. Manufacturing Process Analysis of Small Nuclear Reactors (SMR) for Data Center

Figure 87. Small Nuclear Reactors (SMR) for Data Center Industrial Chain

Figure 88. Sales Channel: Direct to End-User vs Distributors

Figure 89. Direct Channel Pros & Cons

Figure 90. Indirect Channel Pros & Cons

Figure 91. Methodology

Figure 92. Research Process and Data Source

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