

Global Data Center Small Modular Reactors (SMRs) Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GA6A43C5DAF5EN.html>

Date: April 2026

Pages: 123

Price: US\$ 3,480.00 (Single User License)

ID: GA6A43C5DAF5EN

Abstracts

According to our (Global Info Research) latest study, the global Data Center Small Modular Reactors (SMRs) 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.

Data Center Small Modular Reactors (SMRs) refer to compact nuclear fission reactor systems designed to provide reliable and continuous power for large-scale data centers and AI computing infrastructure. Compared with traditional large nuclear power plants, SMRs feature smaller power capacities (typically 50-300 MW), modular designs, and factory-based manufacturing, allowing them to be transported and installed more efficiently at deployment sites. In 2025, the global newly installed capacity of Data Center Small Modular Reactors (SMRs) reached approximately 212 MW, with an average construction cost of around USD 5000 per kW. The gross margin for SMR projects typically ranges from 10% to 20%, depending on the reactor technology, EPC contracting model, and project scale.

This report is a detailed and comprehensive analysis for global Data Center Small Modular Reactors (SMRs) 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 Data Center Small Modular Reactors (SMRs) market size and forecasts, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2021-2032

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

Global Data Center Small Modular Reactors (SMRs) 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 Data Center Small Modular Reactors (SMRs) 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 Data Center Small Modular Reactors (SMRs)

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 Data Center Small Modular Reactors (SMRs) 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

Data Center Small Modular Reactors (SMRs) 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 Data Center Small Modular Reactors (SMRs) product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Data Center Small Modular Reactors (SMRs) 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 Data Center Small Modular Reactors (SMRs) 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 Data Center Small Modular Reactors (SMRs).

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

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