

# Global Data Center Small Modular Reactors (SMRs) Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Data Center Small Modular Reactors (SMRs) market size is expected to reach \$ 3008 million by 2032, rising at a market growth of 15.3% CAGR during the forecast period (2026-2032).

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 studies the global Data Center Small Modular Reactors (SMRs) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Data Center Small Modular Reactors (SMRs) 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 Data Center Small Modular Reactors (SMRs) that contribute to its increasing demand across many markets.

## Highlights and key features of the study

Global Data Center Small Modular Reactors (SMRs) total production and demand, 2021-2032, (MW)

Global Data Center Small Modular Reactors (SMRs) total production value, 2021-2032, (USD Million)

Global Data Center Small Modular Reactors (SMRs) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MW), (based on production site)

Global Data Center Small Modular Reactors (SMRs) consumption by region & country, CAGR, 2021-2032 & (MW)

U.S. VS China: Data Center Small Modular Reactors (SMRs) domestic production, consumption, key domestic manufacturers and share

Global Data Center Small Modular Reactors (SMRs) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MW)

Global Data Center Small Modular Reactors (SMRs) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MW)

Global Data Center Small Modular Reactors (SMRs) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MW)

This report profiles key players in the global Data Center Small Modular Reactors (SMRs) 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 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Data Center Small Modular Reactors (SMRs) market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MW) and average price (US\$/KW) 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 Data Center Small Modular Reactors (SMRs) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Data Center Small Modular Reactors (SMRs) Market, Segmentation by Type:

Light Water SMRs

HTGR SMRs

Sodium-cooled SMRs

Molten Salt SMRs

Global Data Center Small Modular Reactors (SMRs) Market, Segmentation by Using:

AI Training SMRs

Cloud SMRs

HPC SMRs

Global Data Center Small Modular Reactors (SMRs) Market, Segmentation by Application:

Cloud Data Centers

AI Data Centers / AI Servers

High-Performance Computing (HPC)

Others

#### Companies Profiled:

GE Vernova

NuScale Power

Holtec International

Kairos Power

Rosatom

Westinghouse Nuclear

General Atomics

X-Energy

Rolls-Royce

Oklo

Seaborg Technologies

TerraPower

Deep Atomic

#### Key Questions Answered:

1. How big is the global Data Center Small Modular Reactors (SMRs) market?
2. What is the demand of the global Data Center Small Modular Reactors (SMRs) market?
3. What is the year over year growth of the global Data Center Small Modular Reactors (SMRs) market?
4. What is the production and production value of the global Data Center Small Modular Reactors (SMRs) market?
5. Who are the key producers in the global Data Center Small Modular Reactors (SMRs) market?
6. What are the growth factors driving the market demand?

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