

Global DERMS Market Size study & Forecast, by Technology, Component, Deployment Type, End Use, and Regional Forecasts 2025-2035

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Abstracts

The Global Distributed Energy Resource Management System (DERMS) Market is valued at approximately USD 9.41 billion in 2024 and is anticipated to expand at an impressive CAGR of 12.59% throughout the forecast period of 2025–2035. DERMS solutions are swiftly transforming modern energy infrastructure by facilitating real-time control, coordination, and optimization of distributed energy assets across power grids. These systems play an instrumental role in enabling utilities and energy providers to manage a wide spectrum of distributed resources such as solar panels, wind turbines, energy storage systems, and electric vehicles with precision and agility. With the exponential rise in decentralized power generation and mounting pressure to enhance grid reliability and sustainability, DERMS has evolved into a cornerstone technology of the digital grid era.

The market growth is further fueled by rising governmental focus on decarbonization, proliferation of renewable energy installations, and intensifying efforts to minimize transmission losses and grid congestion. Modern DERMS platforms—especially those integrated with advanced distribution management systems (ADMS), microgrid management tools, and battery energy storage systems (BESS)—empower energy operators to make informed, data-driven decisions. As global power consumption continues to spike, utilities are investing in cloud-based and hybrid deployment models for their scalability, interoperability, and remote accessibility. In parallel, the service segment is witnessing strong traction, driven by the growing demand for customized software configuration, system integration, and post-deployment technical support.

From a regional standpoint, North America currently leads the global DERMS market owing to a robust digital energy framework, proactive regulatory mandates such as

FERC Orders 2222 and 841, and an accelerated transition toward renewable generation and smart grid deployment. The presence of leading technology vendors and pioneering utilities contributes to a highly competitive landscape in the U.S. and Canada. Europe is fast emerging as a growth engine, spurred by ambitious clean energy directives under the EU Green Deal and an uptick in community-based energy programs. Meanwhile, the Asia Pacific region is projected to witness the highest CAGR over the forecast period, driven by the burgeoning energy needs of populous nations like China and India, increasing urbanization, and large-scale investments in smart city infrastructure. Governmental incentives for solar microgrids and energy storage systems are further amplifying DERMS adoption across the region.

Major market player included in this report are:

Siemens AG

General Electric

Schneider Electric

Oracle Corporation

Hitachi Energy

ABB Ltd

AutoGrid Systems

Opus One Solutions

Doosan GridTech

Enbala Power Networks

Spirae Inc.

Itron Inc.

Mitsubishi Electric Corporation

ETAP (Operation Technology, Inc.)

Alpiq AG

Global DERMS Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Technology:

Advanced Distribution Management System (ADMS)

Microgrid Management System

Battery Energy Storage System (BESS)

By Component:

Hardware

Software

Services

By Deployment Type:

On-Premise

Cloud-Based

Hybrid

By End Use:

Residential

Commercial

Industrial

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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