

## Germany Data Center Energy Storage Market Forecast 2025-2032

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### Report description:

#### KEY FINDINGS

The Germany data center energy storage market is anticipated to develop with a CAGR of 9.32% over the forecast period of 2025-2032. The market was valued at \$89.85 million in 2024 and is expected to reach revenue of \$183.45 million by 2032.

The Germany data center storage market is experiencing substantial growth, propelled by increasing cloud computing adoption among SMEs, government regulations promoting local data security, and rising investments from domestic players. Germany's evolving IT landscape, business activities, and technological initiatives are key contributors to the increasing demand for data centers nationwide. The market plays a crucial role in supporting the digital infrastructure, which is essential for various sectors.

#### MARKET INSIGHTS

As per a study commissioned by the German Ministry for Economic Affairs and Climate Action, Germany has the largest digital infrastructure in Europe, featuring 2000 data centers with a capacity exceeding 2700 megawatts. The country's raised floor area is projected to exceed 11 million sq. ft by 2029. Germany is connected by nearly seven submarine cable systems, with several more under construction. Key growth drivers include digital transformation, the adoption of cloud computing, e-commerce and digital services, renewable energy and sustainability initiatives, and the development of smart cities and IoT.

Several factors drive the Germany Data Center Energy Storage Market, including the growing demand for Uninterruptible Power Supply (UPS), advancements in battery technologies, and rising investments in hyperscale and colocation data centers. As data usage increases, the need for reliable power solutions becomes critical for maintaining operations. Emerging battery technologies enhance energy efficiency and storage capabilities, which are essential for modern data centers supporting large-scale digital services. The increasing reliance on cloud services and hyperscale data centers drives the demand for reliable and energy-efficient UPS solutions.

The Germany Data Center Energy Storage Market faces significant challenges, including high initial capital investment and technical complexities in integrating advanced energy solutions. The high costs associated with purchasing and installing energy storage systems, such as UPS and battery solutions, can deter some operators, especially small to medium-sized data centers. Integrating these modern solutions with existing legacy systems introduces technical hurdles, often requiring specialized expertise and potentially causing operational disruptions. The industry also faces challenges related to stringent legal requirements, energy efficiency mandates, and infrastructure limitations.

#### SEGMENTATION ANALYSIS

The Germany data center energy storage market segmentation includes storage technology, industry vertical, data center tier,

and data center size.

The IT & telecommunication segment holds a major share of the Germany data center storage market. Increased adoption of cloud computing services has led to a rise in IT infrastructure components. Many technology companies have launched cloud services to support enterprises' digital transformation efforts, and the increased use of e-commerce services has facilitated digitization, increasing the demand for data center storage. The rollout of 5G in 2019 has driven demand for faster internet speeds, surpassing existing capacity and fueling the need for more data centers. This trend has had a positive impact on the data center storage market.

Large data centers are a significant segment within the Germany data center energy storage market. With the increasing focus on adopting highly efficient UPS systems, demand is driven for these data centers. These large facilities often use centralized UPS systems with high capacity to provide power protection for IT infrastructure. Furthermore, they leverage advanced cooling systems, energy-efficient equipment, and power distribution designs to achieve higher levels of energy efficiency.

## COMPETITIVE INSIGHTS

Some of the top enterprises operating in the Germany data center energy storage market include ABB Ltd, Eaton Corporation, Huawei Technologies Co Ltd, Legrand SA, Mitsubishi Electric Corporation, and Schneider Electric SE.

Eaton Corporation, headquartered in Dublin, Ireland, plays a pivotal role in the data center energy storage market by offering innovative and energy-efficient solutions tailored to meet the increasing demand for reliable power in data centers. Eaton's EnergyAware UPS and 93PM UPS systems provide seamless power backup, energy storage, and grid support, ensuring uninterrupted operations and optimized energy usage for data centers in Germany's rapidly advancing digital economy. With a strong emphasis on sustainability and renewable energy integration, Eaton enables data centers to reduce energy costs and carbon footprints through advanced battery technologies, including lithium-ion and energy storage systems.

## Table of Contents:

### 1. RESEARCH SCOPE & METHODOLOGY

#### 1.1. STUDY OBJECTIVES

#### 1.2. METHODOLOGY

#### 1.3. ASSUMPTIONS & LIMITATIONS

### 2. EXECUTIVE SUMMARY

#### 2.1. MARKET SIZE & ESTIMATES

#### 2.2. COUNTRY SNAPSHOT

#### 2.3. COUNTRY ANALYSIS

#### 2.4. SCOPE OF STUDY

#### 2.5. MAJOR MARKET FINDINGS

##### 2.5.1. LITHIUM-ION BATTERIES ARE WIDELY RECOGNIZED FOR THEIR EFFICIENCY AND SCALABILITY

##### 2.5.2. IT & TELECOM SECTOR CONTINUES TO DRIVE INNOVATION IN DATA CENTER ENERGY STORAGE

##### 2.5.3. TIER III DATA CENTERS ARE VALUED FOR THEIR HIGH RELIABILITY AND REDUNDANCY

##### 2.5.4. LARGE DATA CENTERS PLAY A PIVOTAL ROLE IN MEETING THE GROWING DEMANDS OF DIGITAL TRANSFORMATION

### 3. MARKET DYNAMICS

#### 3.1. KEY DRIVERS

##### 3.1.1. GROWING DEMAND FOR UNINTERRUPTED POWER SUPPLY (UPS)

##### 3.1.2. ADVANCEMENTS IN BATTERY TECHNOLOGIES

##### 3.1.3. RISING INVESTMENTS IN HYPERSCALE AND COLOCATION DATA CENTERS

#### 3.2. KEY RESTRAINTS

##### 3.2.1. HIGH INITIAL CAPITAL INVESTMENT

##### 3.2.2. TECHNICAL COMPLEXITIES AND INTEGRATION ISSUES

### 4. KEY ANALYTICS

#### 4.1. KEY MARKET TRENDS

##### 4.1.1. RISING ADOPTION OF RENEWABLE ENERGY IN DATA CENTERS

- 4.1.2. EXPANSION OF EDGE DATA CENTERS AND 5G NETWORKS
- 4.1.3. GROWING NEED FOR ENERGY EFFICIENCY AND CARBON FOOTPRINT REDUCTION
- 4.2. PORTER'S FIVE FORCES ANALYSIS
  - 4.2.1. BUYERS POWER
  - 4.2.2. SUPPLIERS POWER
  - 4.2.3. SUBSTITUTION
  - 4.2.4. NEW ENTRANTS
  - 4.2.5. INDUSTRY RIVALRY
- 4.3. GROWTH PROSPECT MAPPING FOR GERMANY
- 4.4. MARKET MATURITY ANALYSIS
- 4.5. MARKET CONCENTRATION ANALYSIS
- 4.6. VALUE CHAIN ANALYSIS
  - 4.6.1. RAW MATERIAL SUPPLIERS
  - 4.6.2. COMPONENT MANUFACTURERS
  - 4.6.3. ENERGY STORAGE SOLUTION PROVIDERS
  - 4.6.4. SYSTEM INTEGRATORS AND INSTALLERS
  - 4.6.5. SERVICE PROVIDERS AND MAINTENANCE COMPANIES
  - 4.6.6. END-USERS (DATA CENTERS)
- 4.7. KEY BUYING CRITERIA
  - 4.7.1. RELIABILITY AND PERFORMANCE
  - 4.7.2. COST EFFICIENCY (CAPEX & OPEX)
  - 4.7.3. SCALABILITY AND FLEXIBILITY
  - 4.7.4. SAFETY AND COMPLIANCE
  - 4.7.5. ENERGY DENSITY AND SPACE OPTIMIZATION
  - 4.7.6. ADVANCED MONITORING AND MANAGEMENT CAPABILITIES
- 5. MARKET BY STORAGE TECHNOLOGY
  - 5.1. LITHIUM-ION BATTERIES
    - 5.1.1. MARKET FORECAST FIGURE
    - 5.1.2. SEGMENT ANALYSIS
  - 5.2. LEAD-ACID BATTERIES
    - 5.2.1. MARKET FORECAST FIGURE
    - 5.2.2. SEGMENT ANALYSIS
  - 5.3. NICKEL-CADMUM BATTERIES
    - 5.3.1. MARKET FORECAST FIGURE
    - 5.3.2. SEGMENT ANALYSIS
  - 5.4. SODIUM-SULFUR (NAS) BATTERIES
    - 5.4.1. MARKET FORECAST FIGURE
    - 5.4.2. SEGMENT ANALYSIS
  - 5.5. FLOW BATTERIES
    - 5.5.1. MARKET FORECAST FIGURE
    - 5.5.2. SEGMENT ANALYSIS
  - 5.6. SUPERCAPACITORS
    - 5.6.1. MARKET FORECAST FIGURE
    - 5.6.2. SEGMENT ANALYSIS
  - 5.7. FLYWHEEL ENERGY STORAGE
    - 5.7.1. MARKET FORECAST FIGURE
    - 5.7.2. SEGMENT ANALYSIS

## 5.8. OTHER STORAGE TECHNOLOGIES

### 5.8.1. MARKET FORECAST FIGURE

### 5.8.2. SEGMENT ANALYSIS

## 6. MARKET BY INDUSTRY VERTICAL

### 6.1. IT & TELECOM

#### 6.1.1. MARKET FORECAST FIGURE

#### 6.1.2. SEGMENT ANALYSIS

### 6.2. BFSI (BANKING, FINANCIAL SERVICES, AND INSURANCE)

#### 6.2.1. MARKET FORECAST FIGURE

#### 6.2.2. SEGMENT ANALYSIS

### 6.3. HEALTHCARE

#### 6.3.1. MARKET FORECAST FIGURE

#### 6.3.2. SEGMENT ANALYSIS

### 6.4. GOVERNMENT & DEFENSE

#### 6.4.1. MARKET FORECAST FIGURE

#### 6.4.2. SEGMENT ANALYSIS

### 6.5. RETAIL & E-COMMERCE

#### 6.5.1. MARKET FORECAST FIGURE

#### 6.5.2. SEGMENT ANALYSIS

### 6.6. MEDIA & ENTERTAINMENT

#### 6.6.1. MARKET FORECAST FIGURE

#### 6.6.2. SEGMENT ANALYSIS

### 6.7. OTHER INDUSTRY VERTICALS

#### 6.7.1. MARKET FORECAST FIGURE

#### 6.7.2. SEGMENT ANALYSIS

## 7. MARKET BY DATA CENTER TIER

### 7.1. TIER I

#### 7.1.1. MARKET FORECAST FIGURE

#### 7.1.2. SEGMENT ANALYSIS

### 7.2. TIER II

#### 7.2.1. MARKET FORECAST FIGURE

#### 7.2.2. SEGMENT ANALYSIS

### 7.3. TIER III

#### 7.3.1. MARKET FORECAST FIGURE

#### 7.3.2. SEGMENT ANALYSIS

### 7.4. TIER IV

#### 7.4.1. MARKET FORECAST FIGURE

#### 7.4.2. SEGMENT ANALYSIS

## 8. MARKET BY DATA CENTER SIZE

### 8.1. LARGE DATA CENTERS

#### 8.1.1. MARKET FORECAST FIGURE

#### 8.1.2. SEGMENT ANALYSIS

### 8.2. MEDIUM DATA CENTERS

#### 8.2.1. MARKET FORECAST FIGURE

#### 8.2.2. SEGMENT ANALYSIS

### 8.3. SMALL DATA CENTERS

#### 8.3.1. MARKET FORECAST FIGURE

8.3.2. SEGMENT ANALYSIS  
9. COMPETITIVE LANDSCAPE  
9.1. KEY STRATEGIC DEVELOPMENTS  
9.1.1. MERGERS & ACQUISITIONS  
9.1.2. PRODUCT LAUNCHES & DEVELOPMENTS  
9.1.3. PARTNERSHIPS & AGREEMENTS  
9.1.4. BUSINESS EXPANSIONS & DIVESTITURES  
9.2. COMPANY PROFILES  
9.2.1. ABB LTD  
9.2.1.1. COMPANY OVERVIEW  
9.2.1.2. PRODUCTS  
9.2.1.3. STRENGTHS & CHALLENGES  
9.2.2. EATON CORPORATION  
9.2.2.1. COMPANY OVERVIEW  
9.2.2.2. PRODUCTS  
9.2.2.3. STRENGTHS & CHALLENGES  
9.2.3. HUAWEI TECHNOLOGIES CO LTD  
9.2.3.1. COMPANY OVERVIEW  
9.2.3.2. PRODUCTS  
9.2.3.3. STRENGTHS & CHALLENGES  
9.2.4. LEGRAND SA  
9.2.4.1. COMPANY OVERVIEW  
9.2.4.2. PRODUCTS  
9.2.4.3. STRENGTHS & CHALLENGES  
9.2.5. MITSUBISHI ELECTRIC CORPORATION  
9.2.5.1. COMPANY OVERVIEW  
9.2.5.2. PRODUCTS  
9.2.5.3. STRENGTHS & CHALLENGES  
9.2.6. SCHNEIDER ELECTRIC SE  
9.2.6.1. COMPANY OVERVIEW  
9.2.6.2. PRODUCTS  
9.2.6.3. STRENGTHS & CHALLENGES

## LIST OF TABLES

TABLE 1: MARKET SNAPSHOT - DATA CENTER ENERGY STORAGE  
TABLE 2: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY STORAGE TECHNOLOGY, HISTORICAL YEARS, 2018-2023 (IN \$ MILLION)  
TABLE 3: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY STORAGE TECHNOLOGY, FORECAST YEARS, 2025-2032 (IN \$ MILLION)  
TABLE 4: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY INDUSTRY VERTICAL, HISTORICAL YEARS, 2018-2023 (IN \$ MILLION)  
TABLE 5: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY INDUSTRY VERTICAL, FORECAST YEARS, 2025-2032 (IN \$ MILLION)  
TABLE 6: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY DATA CENTER TIER, HISTORICAL YEARS, 2018-2023 (IN \$ MILLION)  
TABLE 7: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY DATA CENTER TIER, FORECAST YEARS, 2025-2032 (IN \$ MILLION)

TABLE 8: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY DATA CENTER SIZE, HISTORICAL YEARS, 2018-2023 (IN \$ MILLION)

TABLE 9: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY DATA CENTER SIZE, FORECAST YEARS, 2025-2032 (IN \$ MILLION)

TABLE 10: LIST OF MERGERS & ACQUISITIONS

TABLE 11: LIST OF PRODUCT LAUNCHES & DEVELOPMENTS

TABLE 12: LIST OF PARTNERSHIPS & AGREEMENTS

TABLE 13: LIST OF BUSINESS EXPANSIONS & DIVESTITURES

## LIST OF FIGURES

FIGURE 1: KEY MARKET TRENDS

FIGURE 2: PORTER'S FIVE FORCES ANALYSIS

FIGURE 3: MARKET MATURITY ANALYSIS

FIGURE 4: MARKET CONCENTRATION ANALYSIS

FIGURE 5: VALUE CHAIN ANALYSIS

FIGURE 6: KEY BUYING CRITERIA

FIGURE 7: GERMANY DATA CENTER ENERGY STORAGE MARKET, GROWTH POTENTIAL, BY STORAGE TECHNOLOGY, IN 2024

FIGURE 8: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY LITHIUM-ION BATTERIES, 2025-2032 (IN \$ MILLION)

FIGURE 9: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY LEAD-ACID BATTERIES, 2025-2032 (IN \$ MILLION)

FIGURE 10: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY NICKEL-CADMIUM BATTERIES, 2025-2032 (IN \$ MILLION)

FIGURE 11: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY SODIUM-SULFUR (NAS) BATTERIES, 2025-2032 (IN \$ MILLION)

FIGURE 12: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY FLOW BATTERIES, 2025-2032 (IN \$ MILLION)

FIGURE 13: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY SUPERCAPACITORS, 2025-2032 (IN \$ MILLION)

FIGURE 14: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY FLYWHEEL ENERGY STORAGE, 2025-2032 (IN \$ MILLION)

FIGURE 15: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY OTHER STORAGE TECHNOLOGIES, 2025-2032 (IN \$ MILLION)

FIGURE 16: GERMANY DATA CENTER ENERGY STORAGE MARKET, GROWTH POTENTIAL, BY INDUSTRY VERTICAL, IN 2024

FIGURE 17: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY IT & TELECOM, 2025-2032 (IN \$ MILLION)

FIGURE 18: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY BFSI (BANKING, FINANCIAL SERVICES, AND INSURANCE), 2025-2032 (IN \$ MILLION)

FIGURE 19: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY HEALTHCARE, 2025-2032 (IN \$ MILLION)

FIGURE 20: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY GOVERNMENT & DEFENSE, 2025-2032 (IN \$ MILLION)

FIGURE 21: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY RETAIL & E-COMMERCE, 2025-2032 (IN \$ MILLION)

FIGURE 22: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY MEDIA & ENTERTAINMENT, 2025-2032 (IN \$ MILLION)

FIGURE 23: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY OTHER INDUSTRY VERTICALS, 2025-2032 (IN \$ MILLION)

FIGURE 24: GERMANY DATA CENTER ENERGY STORAGE MARKET, GROWTH POTENTIAL, BY DATA CENTER TIER, IN 2024

FIGURE 25: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY TIER I, 2025-2032 (IN \$ MILLION)

FIGURE 26: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY TIER II, 2025-2032 (IN \$ MILLION)

FIGURE 27: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY TIER III, 2025-2032 (IN \$ MILLION)

FIGURE 28: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY TIER IV, 2025-2032 (IN \$ MILLION)

FIGURE 29: GERMANY DATA CENTER ENERGY STORAGE MARKET, GROWTH POTENTIAL, BY DATA CENTER SIZE, IN 2024

FIGURE 30: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY LARGE DATA CENTERS, 2025-2032 (IN \$ MILLION)

FIGURE 31: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY MEDIUM DATA CENTERS, 2025-2032 (IN \$ MILLION)

FIGURE 32: GERMANY DATA CENTER ENERGY STORAGE MARKET, BY SMALL DATA CENTERS, 2025-2032 (IN \$ MILLION)

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