

## **Global Critical Power Market Report and Forecast 2024-2032**

Market Report | 2024-06-17 | 177 pages | EMR Inc.

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### **Report description:**

Global Critical Power Market Report and Forecast 2024-2032

Market Outlook

According to the report by Expert Market Research (EMR), the global critical power market size reached a value of USD 28.47 billion in 2023. Aided by the developing cloud and data centre infrastructure, the market is projected to further grow at a CAGR of 8.9% between 2024 and 2032 to reach a value of USD 61.72 billion by 2032.

Critical power systems are designed to ensure an uninterrupted power supply to essential infrastructure and facilities. These systems are crucial in preventing power outages that can lead to significant operational disruptions and financial losses. The primary components of critical power systems include uninterruptible power supplies (UPS), generators, and power transfer switches, which collectively provide backup power and maintain the reliability of electrical systems in various settings.

The increasing reliance on technology and the growing demand for continuous power in data centres are major factors driving the critical power market growth. As businesses and organizations increasingly depend on digital infrastructure, the need for reliable and uninterrupted power supply has become paramount. Data centres, which host critical applications and data, require robust power solutions to ensure operational continuity and avoid data loss. Consequently, the rising investment in data center infrastructure is significantly propelling the demand for critical power systems.

Moreover, the healthcare sector is also a significant contributor to the growth of the market. Hospitals and medical facilities require uninterrupted power to operate critical medical equipment and ensure patient safety. The increasing investment in healthcare infrastructure and the rising adoption of advanced medical technologies are driving the demand for reliable power solutions. Critical power systems play a vital role in maintaining the continuous operation of life-saving equipment, thereby contributing to market growth.

The expanding applications of critical power systems in the manufacturing industry are also playing a significant role in propelling the market. Manufacturing facilities rely on continuous power supply to maintain production processes and avoid costly downtime. The increasing automation in manufacturing and the growing adoption of Industry 4.0 technologies are driving the demand for reliable power solutions, further boosting the critical power market.

Additionally, the growing trend of urbanization and the rising investment in smart city projects are contributing to the critical power market development. Smart cities require robust power infrastructure to support various smart applications, including

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smart grids, intelligent transportation systems, and connected public services. The increasing focus on developing resilient and sustainable urban infrastructure is driving the demand for critical power systems.

The telecommunications industry is another key driver of the market. With the increasing adoption of 5G technology and the rising demand for reliable communication networks, the need for continuous power supply in telecommunication infrastructure has become crucial. Critical power systems ensure the uninterrupted operation of communication networks, thereby supporting the growth of the telecommunications industry.

As per the global critical power market analysis, the increasing reliance on technology and digital infrastructure is driving the demand for continuous power supply. Critical power systems play a vital role in ensuring operational continuity in data centers, healthcare facilities, manufacturing plants, and telecommunication networks, thereby driving the market growth. The growing investment in data center infrastructure, driven by the increasing demand for cloud computing, big data, and IoT applications, is propelling the demand for critical power systems. Data centers require robust power solutions to ensure uninterrupted operation and avoid data loss, contributing to market growth.

The healthcare sector's expansion, driven by the increasing investment in healthcare infrastructure and the adoption of advanced medical technologies, is a significant driver of the market. Critical power systems are essential in maintaining the continuous operation of medical equipment, ensuring patient safety and operational efficiency in healthcare facilities. The growing trend of urbanization and the rising investment in smart city projects are contributing to the market growth. Smart cities require reliable power infrastructure to support various smart applications, driving the demand for critical power systems.

The global critical power market is poised for significant growth in the coming years, driven by the increasing demand for uninterrupted power supply across various industries. The growing investment in data center infrastructure, healthcare facilities, smart city projects, and telecommunications networks is propelling the market growth. The key market players are focusing on technological advancements and strategic collaborations to enhance their market presence and cater to the growing demand. The Asia Pacific region is expected to dominate the market, followed by North America and Europe.

#### Market Segmentation

The market can be divided based on type, end use and region.

##### Market Breakup by Type

- Uninterruptible Power Supply (UPS)
- Generators
- Others

##### Market Breakup by End Use

- Commercial
- IT and Telecommunication
- Industrial
- Transportation
- Government and Defence
- Others

##### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

##### Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global critical power market. Some of the major players explored in the report by Expert Market Research are as follows:

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- []Schneider Electric SE
- []ABB Limited
- []Eaton Corporation plc
- []General Electric Company
- []Kehua Data Co., Ltd.
- []WEG S.A.
- []Vertiv Group Corp.
- []Delta Electronics Inc.
- []Socomec Group
- []Others

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#### Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
  - 3.1 Market Definition and Outlook
  - 3.2 Properties and Applications
  - 3.3 Market Analysis
  - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
  - 5.1 Overview
  - 5.2 Key Drivers
  - 5.3 Key Developments
  - 5.4 Competitive Structure
  - 5.5 Key Industrial Trends
- 6 Market Snapshot
  - 6.1 Global
  - 6.2 Regional
- 7 Opportunities and Challenges in the Market
- 8 Global Critical Power Market Analysis
  - 8.1 Key Industry Highlights
  - 8.2 Global Critical Power Historical Market (2018-2023)
  - 8.3 Global Critical Power Market Forecast (2024-2032)
  - 8.4 Global Critical Power Market by Type
    - 8.4.1 Uninterruptible Power Supply (UPS)

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- 8.4.1.1 Historical Trend (2018-2023)
    - 8.4.1.2 Forecast Trend (2024-2032)
  - 8.4.2 Generators
    - 8.4.2.1 Historical Trend (2018-2023)
    - 8.4.2.2 Forecast Trend (2024-2032)
  - 8.4.3 Others
- 8.5 Global Critical Power Market by End Use
  - 8.5.1 Commercial
    - 8.5.1.1 Historical Trend (2018-2023)
    - 8.5.1.2 Forecast Trend (2024-2032)
  - 8.5.2 IT and Telecommunication
    - 8.5.2.1 Historical Trend (2018-2023)
    - 8.5.2.2 Forecast Trend (2024-2032)
  - 8.5.3 Industrial
    - 8.5.3.1 Historical Trend (2018-2023)
    - 8.5.3.2 Forecast Trend (2024-2032)
  - 8.5.4 Transportation
    - 8.5.4.1 Historical Trend (2018-2023)
    - 8.5.4.2 Forecast Trend (2024-2032)
  - 8.5.5 Government and Defence
    - 8.5.5.1 Historical Trend (2018-2023)
    - 8.5.5.2 Forecast Trend (2024-2032)
  - 8.5.6 Others
- 8.6 Global Critical Power Market by Region
  - 8.6.1 North America
    - 8.6.1.1 Historical Trend (2018-2023)
    - 8.6.1.2 Forecast Trend (2024-2032)
  - 8.6.2 Europe
    - 8.6.2.1 Historical Trend (2018-2023)
    - 8.6.2.2 Forecast Trend (2024-2032)
  - 8.6.3 Asia Pacific
    - 8.6.3.1 Historical Trend (2018-2023)
    - 8.6.3.2 Forecast Trend (2024-2032)
  - 8.6.4 Latin America
    - 8.6.4.1 Historical Trend (2018-2023)
    - 8.6.4.2 Forecast Trend (2024-2032)
  - 8.6.5 Middle East and Africa
    - 8.6.5.1 Historical Trend (2018-2023)
    - 8.6.5.2 Forecast Trend (2024-2032)
- 9 North America Critical Power Market Analysis
  - 9.1 United States of America
    - 9.1.1 Historical Trend (2018-2023)
    - 9.1.2 Forecast Trend (2024-2032)
  - 9.2 Canada
    - 9.2.1 Historical Trend (2018-2023)
    - 9.2.2 Forecast Trend (2024-2032)
- 10 Europe Critical Power Market Analysis

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- 10.1 United Kingdom
  - 10.1.1 Historical Trend (2018-2023)
  - 10.1.2 Forecast Trend (2024-2032)
- 10.2 Germany
  - 10.2.1 Historical Trend (2018-2023)
  - 10.2.2 Forecast Trend (2024-2032)
- 10.3 France
  - 10.3.1 Historical Trend (2018-2023)
  - 10.3.2 Forecast Trend (2024-2032)
- 10.4 Italy
  - 10.4.1 Historical Trend (2018-2023)
  - 10.4.2 Forecast Trend (2024-2032)
- 10.5 Others
- 11 Asia Pacific Critical Power Market Analysis
  - 11.1 China
    - 11.1.1 Historical Trend (2018-2023)
    - 11.1.2 Forecast Trend (2024-2032)
  - 11.2 Japan
    - 11.2.1 Historical Trend (2018-2023)
    - 11.2.2 Forecast Trend (2024-2032)
  - 11.3 India
    - 11.3.1 Historical Trend (2018-2023)
    - 11.3.2 Forecast Trend (2024-2032)
  - 11.4 ASEAN
    - 11.4.1 Historical Trend (2018-2023)
    - 11.4.2 Forecast Trend (2024-2032)
  - 11.5 Australia
    - 11.5.1 Historical Trend (2018-2023)
    - 11.5.2 Forecast Trend (2024-2032)
  - 11.6 Others
- 12 Latin America Critical Power Market Analysis
  - 12.1 Brazil
    - 12.1.1 Historical Trend (2018-2023)
    - 12.1.2 Forecast Trend (2024-2032)
  - 12.2 Argentina
    - 12.2.1 Historical Trend (2018-2023)
    - 12.2.2 Forecast Trend (2024-2032)
  - 12.3 Mexico
    - 12.3.1 Historical Trend (2018-2023)
    - 12.3.2 Forecast Trend (2024-2032)
  - 12.4 Others
- 13 Middle East and Africa Critical Power Market Analysis
  - 13.1 Saudi Arabia
    - 13.1.1 Historical Trend (2018-2023)
    - 13.1.2 Forecast Trend (2024-2032)
  - 13.2 United Arab Emirates
    - 13.2.1 Historical Trend (2018-2023)

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- 13.2.2 Forecast Trend (2024-2032)
- 13.3 Nigeria
  - 13.3.1 Historical Trend (2018-2023)
  - 13.3.2 Forecast Trend (2024-2032)
- 13.4 South Africa
  - 13.4.1 Historical Trend (2018-2023)
  - 13.4.2 Forecast Trend (2024-2032)
- 13.5 Others
- 14 Market Dynamics
  - 14.1 SWOT Analysis
    - 14.1.1 Strengths
    - 14.1.2 Weaknesses
    - 14.1.3 Opportunities
    - 14.1.4 Threats
  - 14.2 Porter's Five Forces Analysis
    - 14.2.1 Supplier's Power
    - 14.2.2 Buyer's Power
    - 14.2.3 Threat of New Entrants
    - 14.2.4 Degree of Rivalry
    - 14.2.5 Threat of Substitutes
  - 14.3 Key Indicators for Demand
  - 14.4 Key Indicators for Price
- 15 Competitive Landscape
  - 15.1 Market Structure
  - 15.2 Company Profiles
    - 15.2.1 Schneider Electric SE
      - 15.2.1.1 Company Overview
      - 15.2.1.2 Product Portfolio
      - 15.2.1.3 Demographic Reach and Achievements
      - 15.2.1.4 Certifications
    - 15.2.2 ABB Limited
      - 15.2.2.1 Company Overview
      - 15.2.2.2 Product Portfolio
      - 15.2.2.3 Demographic Reach and Achievements
      - 15.2.2.4 Certifications
    - 15.2.3 Eaton Corporation plc
      - 15.2.3.1 Company Overview
      - 15.2.3.2 Product Portfolio
      - 15.2.3.3 Demographic Reach and Achievements
      - 15.2.3.4 Certifications
    - 15.2.4 General Electric Company
      - 15.2.4.1 Company Overview
      - 15.2.4.2 Product Portfolio
      - 15.2.4.3 Demographic Reach and Achievements
      - 15.2.4.4 Certifications
    - 15.2.5 Kehua Data Co., Ltd.
      - 15.2.5.1 Company Overview

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- 15.2.5.2 Product Portfolio
- 15.2.5.3 Demographic Reach and Achievements
- 15.2.5.4 Certifications
- 15.2.6 WEG S.A.
  - 15.2.6.1 Company Overview
  - 15.2.6.2 Product Portfolio
  - 15.2.6.3 Demographic Reach and Achievements
  - 15.2.6.4 Certifications
- 15.2.7 Vertiv Group Corp.
  - 15.2.7.1 Company Overview
  - 15.2.7.2 Product Portfolio
  - 15.2.7.3 Demographic Reach and Achievements
  - 15.2.7.4 Certifications
- 15.2.8 Delta Electronics Inc.
  - 15.2.8.1 Company Overview
  - 15.2.8.2 Product Portfolio
  - 15.2.8.3 Demographic Reach and Achievements
  - 15.2.8.4 Certifications
- 15.2.9 Socomec Group
  - 15.2.9.1 Company Overview
  - 15.2.9.2 Product Portfolio
  - 15.2.9.3 Demographic Reach and Achievements
  - 15.2.9.4 Certifications
- 15.2.10 Others
- 16 Key Trends and Developments in the Market

#### List of Key Figures and Tables

1. Global Critical Power Market: Key Industry Highlights, 2018 and 2032
2. Global Critical Power Historical Market: Breakup by Type (USD Billion), 2018-2023
3. Global Critical Power Market Forecast: Breakup by Type (USD Billion), 2024-2032
4. Global Critical Power Historical Market: Breakup by End Use (USD Billion), 2018-2023
5. Global Critical Power Market Forecast: Breakup by End Use (USD Billion), 2024-2032
6. Global Critical Power Historical Market: Breakup by Region (USD Billion), 2018-2023
7. Global Critical Power Market Forecast: Breakup by Region (USD Billion), 2024-2032
8. North America Critical Power Historical Market: Breakup by Country (USD Billion), 2018-2023
9. North America Critical Power Market Forecast: Breakup by Country (USD Billion), 2024-2032
10. Europe Critical Power Historical Market: Breakup by Country (USD Billion), 2018-2023
11. Europe Critical Power Market Forecast: Breakup by Country (USD Billion), 2024-2032
12. Asia Pacific Critical Power Historical Market: Breakup by Country (USD Billion), 2018-2023
13. Asia Pacific Critical Power Market Forecast: Breakup by Country (USD Billion), 2024-2032
14. Latin America Critical Power Historical Market: Breakup by Country (USD Billion), 2018-2023
15. Latin America Critical Power Market Forecast: Breakup by Country (USD Billion), 2024-2032
16. Middle East and Africa Critical Power Historical Market: Breakup by Country (USD Billion), 2018-2023
17. Middle East and Africa Critical Power Market Forecast: Breakup by Country (USD Billion), 2024-2032
18. Global Critical Power Market Structure

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