

# **Global Electronic Load Market Size study & Forecast, by Voltage (High Voltage, Low Voltage) by Application (Aerospace, Defense & Government Services, Automotive, Energy, Wireless Communications & Infrastructure, Others), by Current Type (AC, DC) and Regional Analysis, 2023-2030**

<https://marketpublishers.com/r/GA9D95DC9E46EN.html>

Date: August 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GA9D95DC9E46EN

## **Abstracts**

Global Electronic Load Market is valued approximately at USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. An electronic load is a device designed to simulate the load, such as a resistor, in an electrical circuit. It is commonly used in the testing and characterization of power supplies, batteries, fuel cells, and other power sources. Rather than dissipating energy like a traditional resistor, an electronic load consumes electrical power and converts it into heat or other forms of energy. The key factor driving the market growth is rising emphasis on testing of consumer electronics & appliances, rising demand in automotive industry, and growing wireless communications and infrastructure. These factors are anticipated to create the lucrative demand for the market during forecast period 2023-2030.

Moreover, the surging consumption of renewable energy can support the growth of the electronic load market. As renewable energy sources such as solar and wind power become more prevalent, there is a growing need to test the performance and reliability of related electronic components and systems. This includes testing electronic loads, which simulate the power consumption of devices under different operating conditions. The increased adoption of renewable energy creates a larger market for electronic load testing equipment and services. According to the International Renewable Energy Agency's Renewable Capacity Statistics 2021, the world's total renewable capacity

increased by 10.3% in 2020 to 2799094 MW. Additionally, support policies and infrastructure development for electric vehicles (EV), and increasing investments in research and development (R&D) for test and measurement equipment is anticipated to create the lucrative growth opportunity for the market over the forecast period. However, the high capital cost of electronic loads and rapid technological changes stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Electronic Load Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the presence of key market players, growing focus on R&D for aerospace & defense, rising adoption of autonomous vehicles, and growing foreign direct investments (FDI) for the automotive sector. Whereas, the Asia Pacific is expected to grow at fastest growth rate during the forecast period, owing to factors such as the cohesive government policies for electric mobility, rising adoption of 5G technology, rising investments in R&D and growing wireless communications & infrastructure in the region.

Major market player included in this report are:

Keysight Technologies (US)

AMETEK (US)

National Instruments (US)

Chroma ATE (Taiwan)

Teledyne Technologies (US)

B&K Precision Corporation(US)

Tektronix, Inc (US)

Good Will Instrument Co., Ltd. (Taiwan)

NF corporation (Japan)

Kikusui Electronics Corporation (Japan)

Recent Developments in the Market:

NA

Global Electronic Load Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered – Voltage, Application, Current Type, Region

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

## Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's 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 to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

### By Voltage:

High Voltage

Low Voltage

### By Application:

Aerospace, Defense & Government Services

Automotive

Energy

Wireless Communications & Infrastructure

Others

### By Current Type:

AC

DC

### By Region:

#### North America

U.S.

Canada

#### Europe

UK

Germany

France

Spain

Italy

## ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Electronic Load Market, by region, 2020-2030 (USD Billion)
  - 1.2.2. Electronic Load Market, by Voltage, 2020-2030 (USD Billion)
  - 1.2.3. Electronic Load Market, by Application, 2020-2030 (USD Billion)
  - 1.2.4. Electronic Load Market, by Current Type, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL ELECTRONIC LOAD MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL ELECTRONIC LOAD MARKET DYNAMICS

- 3.1. Electronic Load Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Rising emphasis on testing of consumer electronics & appliances,
    - 3.1.1.2. Increasing demand in automotive industry
    - 3.1.1.3. Growing wireless communications and infrastructure
  - 3.1.2. Market Challenges
    - 3.1.2.1. High capital cost of electronic loads
    - 3.1.2.2. Rapid technological changes
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Cohesive government policies and infrastructure development for electric vehicles (EV)
    - 3.1.3.2. Increasing investments in research and development (R&D) for test and measurement equipment

## **CHAPTER 4. GLOBAL ELECTRONIC LOAD MARKET: INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economic
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL ELECTRONIC LOAD MARKET, BY VOLTAGE**

- 5.1. Market Snapshot
- 5.2. Global Electronic Load Market by Voltage, Performance - Potential Analysis
- 5.3. Global Electronic Load Market Estimates & Forecasts by Voltage 2020-2030 (USD Billion)
- 5.4. Electronic Load Market, Sub Segment Analysis
  - 5.4.1. High Voltage
  - 5.4.2. Low Voltage

## **CHAPTER 6. GLOBAL ELECTRONIC LOAD MARKET, BY APPLICATION**

- 6.1. Market Snapshot
- 6.2. Global Electronic Load Market by Application, Performance - Potential Analysis
- 6.3. Global Electronic Load Market Estimates & Forecasts by Application 2020-2030 (USD Billion)

- 6.4. Electronic Load Market, Sub Segment Analysis
  - 6.4.1. Aerospace, Defence & Government Services
  - 6.4.2. Automotive
  - 6.4.3. Energy
  - 6.4.4. Wireless Communications & Infrastructure
  - 6.4.5. Others

## **CHAPTER 7. GLOBAL ELECTRONIC LOAD MARKET, BY CURRENT TYPE**

- 7.1. Market Snapshot
- 7.2. Global Electronic Load Market by Current Type, Performance - Potential Analysis
- 7.3. Global Electronic Load Market Estimates & Forecasts by Current Type 2020-2030 (USD Billion)
- 7.4. Electronic Load Market, Sub Segment Analysis
  - 7.4.1. AC
  - 7.4.2. DC

## **CHAPTER 8. GLOBAL ELECTRONIC LOAD MARKET, REGIONAL ANALYSIS**

- 8.1. Top Leading Countries
- 8.2. Top Emerging Countries
- 8.3. Electronic Load Market, Regional Market Snapshot
- 8.4. North America Electronic Load Market
  - 8.4.1. U.S. Electronic Load Market
    - 8.4.1.1. Voltage breakdown estimates & forecasts, 2020-2030
    - 8.4.1.2. Application breakdown estimates & forecasts, 2020-2030
    - 8.4.1.3. Current Type breakdown estimates & forecasts, 2020-2030
  - 8.4.2. Canada Electronic Load Market
- 8.5. Europe Electronic Load Market Snapshot
  - 8.5.1. U.K. Electronic Load Market
  - 8.5.2. Germany Electronic Load Market
  - 8.5.3. France Electronic Load Market
  - 8.5.4. Spain Electronic Load Market
  - 8.5.5. Italy Electronic Load Market
  - 8.5.6. Rest of Europe Electronic Load Market
- 8.6. Asia-Pacific Electronic Load Market Snapshot
  - 8.6.1. China Electronic Load Market
  - 8.6.2. India Electronic Load Market
  - 8.6.3. Japan Electronic Load Market

- 8.6.4. Australia Electronic Load Market
- 8.6.5. South Korea Electronic Load Market
- 8.6.6. Rest of Asia Pacific Electronic Load Market
- 8.7. Latin America Electronic Load Market Snapshot
  - 8.7.1. Brazil Electronic Load Market
  - 8.7.2. Mexico Electronic Load Market
- 8.8. Middle East & Africa Electronic Load Market
  - 8.8.1. Saudi Arabia Electronic Load Market
  - 8.8.2. South Africa Electronic Load Market
  - 8.8.3. Rest of Middle East & Africa Electronic Load Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. Company
  - 9.1.2. Company
  - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
  - 9.3.1. Keysight Technologies (US)
    - 9.3.1.1. Key Information
    - 9.3.1.2. Overview
    - 9.3.1.3. Financial (Subject to Data Availability)
    - 9.3.1.4. Product Summary
    - 9.3.1.5. Recent Developments
  - 9.3.2. AMETEK, Inc (US)
  - 9.3.3. National Instruments (US)
  - 9.3.4. Chroma ATE (Taiwan)
  - 9.3.5. Teledyne Technologies (US)
  - 9.3.6. B&K Precision Corporation (US)
  - 9.3.7. Tektronix, Inc (US)
  - 9.3.8. Good Will Instrument Co., Ltd. (Taiwan)
  - 9.3.9. NF Corporation (Japan)
  - 9.3.10. Kikusui Electronics Corporation (Japan)

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining



- 10.1.2. Analysis
- 10.1.3. Market Estimation
- 10.1.4. Validation
- 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption
- 12. List of Tables
- TABLE 1. Global Electronic Load Market, report scope
- TABLE 2. Global Electronic Load Market estimates & forecasts by region 2020-2030 (USD Billion)
- TABLE 3. Global Electronic Load Market estimates & forecasts by Voltage 2020-2030 (USD Billion)
- TABLE 4. Global Electronic Load Market estimates & forecasts by Application 2020-2030 (USD Billion)
- TABLE 5. Global Electronic Load Market estimates & forecasts by Current Type 2020-2030 (USD Billion)
- TABLE 6. Global Electronic Load Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 7. Global Electronic Load Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 8. Global Electronic Load Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 9. Global Electronic Load Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 10. Global Electronic Load Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 11. Global Electronic Load Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 12. Global Electronic Load Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 13. Global Electronic Load Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 14. Global Electronic Load Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 15. Global Electronic Load Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 16. U.S. Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 17. U.S. Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 18. U.S. Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 19. Canada Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 20. Canada Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. Canada Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. UK Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 23. UK Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. UK Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. Germany Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 26. Germany Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. Germany Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 29. France Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. France Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. Italy Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 32. Italy Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Italy Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Spain Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 35. Spain Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. Spain Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. RoE Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 38. RoE Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. RoE Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 40. China Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 41. China Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. China Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 43. India Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 44. India Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. India Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 46. Japan Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 47. Japan Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. Japan Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 49. South Korea Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 50. South Korea Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. South Korea Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 52. Australia Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 53. Australia Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. Australia Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 55. RoAPAC Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 56. RoAPAC Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. RoAPAC Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 58. Brazil Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 59. Brazil Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Brazil Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Mexico Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 62. Mexico Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. Mexico Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. RoLA Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 65. RoLA Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. RoLA Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. Saudi Arabia Electronic Load Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 68. South Africa Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. RoMEA Electronic Load Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. 12. List of secondary sources, used in the study of global Electronic Load Market

TABLE 71. 12. List of primary sources, used in the study of global Electronic Load Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

12. List of figures

FIG 1. Global Electronic Load Market, research methodology

FIG 2. Global Electronic Load Market, Market estimation techniques

FIG 3. Global Market size estimates & forecast methods

FIG 4. Global Electronic Load Market, key trends 2022

FIG 5. Global Electronic Load Market, growth prospects 2023-2030

FIG 6. Global Electronic Load Market, porters 5 force model

FIG 7. Global Electronic Load Market, pest analysis

FIG 8. Global Electronic Load Market, value chain analysis

- FIG 9. Global Electronic Load Market by segment, 2020 & 2030 (USD Billion)
- FIG 10. Global Electronic Load Market by segment, 2020 & 2030 (USD Billion)
- FIG 11. Global Electronic Load Market by segment, 2020 & 2030 (USD Billion)
- FIG 12. Global Electronic Load Market by segment, 2020 & 2030 (USD Billion)
- FIG 13. Global Electronic Load Market by segment, 2020 & 2030 (USD Billion)
- FIG 14. Global Electronic Load Market, regional snapshot 2020 & 2030
- FIG 15. North America Electronic Load Market 2020 & 2030 (USD Billion)
- FIG 16. Europe Electronic Load Market 2020 & 2030 (USD Billion)
- FIG 17. Asia pacific Electronic Load Market 2020 & 2030 (USD Billion)
- FIG 18. Latin America Electronic Load Market 2020 & 2030 (USD Billion)
- FIG 19. Middle East & Africa Electronic Load Market 2020 & 2030 (USD Billion)
- 12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Electronic Load Market Size study & Forecast, by Voltage (High Voltage, Low Voltage) by Application (Aerospace, Defense & Government Services, Automotive, Energy, Wireless Communications & Infrastructure, Others), by Current Type (AC, DC) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/GA9D95DC9E46EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA9D95DC9E46EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970