

# Global Module Charge and Discharge Test Equipment Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Module Charge and Discharge Test Equipment market size was valued at US\$ 513 million in 2025 and is forecast to a readjusted size of US\$ 706 million by 2032 with a CAGR of 4.6% during review period.

Module charge and discharge test equipment is a dedicated power supply and measurement system for performance evaluation and reliability verification of battery modules (an intermediate layer composed of multiple cells connected in series and parallel). A typical system consists of a bidirectional programmable DC power supply, electronic load, high-precision measurement unit, module fixture and temperature control system, and host computer control and data management software. It can accurately control the charging and discharging process under constant current, constant voltage, and pulse conditions, and record key parameters such as voltage, current, and temperature. In terms of product portfolio, module charge and discharge test equipment can be roughly divided into laboratory R&D systems, mass production line and aging test systems, and high-power simulation platforms for OEMs and energy storage system integrators, which together form a key testing 'bridge' from cell to battery pack.

In 2025, global Module Charge and Discharge Test Equipment sales reached approximately 19,776 Units, with an average global market price of around 25.2 K US\$/Unit. Production capacity reached 25,000 Units, with a gross profit margin of approximately 36%.

This report is a detailed and comprehensive analysis for global Module Charge and

Discharge Test Equipment market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Voltage and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Module Charge and Discharge Test Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Module Charge and Discharge Test Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Module Charge and Discharge Test Equipment market size and forecasts, by Voltage and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Module Charge and Discharge Test Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Module Charge and Discharge Test Equipment
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Module Charge and Discharge Test

Equipment market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Wonik PNE, Bitrode, TOYO SYSTEM, Kikusui Electronics, Fujian Nebula Electronics, Meiden Hokuto, Keysight, Chroma ATE, Shenzhen Neware Technology, Shenzhen Geekttest Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Module Charge and Discharge Test Equipment market is split by Voltage and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Voltage, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Voltage

Medium Voltage

High Voltage

### Market segment by Type

Standard Type

High-Precision Type

### Market segment 1

1

### Market segment by Application

Automotive Manufacturers

Energy Storage

Electric Tools

Research Institutions

Others

#### Major players covered

Wonik PNE

Bitrode

TOYO SYSTEM

Kikusui Electronics

Fujian Nebula Electronics

Meiden Hokuto

Keysight

Chroma ATE

Shenzhen Neware Technology

Shenzhen Geektest Technology

Anhui Ruineng Technology

RePower Technology

Shenzhen Sinexcel

Hubei Techpow Electric

Arbin Instruments

ITECH Electronics

Tsing Standard

PEC Corp

NI

Tokyo Seimitsu

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Module Charge and Discharge Test Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Module Charge and Discharge Test Equipment, with price, sales quantity, revenue, and global market share of Module Charge and Discharge Test Equipment from 2021 to 2026.

Chapter 3, the Module Charge and Discharge Test Equipment competitive situation,

*Global Module Charge and Discharge Test Equipment Market 2026 by Manufacturers, Regions, Type and Application,...*

sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Module Charge and Discharge Test Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Voltage and by Application, with sales market share and growth rate by Voltage, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Module Charge and Discharge Test Equipment market forecast, by regions, by Voltage, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Module Charge and Discharge Test Equipment.

Chapter 14 and 15, to describe Module Charge and Discharge Test Equipment sales channel, distributors, customers, research findings and conclusion.

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