

Global EV Battery Cyclers Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G6D38B0F5333EN.html>

Date: April 2026

Pages: 139

Price: US\$ 4,480.00 (Single User License)

ID: G6D38B0F5333EN

Abstracts

The global EV Battery Cyclers market size is expected to reach \$ 672 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

EV Battery Cyclers are specialized charge-discharge testing systems used to simulate the real operating conditions of electric vehicle batteries. They repeatedly charge and discharge lithium-ion battery cells, modules, or packs under controlled voltage, current, temperature, and safety parameters to evaluate performance, capacity retention, cycle life, thermal behavior, and reliability. These systems are widely used in battery R&D laboratories, EV OEM validation centers, and battery manufacturing formation and aging lines, and often include regenerative power technology that feeds discharged energy back to the grid to improve efficiency. In 2025, global EV Battery Cyclers production reached approximately 8514 units, with an average global market price of around US\$50000 usd per unit. The production capacity for EV Battery Cyclers 2025 was approximately 9000 units. The typical gross profit margin for EV Battery Cyclers between 20% and 40%.

The EV Battery Cyclers market is growing rapidly alongside the expansion of the electric vehicle and lithium-ion battery industries. Demand is driven by increasing global battery production capacity, gigafactory construction, stricter safety validation requirements, and the shift toward high-energy-density chemistries such as high-nickel and solid-state batteries. The largest revenue segment comes from formation and aging cyclers installed in battery manufacturing plants, while high-power regenerative pack test systems for EV validation and precision cyclers for R&D labs are also expanding. Asia-Pacific, led by China, South Korea, and Japan, dominates demand due to the concentration of major battery manufacturers.

This report studies the global EV Battery Cyclers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for EV Battery Cyclers and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of EV Battery Cyclers that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global EV Battery Cyclers total production and demand, 2021-2032, (Units)

Global EV Battery Cyclers total production value, 2021-2032, (USD Million)

Global EV Battery Cyclers production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global EV Battery Cyclers consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: EV Battery Cyclers domestic production, consumption, key domestic manufacturers and share

Global EV Battery Cyclers production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global EV Battery Cyclers production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global EV Battery Cyclers production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global EV Battery Cyclers market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include WONIK PNE, ESPEC Corp, Chroma ATE, Arbin Instruments, Bitrode (Sovema), TOYO SYSTEM, Soft Energy Controls, Keysight, Digatron, Maccor, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World EV Battery Cyclers market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global EV Battery Cyclers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global EV Battery Cyclers Market, Segmentation by Type:

Low Voltage Battery Cyclers

Medium Voltage Battery Cyclers

High Voltage Battery Cyclers

Global EV Battery Cyclers Market, Segmentation by Battery Type:

Single Cells

Module Battery

Others

Global EV Battery Cyclers Market, Segmentation by Test type:

R&D Cyclers

Validation Cyclers

Formation & Aging Cyclers

Global EV Battery Cyclers Market, Segmentation by Application:

EV Manufacturers

Battery Manufacturers

Testing Institutes

Others

Companies Profiled:

WONIK PNE

ESPEC Corp

Chroma ATE

Arbin Instruments

Bitrode (Sovema)

TOYO SYSTEM

Soft Energy Controls

Keysight

Digatron

Maccor

PEC

NH Research (NI)

Matsusada Precision

RePower Technology

Fujian Nebula Electronics

Wuhan LAND Electronic

Hubei Techpow Electric

Key Questions Answered:

1. How big is the global EV Battery Cyclers market?
2. What is the demand of the global EV Battery Cyclers market?
3. What is the year over year growth of the global EV Battery Cyclers market?
4. What is the production and production value of the global EV Battery Cyclers market?
5. Who are the key producers in the global EV Battery Cyclers market?
6. What are the growth factors driving the market demand?

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