

# Global EMU Traction Battery Market Growth 2026-2032

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## Abstracts

The global EMU Traction Battery market size is predicted to grow from US\$ 528 million in 2025 to US\$ 830 million in 2032; it is expected to grow at a CAGR of 6.6% from 2026 to 2032.

Trainset batteries are high-power energy storage systems installed on trainsets or locomotives to provide emergency power, auxiliary power, or self-traction capability. These systems typically employ lithium titanate (LTO) or lithium iron phosphate (LFP) technology, enabling trains to operate on non-electrified tracks or be moved to a safe area in the event of a catenary failure. This technology emphasizes high safety, long cycle life, and fast charging capability. The trainset battery industry chain begins with upstream raw materials such as lithium, positive and negative electrode materials, electrolytes, and battery management system (BMS) chips. Midstream, specialized rail transit energy storage manufacturers assemble battery modules and packs, ensuring compliance with stringent standards such as IEC 62928. Downstream applications cover high-speed rail, subway systems, and freight locomotives. Thermal management integration, safety testing, and full lifecycle maintenance services are crucial for operational reliability. In 2025, global trainset battery production is estimated at approximately 300 MWh, with a global average market price of approximately US\$1,800 per kilowatt-hour. The gross profit margin of major companies in the industry ranges from 35% to 50%. In 2025, the global production capacity of batteries for high-speed trains will be approximately 375 megawatt-hours.

United States market for EMU Traction Battery is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for EMU Traction Battery is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for EMU Traction Battery is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key EMU Traction Battery players cover Henan Xintaihang Power Supply Co., Ltd., Sichuan Changhong Power Supply Co., Ltd., Saft, Hobek Power Systems (Shanghai) Co., Ltd., etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?EMU Traction Battery Industry Forecast? looks at past sales and reviews total world EMU Traction Battery sales in 2025, providing a comprehensive analysis by region and market sector of projected EMU Traction Battery sales for 2026 through 2032. With EMU Traction Battery sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world EMU Traction Battery industry.

This Insight Report provides a comprehensive analysis of the global EMU Traction Battery landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on EMU Traction Battery portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global EMU Traction Battery market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for EMU Traction Battery and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global EMU Traction Battery.

This report presents a comprehensive overview, market shares, and growth opportunities of EMU Traction Battery market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Lead-Acid Traction Battery

Lithium-Ion Traction Battery

## Lithium Iron Phosphate (LiFePO<sub>4</sub>) Battery

### Segmentation by Capacity:

High-Capacity Traction Battery

Standard Capacity Traction Battery

### Segmentation by Application:

EMU Traction Power Backup

Onboard Control System Power Supply

Lighting and HVAC Systems Support

Emergency Starting of Train Systems

Auxiliary Power Supply during Main Power Failure

### This report also splits the market by region:

#### Americas

United States

Canada

Mexico

Brazil

#### APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Henan Xintaihang Power Supply Co., Ltd.

Sichuan Changhong Power Supply Co., Ltd.

Saft

Hobek Power Systems (Shanghai) Co., Ltd.

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global EMU Traction Battery market?

What factors are driving EMU Traction Battery market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do EMU Traction Battery market opportunities vary by end market size?

How does EMU Traction Battery break out by Type, by Application?

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