

Global Battery Spot Welding Pin 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 Battery Spot Welding Pin market size was valued at US\$ 55.56 million in 2025 and is forecast to a readjusted size of US\$ 97 million by 2032 with a CAGR of 8.3% during review period.

In 2025, global sales of Battery Spot Welding Pin were approximately 9 million pieces, with an average global market price of about USD 6 per piece. The gross margin of major manufacturers in the industry was approximately 28%-42%.

Battery Spot Welding Pin is a micro-resistance welding electrode component used in battery manufacturing and battery pack assembly. It is mainly used to spot-weld nickel sheets, nickel strips, tabs, connecting pieces, leads and other conductive metal components to cell terminals or pole posts. The product is typically made from chromium copper, tungsten copper, silver tungsten, alumina copper, molybdenum and molybdenum alloy materials, and can be designed into double-head eccentric, double-head center, single-head eccentric and other structures according to welding materials, weld spot positions and equipment clamping structures. Key performance indicators include electrical conductivity, high-temperature resistance, wear resistance, anti-sticking performance, weld stability and service life.

The upstream of Battery Spot Welding Pin mainly includes chromium copper, tungsten copper, silver tungsten, alumina copper, molybdenum and molybdenum alloy electrode materials, as well as precision machining tools, surface treatment materials, inspection fixtures and packaging consumables. The midstream covers electrode structure design, material selection, machining, grinding, inlaying and customized production. Downstream applications mainly include power batteries, consumer electronics

batteries, energy storage batteries and other battery manufacturing processes. Its value is mainly reflected in improving welding consistency, reducing false welding and electrode sticking risks, extending electrode service life, and adapting to different battery models and automated spot welding equipment.

This report is a detailed and comprehensive analysis for global Battery Spot Welding Pin market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type 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 Battery Spot Welding Pin market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Battery Spot Welding Pin market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Battery Spot Welding Pin market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Battery Spot Welding Pin market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (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 Battery Spot Welding Pin

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 Battery Spot Welding Pin 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 Huys Industries, Sunstone Engineering, HOSO Metal, Tianjin Rosen Technology, HUATAIDE METAL, etc.

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

Market Segmentation

Battery Spot Welding Pin market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, 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 Type

Chromium Copper

Tungsten Copper

Silver Tungsten

Alumina Copper

Molybdenum-Based

Market segment by Structure

Double-Head Eccentric Type

Double-Head Center Type

Single-Head Eccentric Type

Market segment by Application

Power Battery

Consumer Electronics Battery

Energy Storage Battery

Other

Major players covered

Huys Industries

Sunstone Engineering

HOSO Metal

Tianjin Rosen Technology

HUATAIDE METAL

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 Battery Spot Welding Pin product scope, market overview,

market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Battery Spot Welding Pin, with price, sales quantity, revenue, and global market share of Battery Spot Welding Pin from 2021 to 2026.

Chapter 3, the Battery Spot Welding Pin competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Battery Spot Welding Pin 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 Type and by Application, with sales market share and growth rate by Type, 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 Battery Spot Welding Pin market forecast, by regions, by Type, 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 Battery Spot Welding Pin.

Chapter 14 and 15, to describe Battery Spot Welding Pin sales channel, distributors, customers, research findings and conclusion.

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