

# Global PERC Solar Cell Silver Metallization Paste 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 PERC Solar Cell Silver Metallization Paste market size was valued at US\$ 2280 million in 2025 and is forecast to a readjusted size of US\$ 2832 million by 2032 with a CAGR of 3.1% during review period.

PERC Solar Cell Silver Metallization Paste is a family of screen-printable silver pastes used to form the metal contacts (typically the front grid, and sometimes rear Ag/AgAl features depending on the design) on crystalline-Si PERC solar cells. In mainstream p-type PERC, the front contact is usually realized by a fire-through Ag paste that forms electrical contact through the SiNx antireflection/passivation layer during fast firing, enabling low contact resistance and robust adhesion.

Upstream, the paste is typically formulated from conductive silver powder, metal-oxide glass frit, and an organic vehicle. Downstream, it is applied in PERC cell lines via screen printing ? drying ? inline co-firing in an IR belt furnace, where the front Ag pattern penetrates the SiNx ARC and forms the final contact; cells are then interconnected and laminated into PV modules.

In 2025, global sales of PERC Solar Cell Silver Metallization Paste reached approximately 2,301 tons, with an average global market price of around US\$ 963/kg. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 5% to 20%.

This report is a detailed and comprehensive analysis for global PERC Solar Cell Silver Metallization Paste 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 PERC Solar Cell Silver Metallization Paste market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global PERC Solar Cell Silver Metallization Paste market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global PERC Solar Cell Silver Metallization Paste market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global PERC Solar Cell Silver Metallization Paste market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 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 PERC Solar Cell Silver Metallization Paste
- 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 PERC Solar Cell Silver Metallization Paste 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 Fusion, Heraeus, DKEM, iSilver Materials, Solamet, Giga Solar Materials, Jiangsu Riyu Photovoltaic, Nantong TSUN Technology, Zhejiang Gonda, Shenzhen Soltrium, etc.

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

## Market Segmentation

PERC Solar Cell Silver Metallization Paste 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

Front-Side Silver Paste

Rear-Side Silver Paste

### Market segment by Fire-Through Behavior

Fire-Through Contact Paste

Non-Fire-Through Floating Paste

### Market segment by Silver Particle System

Flake-Type Ag Powder Paste

Spherical-Type Ag Powder Paste

Other

### Market segment by Application

PERC Solar Cells

PERC PV Modules

Other

## Major players covered

Fusion

Heraeus

DKEM

iSilver Materials

Solamet

Giga Solar Materials

Jiangsu Riyu Photovoltaic

Nantong TSUN Technology

Zhejiang Gonda

Shenzhen Soltrium

Sinocera

## 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 PERC Solar Cell Silver Metallization Paste product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PERC Solar Cell Silver Metallization Paste, with price, sales quantity, revenue, and global market share of PERC Solar Cell Silver Metallization Paste from 2021 to 2026.

Chapter 3, the PERC Solar Cell Silver Metallization Paste competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the PERC Solar Cell Silver Metallization Paste 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 PERC Solar Cell Silver Metallization Paste 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 PERC Solar Cell Silver Metallization Paste.

Chapter 14 and 15, to describe PERC Solar Cell Silver Metallization Paste sales channel, distributors, customers, research findings and conclusion.

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