

Global PV Metallization Silver Paste Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global PV Metallization Silver Paste market size was valued at US\$ 3271 million in 2024 and is forecast to a readjusted size of USD 3634 million by 2031 with a CAGR of 1.5% during review period.

In silicon solar cells, forming good ohmic contact between the emitter and the metal with minimum contact resistance is critical to achieve peak electrical performance. Silver paste is commonly used to form contact. Factors related to paste chemistry, process conditions and the solar cell wafers influence the contact quality.

Global key players of PV metallization silver aaste include Changzhou Fusion New Material, Heraeus, DK Electronic Materials, etc. The top three players hold a share about 68%. China is the largest producer, has a share about 92%, followed by Europe and North America, with share 2% and 1%, respectively. The largest market is Asia-Pacific, with a share about 97%, followed by North America and Europe, both have a share about 1 percent.

This report is a detailed and comprehensive analysis for global PV Metallization Silver 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 PV Metallization Silver Paste market size and forecasts, in consumption value (\$ Million), sales quantity (MT), and average selling prices (US\$/Kg), 2020-2031

Global PV Metallization Silver Paste market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (MT), and average selling prices (US\$/Kg), 2020-2031

Global PV Metallization Silver Paste market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (MT), and average selling prices (US\$/Kg), 2020-2031

Global PV Metallization Silver Paste market shares of main players, shipments in revenue (\$ Million), sales quantity (MT), and ASP (US\$/Kg), 2020-2025

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 PV Metallization Silver 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 PV Metallization Silver 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 Changzhou Fusion New Material, Heraeus, DK Electronic Materials, Good-Ark, Giga Solar, Dupont, Soltrium, Wuhan Youleguang, Monocrystal, Rutech, etc.

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

Market Segmentation

PV Metallization Silver Paste market is split by Type and by Application. For the period 2020-2031, 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

Back Side Silver Paste

Market segment by Application

PERC Solar Cell

BSF Solar Cell

TOPCon Solar Cell

HJT Solar Cell

Others

Major players covered

Changzhou Fusion New Material

Heraeus

DK Electronic Materials

Good-Ark

Giga Solar

Dupont

Soltrium

Wuhan Youleguang

Monocrystal

Rutech

Shanghai Transcom Scientific

Daejoo

Xi'an Chuanglian

Leed

Samsung SDI

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 PV Metallization Silver Paste product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PV Metallization Silver Paste, with price, sales quantity, revenue, and global market share of PV Metallization Silver Paste from 2020 to 2025.

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

Chapter 4, the PV Metallization Silver Paste breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and PV Metallization Silver Paste market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 PV Metallization Silver Paste.

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

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