

Trade Press Release

Hanau, Germany, September 26, 2013

Heraeus to Offer New Metallization Pastes for N-type Solar Cells at EU PVSEC 2013

The Heraeus Photovoltaics Business Unit will be exhibiting at this year's EU PVSEC, to be held in Paris from October 1-3 (EU PVSEC Conference: September 30 – October 4) and will showcase their new metallization pastes for n-type solar cells.

Heraeus provides their customers with the complete family of pastes for the metallization of bifacial n-type solar cells. The new SOL9350 Series for p⁺ wafer surfaces has recently been introduced to the market. The pastes enable increased cell efficiency and improved printability.

“The SOL9350 Series represents the latest generation of Ag-Al conductor pastes for contacting boron emitters for high-efficiency n-type solar cells. As a result of innovative R&D work, Heraeus pushes the performance of n-type solar cells to the next level with this series of pastes,” stated Carsten Mohr, Manager Europe of the Heraeus Photovoltaics Business Unit. “Positive feedback from customers confirms superior processing and significant performance improvements,” he continues to say.

Processing improvements include excellent flooding and low bleeding for easier handling. The performance improvements of the paste in turn help to print finger lines with improved line uniformity and aspect ratio. “Cell manufacturers value the ability of the SOL9350 Series to print through narrower finger line openings and providing high line uniformity. This in conjunction with lower contact resistances and minimized cell damaging, this new generation of pastes enables the highest performance for high-efficiency n-type solar cells,” explains Dr. Weiming Zhang, Vice President of Technology at the Photovoltaics Business Unit.

The Heraeus Photovoltaics Business Unit offers the complete package of pastes for bifacial n-type solar cells: for p⁺ wafer surfaces as well as for n⁺ surfaces. Their current recommendations for n-type solar cells are the Ag-Al conductor SOL9350 Series for p⁺ emitter in conjunction with the Ag conductor SOL9610 Series or lower Ag content SOL9300 Series for the Back Surface Field (BSF). Driven by innovation, the Heraeus R&D team is constantly working on the development of new metallization pastes for n-type solar cells.

To learn more about Heraeus' metallization pastes for n-type solar cells and other metallization pastes for the photovoltaic industry, visit us at this year's EU PVSEC trade show in Paris, Parc des Expositions Paris Nord Villepinte, in hall 2, booth number 2/C3 or go to www.pvsilverpaste.com.

Heraeus Photovoltaics Business Unit

The Heraeus Photovoltaics Business Unit is an industry leading developer and manufacturer of silver metallization pastes for the photovoltaic industry. For over 40 years, Heraeus has built a reputation of innovation, extensive research and new product development in thick film technologies for some of the most prominent companies within a variety of industries. In the field of photovoltaics, the Heraeus Photovoltaics Business Unit applies this history and its innovative technology to offer metallization pastes for solar cell applications. The Heraeus SOL Series of silver pastes is specially formulated to provide higher efficiencies and wider processing windows, resulting in better yields and higher output for cell manufacturers.

About Heraeus

Heraeus, the precious metals and technology group headquartered in Hanau, Germany, is a global, private company with more than 160 years of tradition. Our fields of competence include precious metals, materials and technologies, sensors, biomaterials and medical products, quartz glass, and specialty light sources. In the financial year 2012 Heraeus generated product revenues of €4.2 billion and precious metal trading revenues of €16 billion. With more than 12,200 employees in over 100 subsidiaries worldwide, Heraeus holds a leading position in its global markets.

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