

Press Release

Heraeus Photovoltaics introduces the latest line of its high-performance SOL 7 Series Silver Pastes

SHANGHAI, China, June 10, 2020- Heraeus Photovoltaics, a leading technology solution provider for the renewable energy industry, today announced the launch of its newest and most advanced metallization pastes. The SOL 7 Series paste line includes five high-performing, high-efficiency pastes designed to meet the needs of PV cell manufacturers. The next-generation SOL 7 Series pastes provide manufacturers with a variety of metallization solutions that can increase power output and efficiency across all mainstream solar cell technology.

Ms. Wen Zhou, the President of Heraeus Photovoltaics, said, "Cell manufacturers continue to search for new ways to deliver greater PERC efficiencies and improve module reliability. The newest additions to the SOL 7 Series paste portfolio are designed to help them achieve that." The new pastes, which are designed for specific manufacturing needs, include:

- **SOL9671B:** A new generation front side silver paste for PERC+SE. It offers ultra-fine line screen printing, superior metallization on ULDE plus SE, High Voc by extra protection on laser damaged selective emitter and is suitable for single-print and dual-print. (>0.05% Eta gain)
- **SOL6700B:** The newly developed SOL6700 dual printing busbar paste helps to realize higher efficiency and lower manufacturing costs. Compatible with a variety of mainstream cell technology (such as Mono PERC, Multi, N-type and others), this paste provides excellent adhesion and a wide soldering window.
- **SOL9390A:** This N-Type front side paste, which is compatible with double and dual printing, provides cell manufacturers with better contact resistivity for p+ emitter. Additionally, the paste improves printability/line uniformity and offers low metal induced recombination leading to higher Voc. (> +0.1% Eta gain)
- **SOL7300:** The SOL 7300 paste uses brand new glass chemistry to enable manufacturers to achieve high performance of N-type cells with TOPCon on rear. Excellent contact resistivity is achieved even when fired at lower temperatures and supports ultra-thin poly layer.
- **SOL590:** The SOL590 features excellent contact resistivity and unique low curing temperature by innovative silver powder improvements. This new low-temperature HJT paste delivers outstanding efficiency gain, greater adhesion and solder ability, and can lower paste consumption. (> +0.1% Eta gain)

For more information on the Heraeus Photovoltaics SOL 7 paste portfolio, please visit https://www.heraeus.cn/cn/hpt/products_solutions_photovoltaics/cell_solutions/silver_pastes/cell_solutions_overview_1.html

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About the Heraeus Photovoltaics Global Business Unit

The Heraeus Photovoltaics Global 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.

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