

## Press Release

### **Heraeus PERC-Tabbing Paste Receives Solar+Power Award 2016 for Delivering Outstanding Cell Efficiency**

#### **More than 7,500 industry experts voted for award**

HANAU, GERMANY- July 05, 2016- Heraeus Photovoltaics, the worldwide leading supplier of metallization solutions to the PV industry, received the Solar + Power Award 2016 at a parallel event during the intersolar show in Munich, Germany for its new passivated emitter rear contact (PERC) back-side tabbing paste. The award, which is voted on by industry peers, highlights Heraeus' long-standing track record of innovation in PERC-solar cell technology by delivering higher cell efficiencies and improved long-term reliability.

Heraeus' winning product, the SOL326 Series, is a low-activity PERC back-side silver tabbing paste for mono- and multicrystalline solar cell wafers. The paste is based on a unique glass chemistry, exclusively developed and produced by Heraeus. The glass formulation imparts a controlled reaction between the Ag paste and the dielectric layer to maintain the passivation layer under the metallized area while, at the same time, showing improved cell efficiencies of over 20%. Additionally the SOL326 series features enhanced solderability and higher adhesion thus increasing the long-term reliability of PERC-solar cells. The SOL326 series is part of Heraeus PERC-package, which also includes the SOL9631 series, a low-temperature front-side paste which reduces light-introduced-degradation (LID) loss to be similar as a normal P-type module.

"Photovoltaics will become the most efficient way to produce energy in the future. We predict levelized costs of electricity to be reduced by 50% in the next five years", said Andreas Liebheit, President of Heraeus Photovoltaics. "Heraeus already today contributes strongly to this vision by delivering the most efficient silver pastes in the PV industry," he added

The Solar + Power Awards are in their 8th year and recognize innovative manufacturing and product approaches along the entire PV value chain. There are 15 award categories with Heraeus being this year's winner in the PV Materials Enabling category. More than 7,500 PV industry professionals were asked to vote for companies in each category.

#### **About Heraeus**

Heraeus Photovoltaics is the industry leading developer and manufacturer of silver metallization pastes for the photovoltaic industry. Heraeus, the technology group headquartered in Hanau, Germany, is a leading international family-owned company formed in 1851. Among other products, it offers a wide range of solutions for the renewable energy industry. From optimized power electronic modules, efficiency boosting additives for energy storage up to solutions for hydrogen productions. In the 2015 financial year, Heraeus generated revenues without precious metals of €1.9 bn and a total revenue of €12.9 bn. With approximately 12,500 employees worldwide in more than 100 subsidiaries in 38 countries, Heraeus holds a leading position in its global markets.

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