

BSP-112 emergency cost saver from Monocrystal

New rear side silver conductor with less Ag content will be showcased at 26th EU PVSEC

Stavropol, Russia, September 1, 2011 – Monocrystal, a leading manufacturer of electronic materials for LED and solar industries, today announced the launch of new cost effective BSP series pastes for rear metallization of crystalline solar cells.

Escalating Ag prices have made silver metallization one of the major contributors to the total cost of crystalline silicon solar cell. In order to meet urgent market requirements, Monocrystal introduced new silver-based tabbing pastes of BSP series. Last year developed BSP-101 and BSP-102 have silver content 23% less in comparison with previous generation PPAS-7-1 back side silver metallization and more then 30% lower material consumption per wafer. This year the research efforts have resulted in additional 20% reduction of silver content and 10% drop of paste laydown for new BSP-111 and BSP-112. Combination of these 2 factors makes this product a definite market leader in terms of costs of ownership and ability to deliver high product performance.

“Careful optimization of paste formula have allowed maintaining high electrical performance in combination with excellent solderability and adhesion towards both mono- and multicrystalline silicon wafers and significant decrease of silver needed to produce the same wattage of solar cells”, noted Dr. Valery Mikhitarian, Technical Director of Thick Film Materials Department at Monocrystal. “Moreover, at our customers’ sites tests with several reference silver tabbing materials available in the market BSP-111 and BSP-112 demonstrated additional gain in cell efficiency”.

“With these new generation paste formulations Monocrystal stands out as an emergency cost saver allowing its customers to lower the cost of ownership for solar cells even with the silver price continue rising in the current volatile market environment”, add Mikhail Berest, Sales and Marketing Director at Monocrystal.

BSP-111 and BSP-112 will be officially launched at 26th EU PVSEC in Hamburg and can be directly ordered from the company. Pastes are fully compatible with Monocrystal’s screen printed aluminum BSF-materials and the most of front contact silver metallization products, available in the market.

About Monocrystal

Monocrystal is a leading supplier of sapphire products for LED and metallization pastes for solar industry. The company’s product portfolio includes large diameter sapphire substrates for LED and RFIC applications and screen printing pastes for silicon wafer based solar cells, including lead-free pastes. The company exports more than 95% percent of its products to more than 25 countries worldwide. For more information visit www.monocrystal.com

Press contact: Monocrystal
Ludmila Zubova
Phone/Fax: +7 8652 95 67 15
Email: zubova@monocrystal.com