

## Monocrystal introduces new PERC aluminum paste specially designated for a dot laser pattern

**Stavropol, Russia, February 15, 2017 –** Monocrystal, a leading global supplier of PV metallization pastes and synthetic sapphire, today announced the launch of its new EFX-9X series aluminum metallization paste for Passivated Emitter Rear Contact (PERC) solar cells, specially designed for a dot laser pattern.

New optimized paste content does not damage a passivation layer, and brings up to 17% higher local contact efficiency, compared to our previous EFX-series pastes. This results in overall cell efficiency gain up to 0.1%. Furthermore, the new product provides 30% lower consumption as compared to the market average, while maintaining high conductivity of an aluminum layer. EFX-9X series is an advanced solution for a dot laser pattern delivering our customers an excellent PERC solar cell performance.



“In the light of current market trends and the growing demand for high-efficiency solar products we are striving to provide our customers with high-end solutions, such as a dot laser pattern for PERC solar cells. We are continuously upgrading our EFX-series metallization PERC-package in order to allow our customers maximize their product efficiency and production yields”, commented Vyacheslav Golovin, CTO of Monocrystal Pastes Division.

### About Monocrystal

Monocrystal, a part of diversified industrial holding Energomera, is a leading supplier of sapphire products for LED and metallization pastes for solar industries. According to the company's estimates, in 2016 every 3rd LED and every 10th solar module worldwide was made with Monocrystal products. The company's product portfolio includes large diameter sapphire substrates and cores for LED, bricks and cores for consumer electronics, optical windows and screen printing pastes for silicon wafer solar cells. The company exports more than 98% of its products to more than 25 countries worldwide. For more information, please visit <http://www.monocrystal.com/>

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