

EFFICIENCY

Photovoltaic Metallizations

NEW **New DuPont™ Solamet® PV76x Front Side Silver Paste Enabling High-Efficiency Passivated Emitter Rear Cell (PERC)**

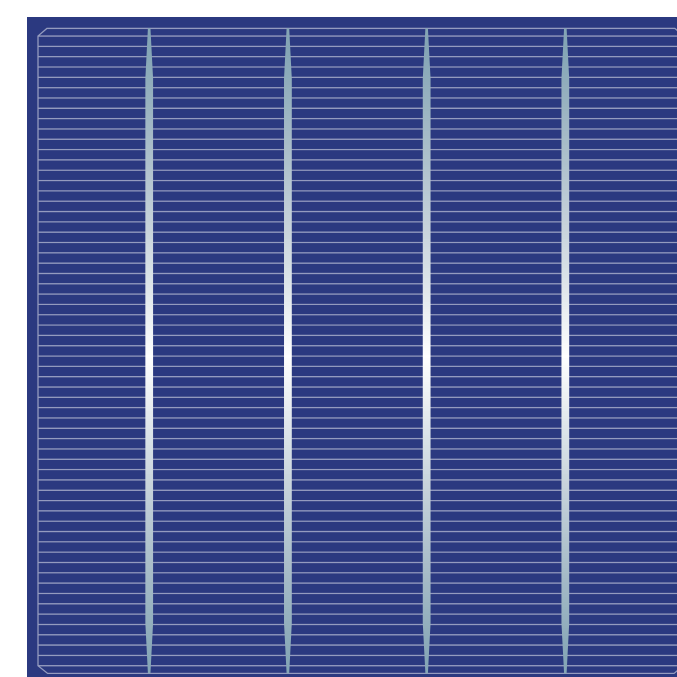
- Superior contact to enhanced LDEs and high RSheet emitters (Mono & Multi) at significantly lower firing temperatures
- Proprietary Tellurium technology further reduces surface recombination losses and junction damage and lowers contact resistance
- Gains exceeding 0.15% efficiency demonstrated in production

Latest Solartech High Efficiency Sapphire Multi-Crystalline PERC Solar Cell:

Efficiency	19.65%
Voc	656.6mV
Jsc	37.41mA/cm²
FF	80.02%

DuPont™ Solamet® Integrated Metallization Solutions for PERC

(Solamet® PV76x, PV56x, PV36x)



Data and Image Courtesy of Solartech Corp.

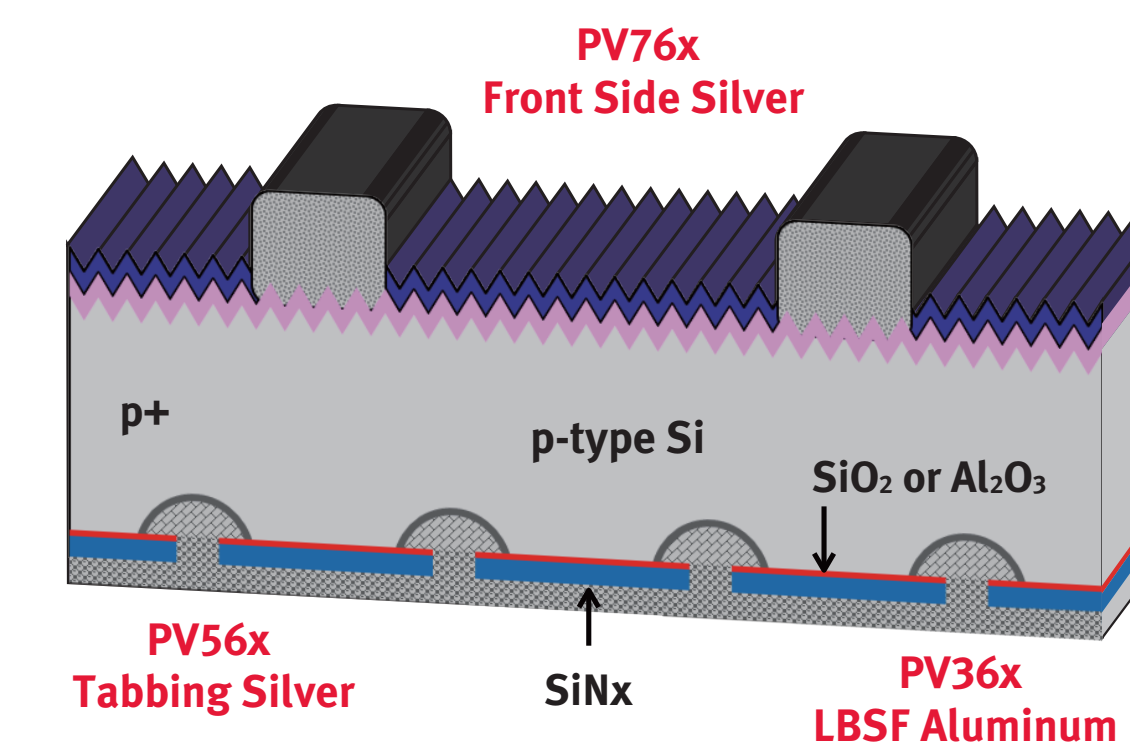
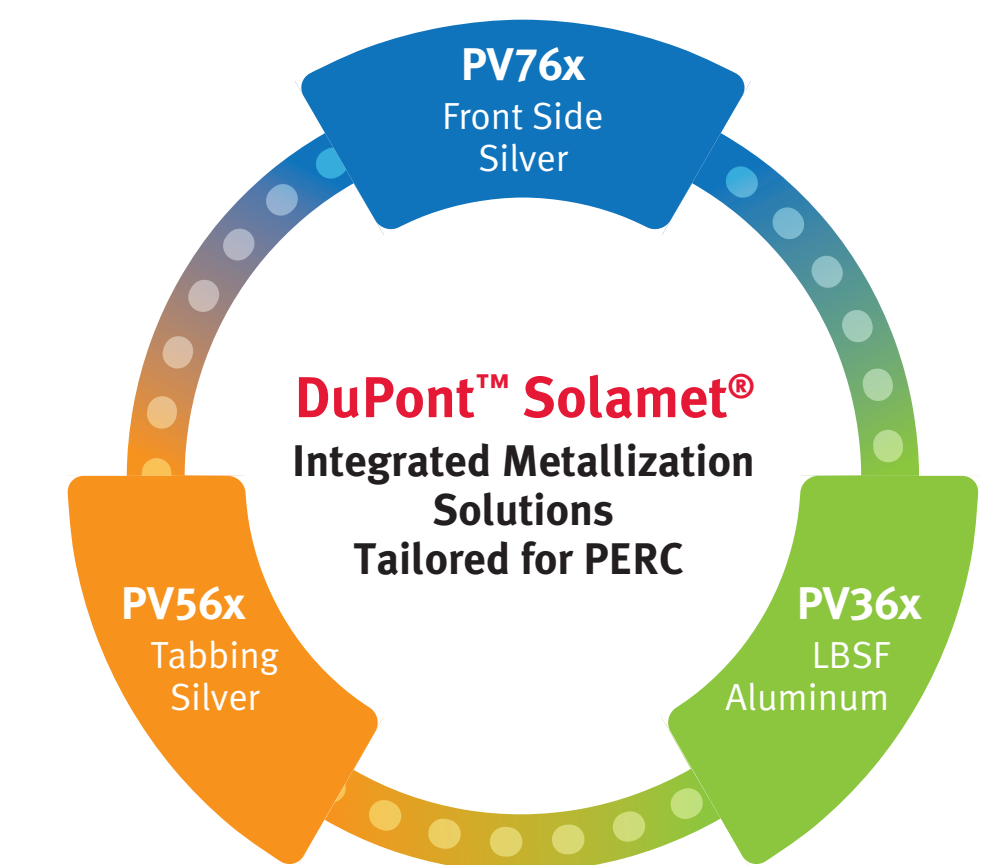
DuPont™ Solamet® Integrated Metallization Solutions for PERC

Designed to work synergistically to maximize PERC efficiencies

- Improved Voc from minimized surface recombination without trade-off in fill factor (FF) at lower firing temperatures
- Improved open circuit voltage (Voc) from minimized paste induced rear passivation damage
- Better short circuit current (Jsc) from improved fine line capability
- Good back surface field (BSF) formation on localized contact

Provides proven module reliability

- Demonstrated strong adhesion to passivation layers
- Minimized Kirkendall voids
- Reliable module performance after climate chamber test



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