

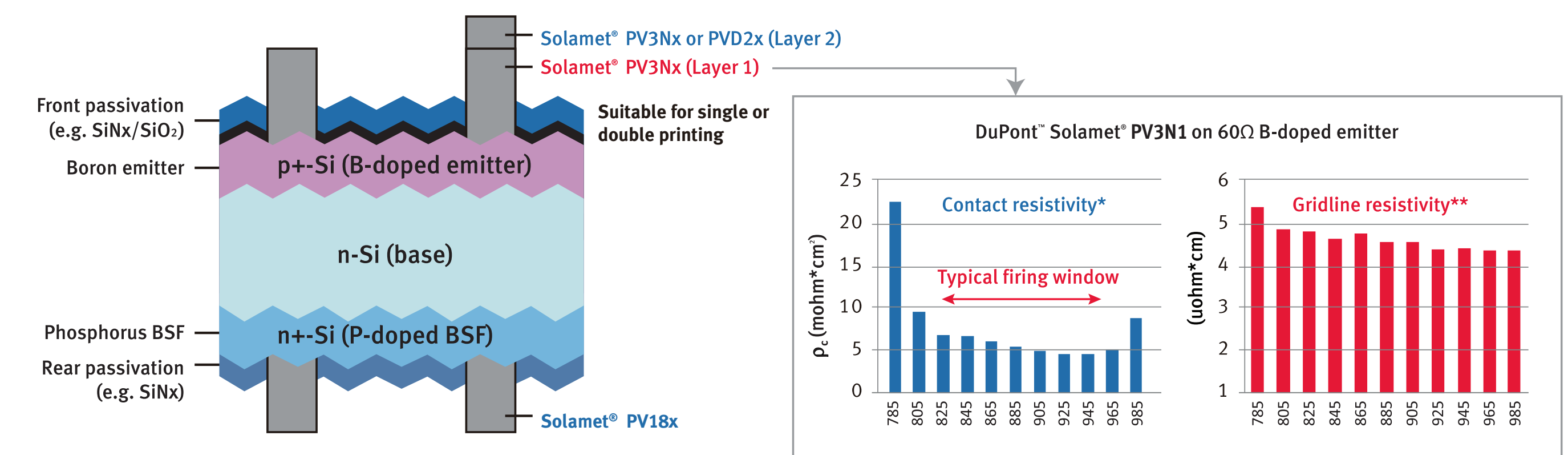
# EFFICIENCY

## Photovoltaic Metallizations

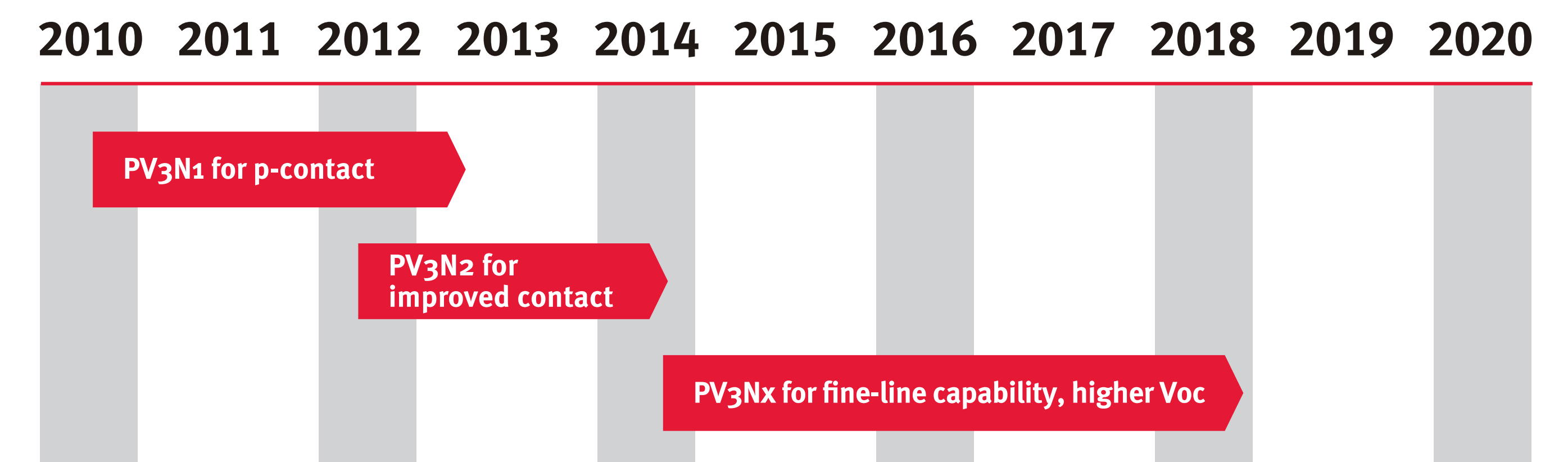
### DuPont™ Solamet® PV3Nx Silver/Aluminum Paste for N-type Cell On Target to Help Boost Cell Efficiency to 22% in 2015

- Fine line printability for grid lines with screen printing
- Fire-through passivation layer
- Better contact on B-doped emitter, enabling a broader diffusion process window and low contact resistivity
- Proven technology on double-print design; Flexibility in metallization process selection
- Low gridline resistivity (high conductivity)
- Co-fireable with rear side contacts
- Good solderability and adhesion
- Made without Cadmium
- Proven in use - Yingli Solar Panda Series high power module

### DuPont™ Solamet® Complete Metallization Package for N-type Cell Enabling Higher Efficiency



### DuPont™ Solamet® Product Generation Road Map for N-type Cell



\* Measured by TLM.

\*\* ρ<sub>g</sub> measured on fired-through contacts. Apparent value calculated assuming uniform line width and heights. Cross-sectional areas of fired gridlines measured using confocal microscope.