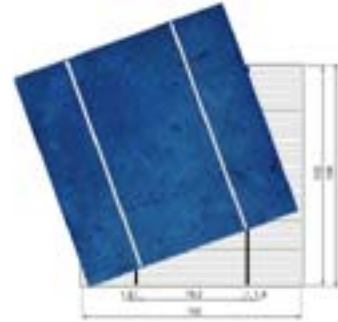
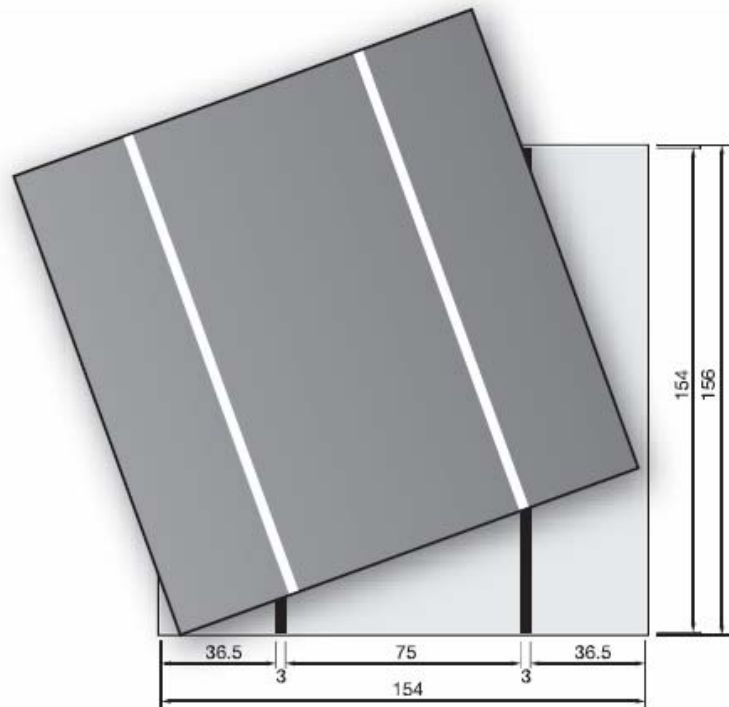
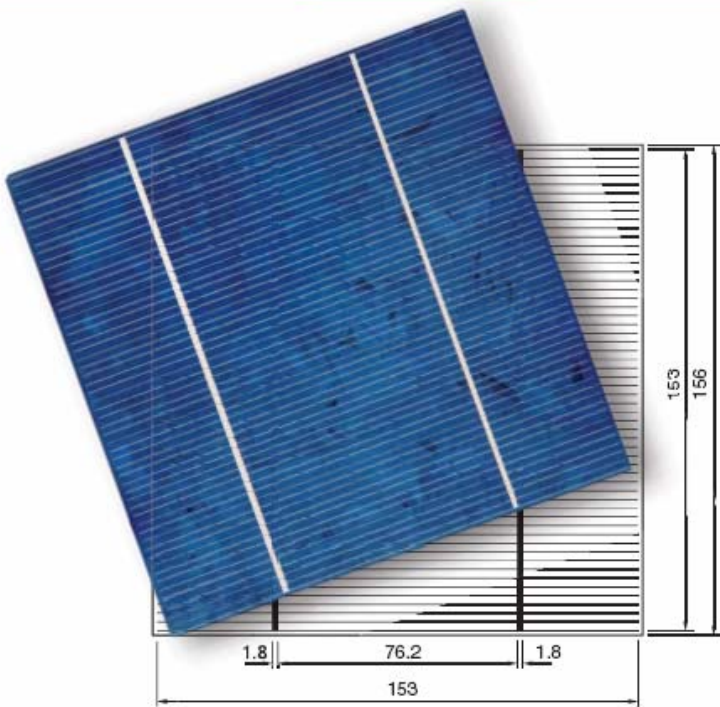


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**Polycrystalline Silicon  
Photovoltaic Solar Cell  
156 x 156mm (6")**



**Polycrystalline silicon solar cells**

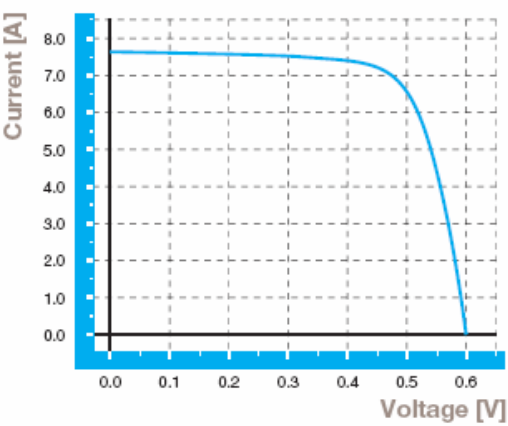


**Crystalline Silicon Solar Cells**

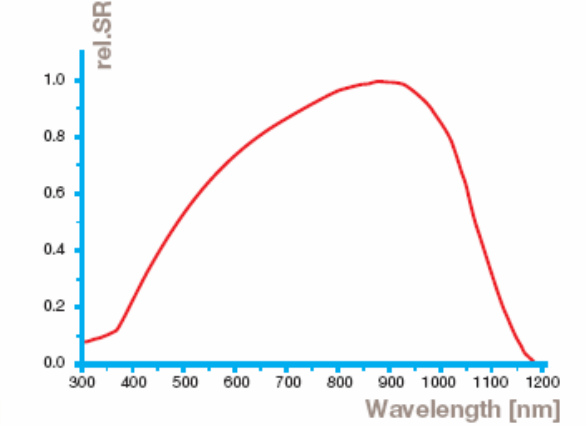
- High efficiency and stable performance in photovoltaic conversion.
- Advanced diffusion technique ensuring the homogeneity of energy conversion efficiency of the cell.
- Advanced PECVD film forming, providing a dark blue silicon nitride anti-reflection film of homogenous color and attractive appearance.
- High quality metal paste for back surface and electrode, ensuring good conductivity, high pulling strength and ease of soldering.
- High precision patterning using screen printing, ensuring accurate busbar location for ease with automatic soldering a laser cutting.

MECHANICAL DATA AND DESIGN		Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
Format	156mm×156mm±0.5mm	16.25-16.50	3.99	0.512	7.792	0.618	8.308	77.68
Thickness	190μm±20μm	16.00-16.25	3.92	0.510	7.681	0.616	8.204	77.50
		15.75-16.00	3.86	0.507	7.600	0.614	8.099	77.50
Front(-)	1.8mm bus bars(silver), blue anti-reflecting coating(silicon nitride)	15.50-15.75	3.80	0.505	7.526	0.611	8.059	77.23
Back(+)	3mm wide soldering pads(silver) back surface field(aluminum)	15.25-15.50	3.74	0.501	7.480	0.610	8.010	76.65
		15.00-15.25	3.68	0.497	7.404	0.608	7.933	76.21
		14.75-15.00	3.62	0.494	7.327	0.606	7.855	76.01
TkVoltage	-0.351%/K	14.50-14.75	3.56	0.491	7.249	0.604	7.786	75.72
TkCurrent	+0.035%/K	14.25-14.50	3.50	0.488	7.172	0.602	7.721	75.30
TkPower	-0.47%/K	14.00-14.25	3.44	0.486	7.076	0.602	7.631	74.87

### IV CURVE



### SPECTRAL RESPONSE



### INTENSITY DEPENDENCE

Intensity [W/m <sup>2</sup> ]	Isc* [mA]	Voc* [mV]
1000	1.0	1.000
900	0.9	0.996
500	0.5	0.968
300	0.3	0.943
200	0.2	0.922

\*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m<sup>2</sup>

