

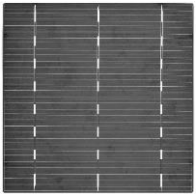
SOLAR CELL

Multi-crystalline Si Solar Cell P6M



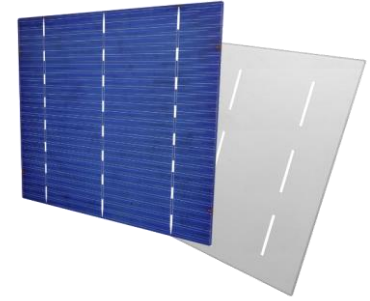
Features

- High conversion efficiencies resulting in superior in power output performance
- Advanced PECVD film forming, providing a dark blue silicon nitride anti-reflection film of homogenous color and attractive appearance
- Optimized design for ease of soldering and lamination color



Quality

- High quality metal paste for back surface and electrode, ensuring good conductivity, high pulling strength and ease of soldering
- All products passed in-line optical inspection
- 100% inspected for shunt resistance and reverse current
- Good color uniformity
- Standard cells calibrated by Fraunhofer ISE



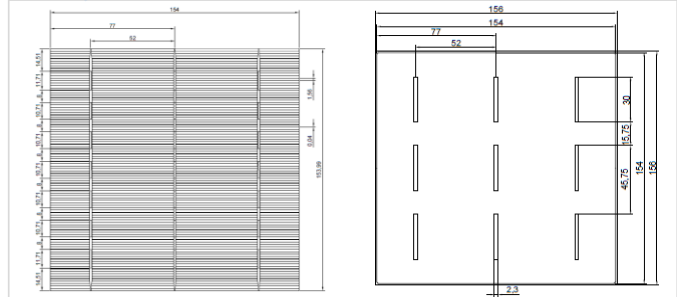
Electrical Characteristics

Eff.(%)	18.30	18.20	18.10	18.00	17.90	17.80	17.70	17.60
Pmpp(W)	4.453	4.429	4.405	4.380	4.356	4.332	4.307	4.283
Vmpp(V)	0.537	0.535	0.534	0.532	0.531	0.529	0.528	0.527
Imp(A)	8.293	8.279	8.249	8.234	8.204	8.189	8.158	8.127
Voc(V)	0.635	0.634	0.633	0.633	0.631	0.630	0.629	0.628
Isc(A)	8.869	8.793	8.773	8.742	8.749	8.728	8.710	8.690
FF(%)	79.51	79.45	79.32	79.16	78.91	78.78	78.62	78.48

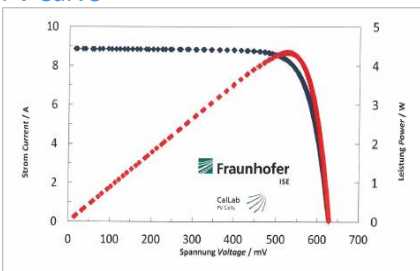
Physical Characteristics

Dimension	156 x 156±0.5 mm
Thickness	200±30µm
	180±30µm
Base	p-type multicrystalline Silicon wafer
Junction	Phosphorus diffused N on P
Front	Blue SiNx AR-Coatings
	1.4 mm Silver Bus-bar
Back	2.3mm Silver Dot Pad
	Aluminum BSF Field

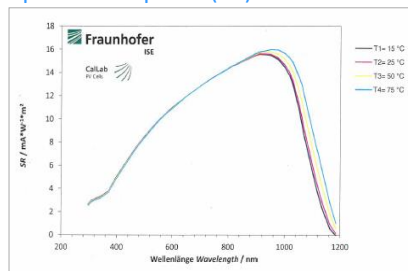
Cell Layout



I-V Curve



Spectral Response(SR)



Temperature Co-efficient[%/°C]

	15~75°C
Isc	-0.049%/°C
Voc	0.303%/°C
FF	0.119%/°C
Power	0.38%/°C

Package Typical package for one carton 1,200 cells. The cells are sealed in cell box every 120 pcs. Gross weight per unit carton shall be around 15.2kg