

# M6PSF7

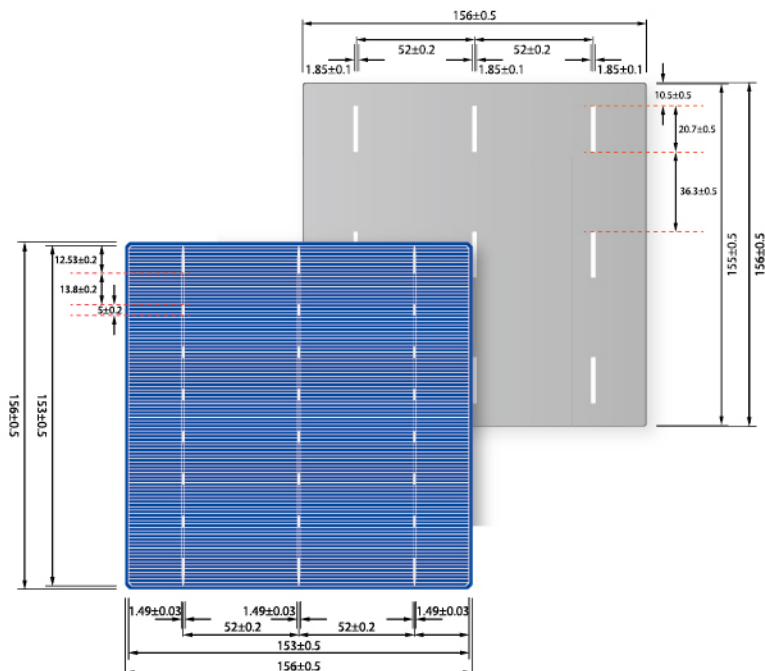
Multicrystalline Silicon Solar Cells

3BB and 4BB cell appearance are available based on customers' demand.



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## TEMPERATURE COEFFICIENTS

Voc.Temp.coef.%/K	-0.333%/K
Isc.Temp.coef.%/K	+0.049%/K
Pm.Temp.coef.%/K	-0.42%/K

## INTENSITY DEPENDENCE

Intensity[W/m <sup>2</sup> ]	Isc*[mA]	Voc*[mV]
1000	1.00	1.000
900	0.90	0.989
500	0.50	0.963
300	0.30	0.939
200	0.20	0.920

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

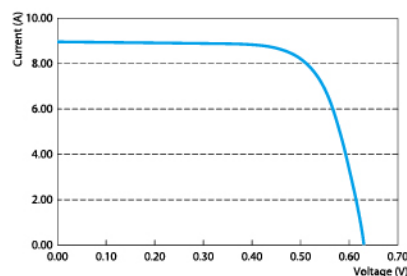
## MECHANICAL DATA AND DESIGN

Format	156mmx156mm±0.5mm
Thickness(Wafer)	180μm±20μm and 200μm±20μm
Front(-)	1.49mm bus bars (silver), blue anti-reflection coating (silicon nitride)
Back(+)	1.85mm wide segment soldering pads (silver), back surface field (aluminium)

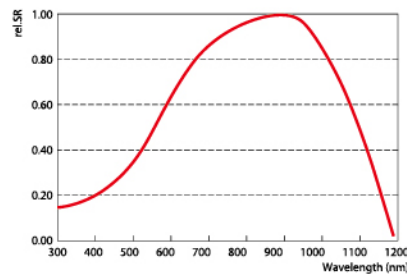
## ELECTRICAL PARAMETERS

Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
18.40-18.50	4.48	0.538	8.327	0.636	8.863	79.48
18.30-18.40	4.45	0.536	8.303	0.635	8.837	79.31
18.20-18.30	4.43	0.535	8.281	0.634	8.817	79.25
18.10-18.20	4.40	0.534	8.241	0.633	8.785	79.14
18.00-18.10	4.38	0.533	8.218	0.632	8.764	79.08
17.90-18.00	4.36	0.531	8.208	0.631	8.751	78.96
17.80-17.90	4.33	0.530	8.170	0.630	8.721	78.81
17.70-17.80	4.31	0.529	8.148	0.629	8.707	78.70
17.60-17.70	4.28	0.528	8.107	0.628	8.674	78.58
17.50-17.60	4.26	0.527	8.084	0.627	8.660	78.46
17.40-17.50	4.23	0.525	8.058	0.625	8.633	78.40

## IV CURVE



## SPECTRAL RESPONSE



Calibrated under AM 1.5 global SPC in Fraunhofer ISE.