

M6PWF1

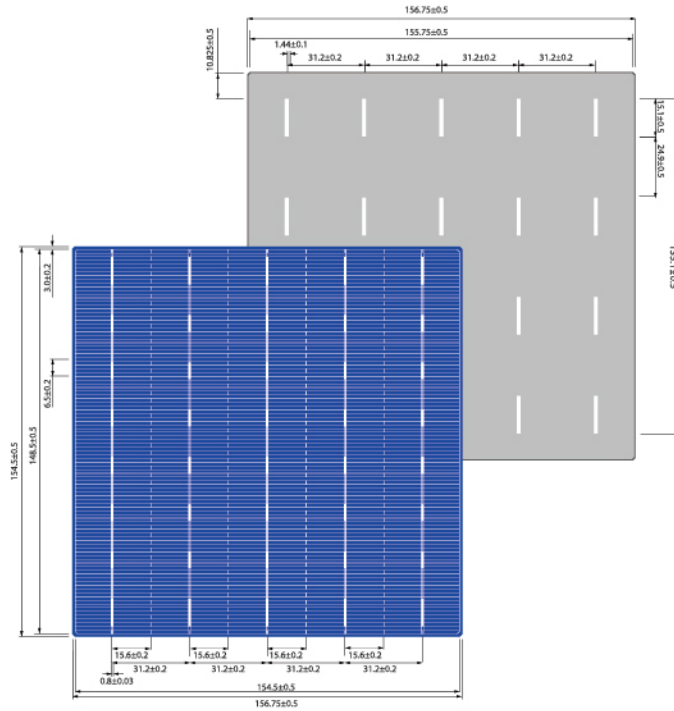
Shine Multicrystalline Silicon Solar Cells

5BB cell appearance is 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 ²]	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/m²

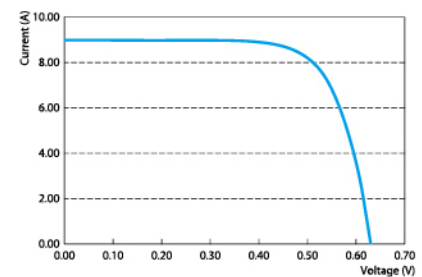
MECHANICAL DATA AND DESIGN

Format	156.75mm×156.75mm±0.5mm
Thickness(Wafer)	180μm±20μm and 200μm±20μm
Front(-)	0.80mm bus bars (silver), blue anti-reflection coating (silicon nitride)
Back(+)	1.44mm wide segment soldering pads (silver), back surface field (aluminium)

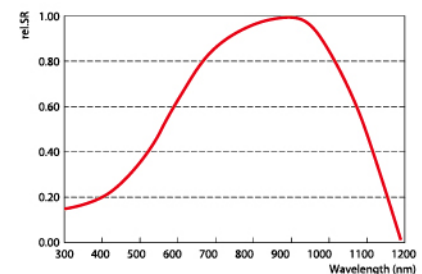
ELECTRICAL PARAMETERS

Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
18.90-19.00	4.65w	0.544	8.559	0.639	9.072	80.27
18.80-18.90	4.62w	0.543	8.528	0.638	9.052	80.19
18.70-18.80	4.60w	0.541	8.519	0.637	9.033	80.12
18.60-18.70	4.57w	0.540	8.499	0.636	9.011	80.06
18.50-18.60	4.55w	0.538	8.476	0.635	8.988	80.02
18.40-18.50	4.53w	0.537	8.451	0.633	8.964	79.97
18.30-18.40	4.50w	0.536	8.426	0.632	8.939	79.90
18.20-18.30	4.48w	0.535	8.400	0.631	8.913	79.86
18.10-18.20	4.45w	0.534	8.371	0.630	8.885	79.82
18.00-18.10	4.43w	0.532	8.350	0.629	8.866	79.69
18.10-18.20	4.40w	0.531	8.320	0.629	8.848	79.46

IV CURVE



SPECTRAL RESPONSE



Calibrated under AM 1.5 global SPC in Fraunhofer ISE.