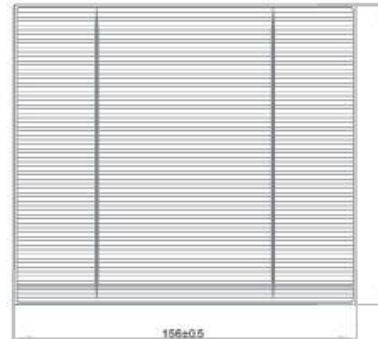
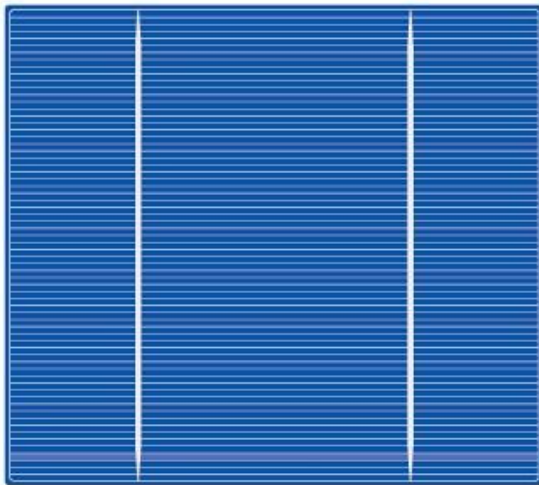


Solar Cell

156mmX140mm Multicrystalline silicon solar cell



Mechanical Data And Design

Format: 156mm X 140mm ±0.5mm

Thickness (Wafer): 180μm±20μm and 200μm±20μm

Front (-): 1.5mm bus bars(silver), blue anti-reflection coating (silicon nitride)

Back (+): 3mm wide segment soldering pads (silver), back surface field (aluminum)

Temperature Coefficients

Voc.Temp.coef.%/K: -0.333%/K

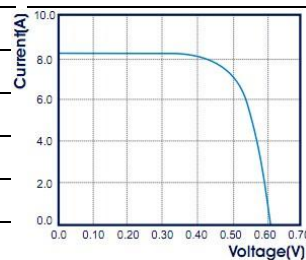
Isc.Temp.coef.%/K: 0.049%/K

Pm.Temp.coef.%/K: -0.42%/K

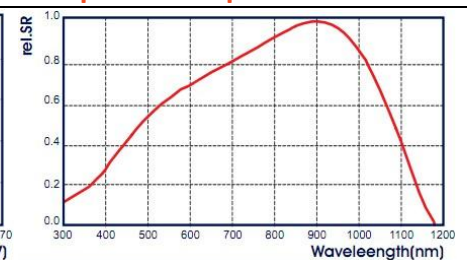
Intensity Dependence

Intensity[w/m ²]	Isc ^x [mA]	Voc ^x [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

IV Curve



Spectral Response



Electrical Characteristics

Pmpp (W)	Umpp(mV)	Impp(A)	Uoc(mV)	Isc(A)
4	527	7.6	623	8.113
3.95	527	7.495	623	7.989
3.9	524	7.443	621	7.91
3.85	524	7.347	621	7.808
3.8	521	7.294	621	7.751
3.75	521	7.198	618	7.649
3.7	518	7.143	615	7.591
3.65	515	7.087	610	7.532
3.6	510	7.059	610	7.502
3.55	508	6.988	610	7.427
3.5	508	6.89	608	7.324
3.45	505	6.832	608	7.26
3.4	498	6.81	600	7.22