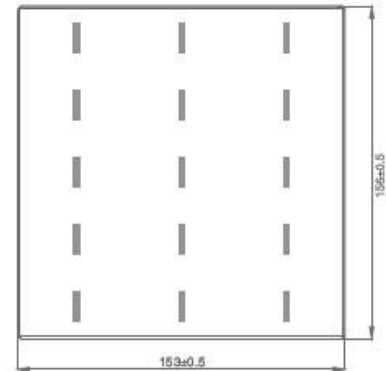
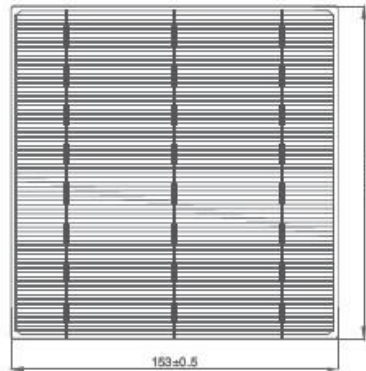
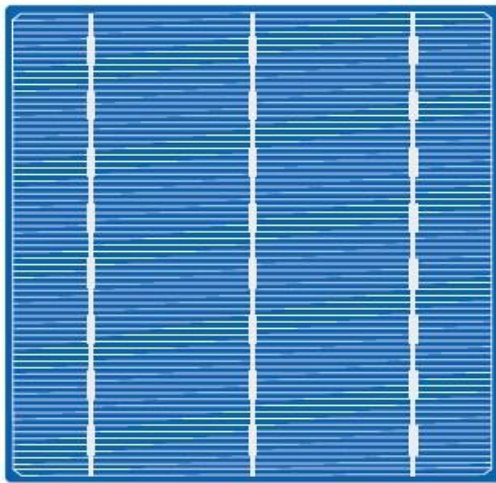


Solar Cell

153mmX156mm Multicrystalline silicon solar cell



Mechanical Data And Design

Format: M Type 156mm X 153mm ±0.5mm / N Type 153mm X 156mm ±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)

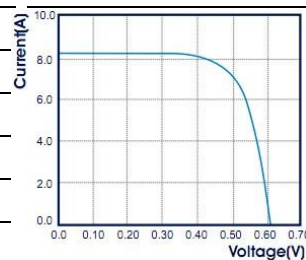
Temperature Coefficients

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

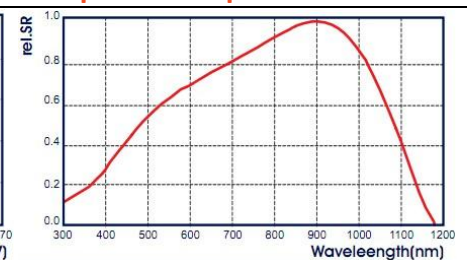
Intensity Dependence

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)
4.25	533	7.97	633	8.47
4.15	531	7.815	631	8.305
4.1	529	7.75	628	8.239
4.05	528	7.67	627	8.219
4	527	7.59	627	8.062
3.95	524	7.538	625	7.987
3.9	522	7.471	623	7.959
3.85	520	7.308	621	7.875
3.8	520	7.308	621	7.784
3.75	519	7.22	620	7.72
3.7	517	7.157	617	7.564
3.65	515	7.087	615	7.472
3.6	513	7.018	612	7.434
3.55	510	6.961	610	7.376
3.5	508	6.89	608	7.324