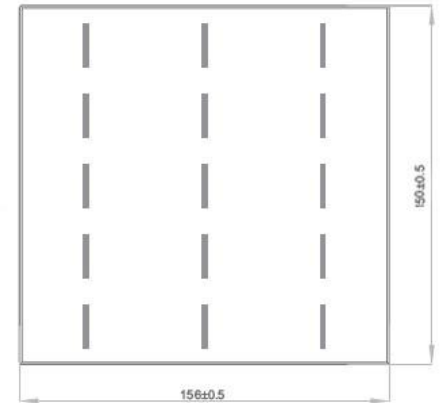
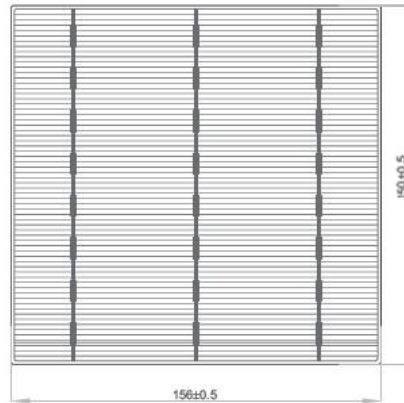
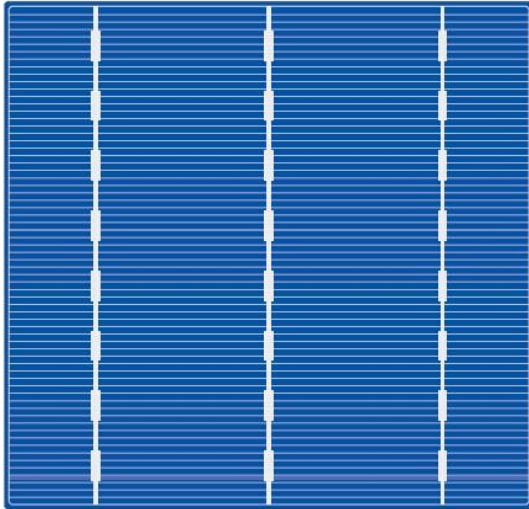


# Solar Cell

156mmX150mm Multicrystalline silicon solar cell



## Mechanical Data And Design

Format: 156mm X 150mm ±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

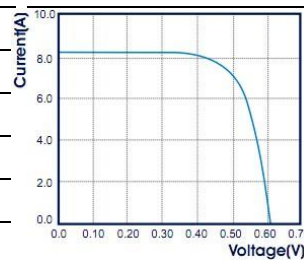
Isc.Temp.coef.%/K: 0.049%/K

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

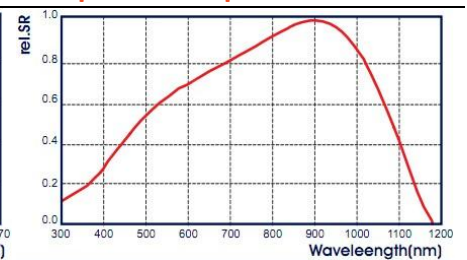
## Intensity Dependence

Intensity[w/m <sup>2</sup> ]	Isc <sup>x</sup> [mA]	Voc <sup>x</sup> [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)
4.15	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	7.404	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