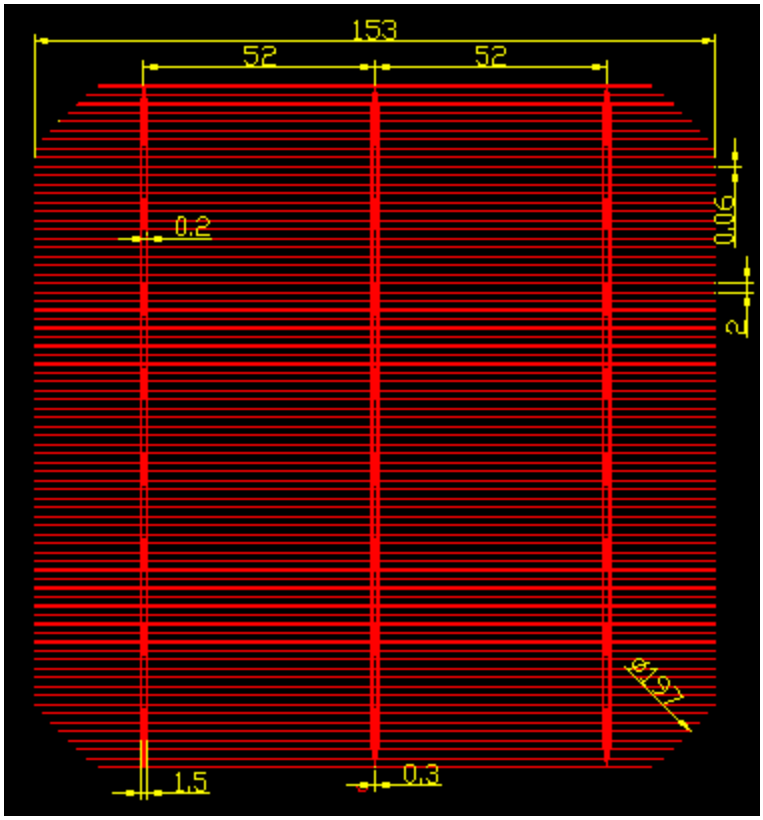
156S (R200) Product Specification



Monocrystalline Solar Cells

Model：156S

Dimension：156×156 ㎜±0.5mm(side to side) 200mm(corner to corner)

Width of main grid：1.5mm

Width of side grid：60 μm

Thickness of solar cell：220 μm ±30 μm

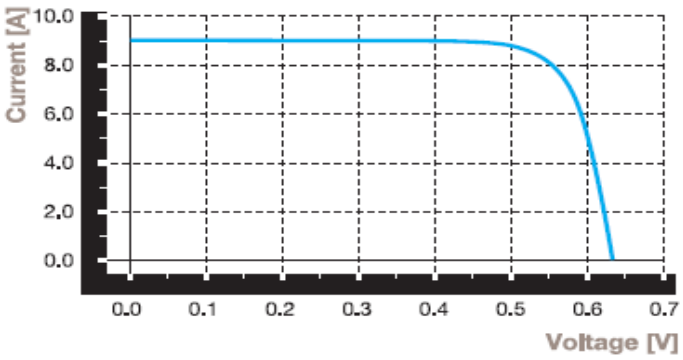
Model	Pm(W)	Eff(%)	Vm(V)	Im(A)	Voc(U)	Isc(A)	FF(%)
1	4.10	17.2%	0.525	7.817	0.626	8.543	76.7
2	4.15	17.4%	0.527	7.875	0.627	8.574	77.2
3	4.20	17.6%	0.527	7.969	0.627	8.643	77.5
4	4.25	17.8%	0.529	8.034	0.628	8.665	78.1
5	4.30	18.0%	0.53	8.113	0.629	8.709	78.5
6	4.35	18.2%	0.53	8.208	0.63	8.741	79
7	4.40	18.4%	0.532	8.271	0.631	8.807	79.2
8	4.45	18.6%	0.534	8.332	0.633	8.853	79.4

Temperature Coefficient of Solar Cell：

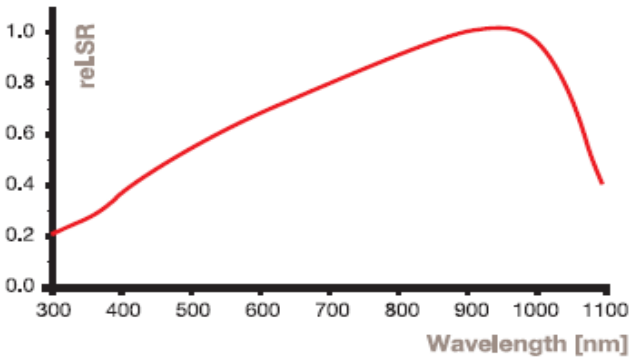
Short circuit temperature coefficient a=+0.033%/k Open voltage temperature coefficient b=-0.241%/k

Max power temperature coefficient r=-0.37%/k

IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m²]	Isc*	Voc*	Pmpp
1000	1.00	1.00	1.00
900	0.91	1.00	0.91
800	0.81	0.99	0.80
500	0.51	0.97	0.50
300	0.31	0.95	0.29
200	0.21	0.93	0.19

*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m^2