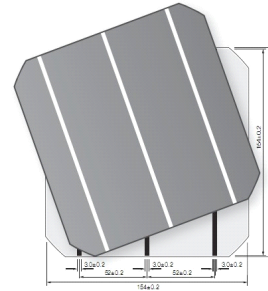
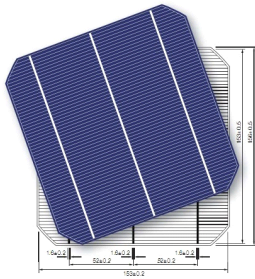


156SOX1 MONOCRYSTALLINE SILICON SOLAR CELLS



MECHANICAL DATA AND DESIGN

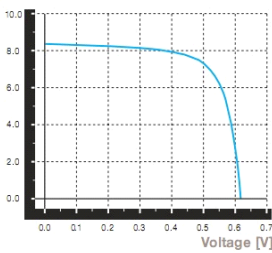
Format	156mm*156mm±0.5mm
Thickness	210um±30um
Format(-)	1.6mm bus bara(silver), blue anti-reflecting coating(silicon nitrid)
Back(+)	3mm wide soldering pads(silver),back surface field(aluminum)

TEMPERATURE COEFFICIENTS

Tk Voltage(-)	0.42%/K
Tk Current(+)	0.06%/K
Tk Power(-)	0.35%/K

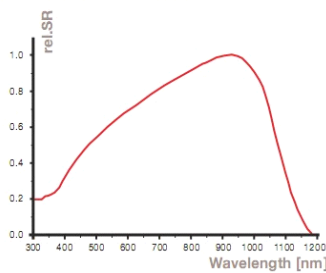
No.	Efficiency (%)	Pmpp (W)	Ump (V)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
10	18.20-18.40	4.35	0.531	8.196	0.631	8.734	78.88
09	18.00-18.20	4.3	0.527	8.153	0.628	8.715	78.59
08	17.80-18.00	4.26	0.525	8.115	0.625	8.694	78.42
07	17.60-17.80	4.21	0.522	8.059	0.62	8.682	78.18
06	17.40-17.60	4.16	0.519	8.014	0.618	8.671	77.69
05	17.20-17.40	4.11	0.517	7.953	0.616	8.667	77.04
04	17.00-17.20	4.06	0.516	7.872	0.614	8.652	76.46
03	16.80-17.00	4.02	0.514	7.825	0.613	8.641	75.92
02	16.60-16.80	3.97	0.511	7.765	0.612	8.627	75.25
01	16.00-16.60	3.9	0.508	7.677	0.611	8.6	74.17

IV CURVE



*calibrated against fraunhofer ISE freiburg

SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m²]	Isc*	Voc*
1000	1.0	1.000
900	1.0	0.994
500	0.5	0.968
300	0.3	0.946
200	0.2	0.923

*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m²