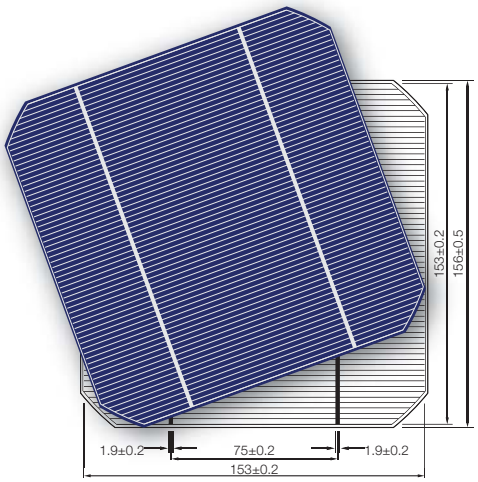
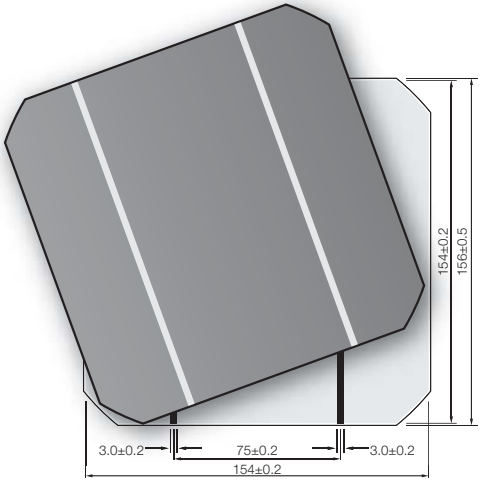
156S Mono 6"(R200)

156S0R2 (2 bus-bars) **Monocrystalline silicon solar cells**





MECHANICAL DATA AND DESIGN

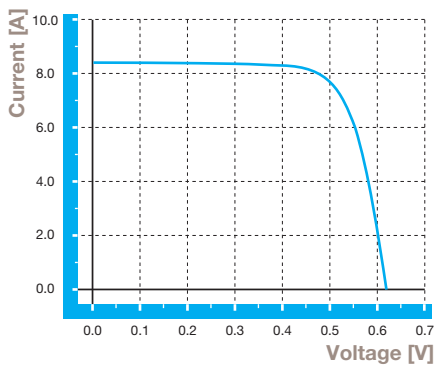
Format	156mm×156mm±0.5mm
Thickness	190μm±20μm
Front(-)	1.9mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	3mm wide soldering pads(silver) back surface field(aluminium)

TEMPERATURE COEFFICIENTS

TkVoltage	-0.346%/K
TkCurrent	+0.036%/K
TkPower	-0.47%/K

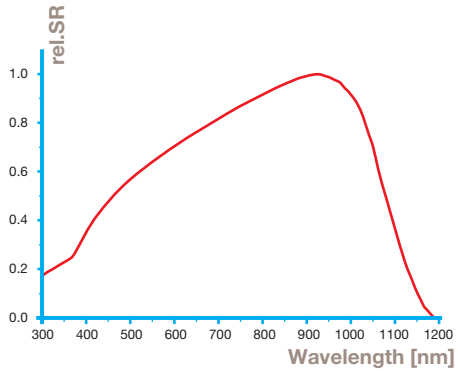
Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
17.75-18.00	4.27	0.527	8.102	0.628	8.615	78.90
17.50-17.75	4.21	0.521	8.083	0.627	8.584	78.23
17.25-17.50	4.15	0.517	8.028	0.626	8.550	77.57
17.00-17.25	4.09	0.513	7.982	0.624	8.495	77.23
16.75-17.00	4.03	0.512	7.873	0.622	8.408	77.15
16.50-16.75	3.97	0.505	7.871	0.621	8.390	76.14
16.25-16.50	3.91	0.502	7.796	0.620	8.372	75.45
16.00-16.25	3.85	0.499	7.714	0.620	8.350	75.09
15.75-16.00	3.79	0.498	7.601	0.620	8.125	75.34
15.50-15.75	3.73	0.498	7.480	0.619	8.005	75.34

IV CURVE



*calibrated against fraunhofer ISE freiburg

SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m²]	Isc* [mA]	Voc* [mV]
1000	1.0	1.000
900	0.9	0.995
500	0.5	0.966
300	0.3	0.940
200	0.2	0.919

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

Specifications subject to technical changes and final interpretation to JA Solar 02.2010

JA SOLAR

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