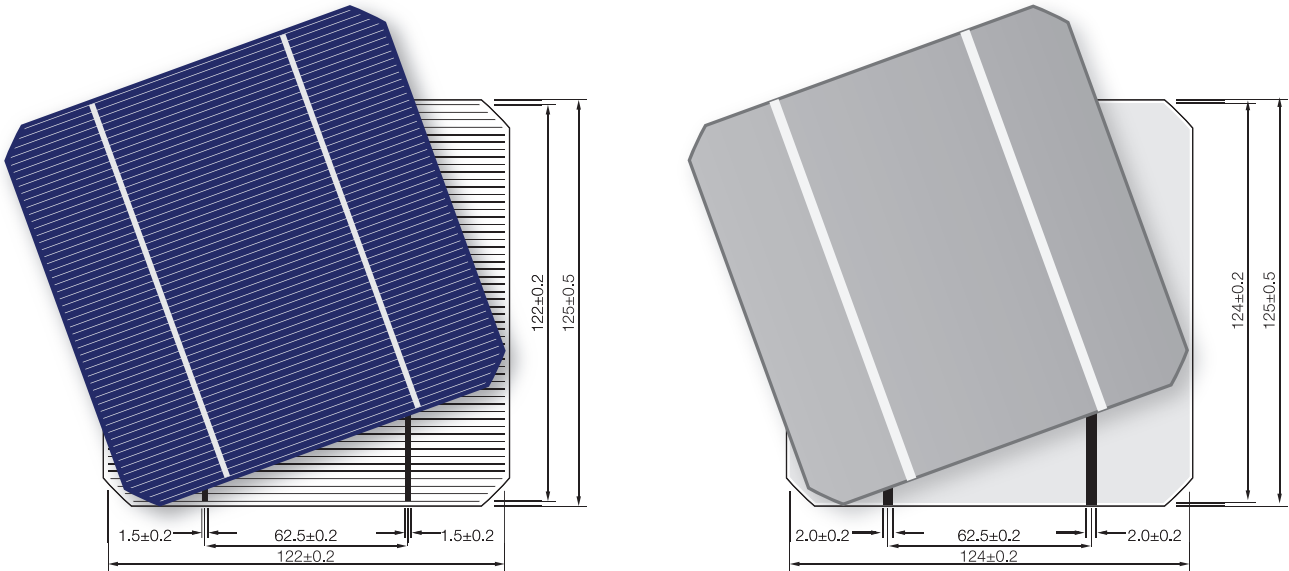


The most advantage mono product in JA Solar, which is developed for high efficiency module market.  
Manufacturing modules with more than **200W (6×12)** power output becomes easier than ever.



\* For reference only

### MECHANICAL DATA AND DESIGN

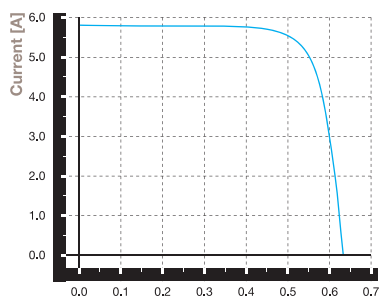
Format	125mm×125mm±0.5mm
Thickness	200μm±30μm
Front(-)	1.5mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2mm wide soldering pads(silver), back surface field(aluminum)

### TEMPERATURE COEFFICIENTS

TkVoltage	-0.241%/K
TkCurrent	+0.033%/K
TkPower	-0.37%/K

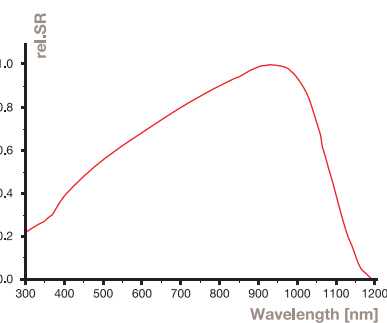
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Ipp(A)	Uoc(V)	Isc(A)	FF(%)
10	18.80-19.00	2.91	0.537	5.421	0.641	5.777	78.61
09	18.60-18.80	2.88	0.535	5.386	0.638	5.762	78.38
08	18.40-18.60	2.85	0.532	5.359	0.637	5.727	78.15
07	18.20-18.40	2.82	0.529	5.333	0.635	5.707	77.85
06	18.00-18.20	2.79	0.527	5.297	0.634	5.693	77.34
05	17.80-18.00	2.76	0.525	5.260	0.633	5.682	76.78
04	17.60-17.80	2.73	0.521	5.243	0.632	5.671	76.22
03	17.40-17.60	2.70	0.518	5.215	0.631	5.661	75.62
02	17.20-17.40	2.66	0.513	5.188	0.630	5.651	74.76
01	17.00-17.20	2.63	0.510	5.160	0.629	5.646	74.12

### IV CURVE



\*calibrated against fraunhofer ISE freiburg

### SPECTRAL RESPONSE



### INTENSITY DEPENDENCE

Intensity [W/m <sup>2</sup> ]	Isc*	Voc*
1000	1.0	1.000
900	0.9	0.994
500	0.5	0.969
300	0.3	0.946
200	0.2	0.929

\*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m<sup>2</sup>