



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

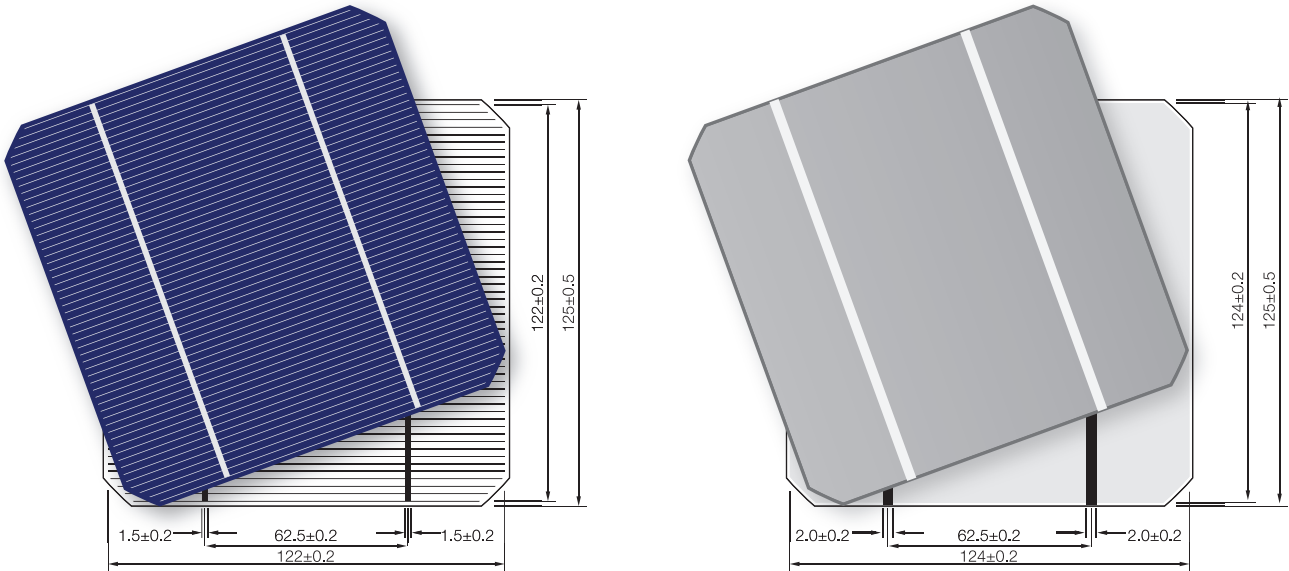
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The most advantage mono product in JA Solar, which is developed for high efficiency module market. Manufacturing modules with more than **200W (6x12)** power output becomes easier than ever.



* For reference only

MECHANICAL DATA AND DESIGN

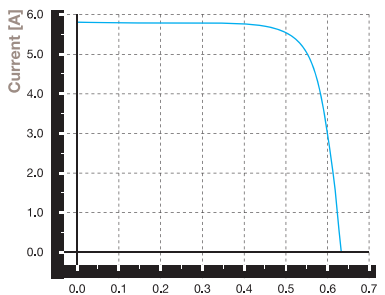
Format	125mm×125mm±0.5mm
Thickness	200μm±30μm
Front(-)	1.5mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2mm wide soldering pads(silver), back surface field(aluminum)

TEMPERATURE COEFFICIENTS

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

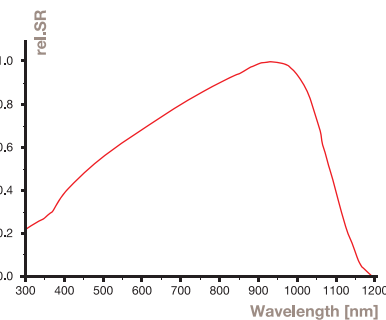
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Ipp(A)	Uoc(V)	Isc(A)	FF(%)
10	18.80-19.00	2.91	0.537	5.421	0.641	5.777	78.61
09	18.60-18.80	2.88	0.535	5.386	0.638	5.762	78.38
08	18.40-18.60	2.85	0.532	5.359	0.637	5.727	78.15
07	18.20-18.40	2.82	0.529	5.333	0.635	5.707	77.85
06	18.00-18.20	2.79	0.527	5.297	0.634	5.693	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 ²]	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/m²