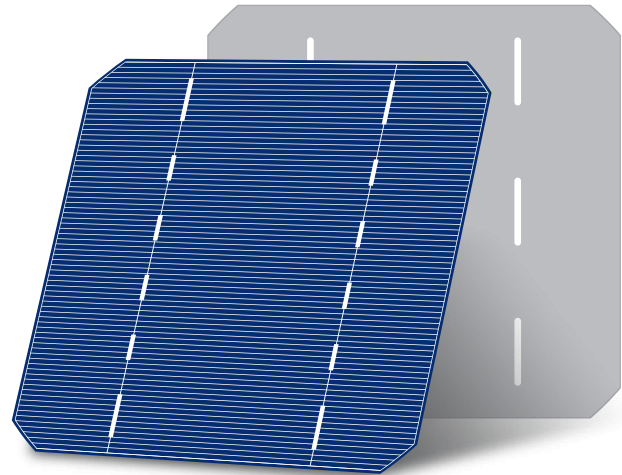


JACM5SF-2

2BB CYPRESS

MONOCRYSTALLINE SILICON SOLAR CELLS

JA Solar's High-efficiency Mono Cells. Manufacturing modules with more than **205Wp(6×12)** power output becomes easier than ever.



MECHANICAL DATA AND DESIGN

Format	125mm×125mm±0.5mm
Thickness	200µm±30µm
Front(-)	1.4mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2mm wide soldering pads(silver) back surface field(aluminum)

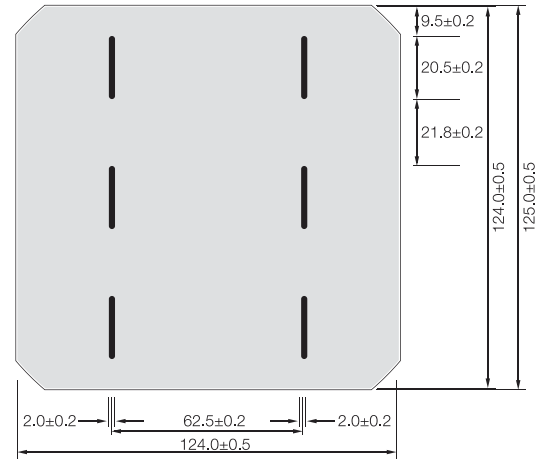
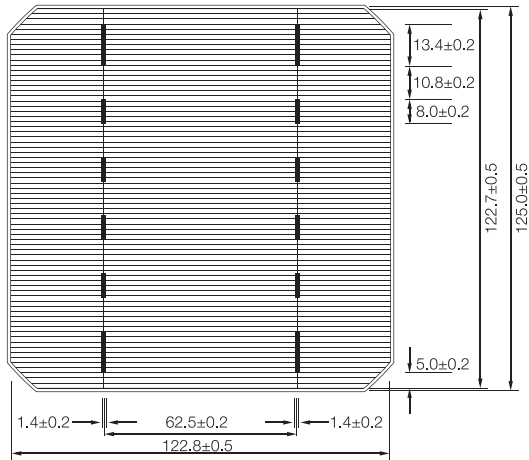
TEMPERATURE COEFFICIENTS

TkVoltage	-0.241%/K
TkCurrent	+0.033%/K
TkPower	-0.370%/K

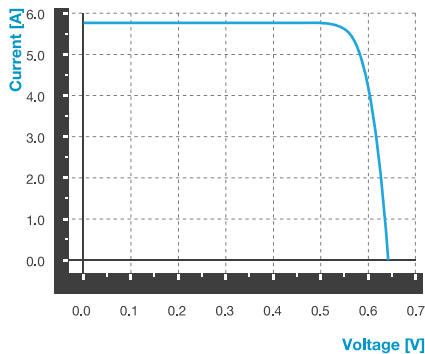
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	19.20-20.00	2.97	0.537	5.531	0.637	5.888	79.19
09	19.00-19.20	2.94	0.535	5.495	0.637	5.876	78.55
08	18.80-19.00	2.91	0.533	5.460	0.636	5.862	78.05
07	18.60-18.80	2.88	0.531	5.424	0.635	5.848	77.56
06	18.40-18.60	2.85	0.527	5.408	0.633	5.839	77.11
05	18.20-18.40	2.82	0.524	5.382	0.630	5.826	76.83
04	18.00-18.20	2.79	0.521	5.355	0.629	5.809	76.36
03	17.80-18.00	2.76	0.518	5.328	0.628	5.791	75.89
02	17.60-17.80	2.73	0.516	5.291	0.626	5.779	75.46
01	17.40-17.60	2.70	0.515	5.243	0.625	5.756	75.05

JACM5SF-2 2BB CYPRESS

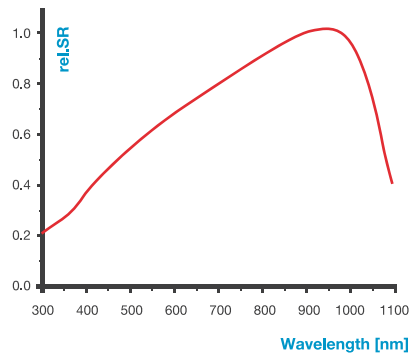
MONOCRYSTALLINE SILICON SOLAR CELLS



IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	Isc*	Voc*	Pmpp
1000	1.00	1.00	1.00
900	0.90	0.99	0.89
800	0.80	0.99	0.79
500	0.51	0.97	0.49
300	0.30	0.95	0.28
200	0.21	0.93	0.19

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