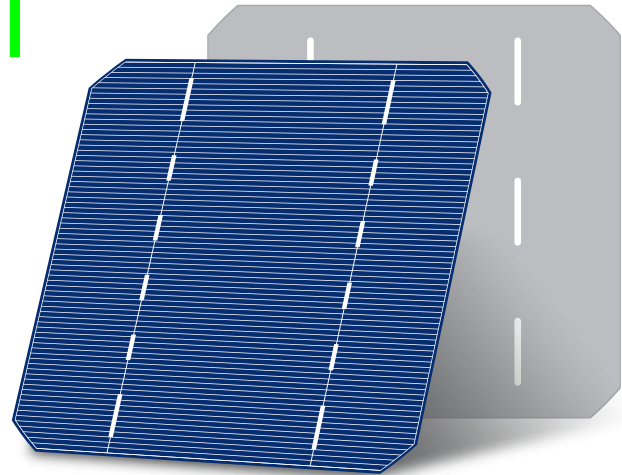


# Simax 5 inch cell

## 2BB CYPRESS

### MONOCRYSTALLINE SILICON SOLAR CELLS

Simax Solar's High-efficiency Mono Cells. Manufacturing modules with more than **205Wp(6x12)** 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

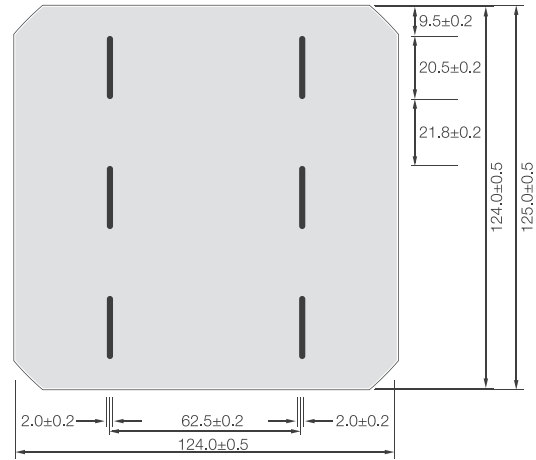
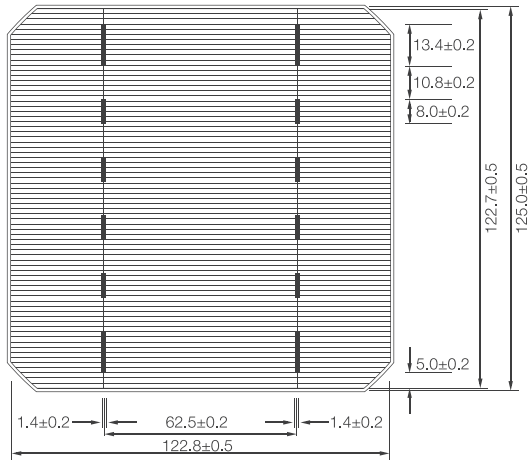
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	19.40-19.50	3.01	0.54	5.61	0.64	5.93	79.61
09	19.30-19.40	2.99	0.54	5.58	0.64	5.92	78.28
08	19.20-19.30	2.97	0.54	5.55	0.64	5.92	78.95
07	19.10-19.20	2.96	0.53	5.54	0.64	5.90	78.98
06	19.00-19.10	2.94	0.53	5.51	0.64	5.89	78.61
05	18.90-19.00	2.93	0.53	5.50	0.63	5.87	78.68
04	18.80-18.90	2.91	0.53	5.47	0.63	5.86	78.31
03	18.70-18.80	2.90	0.53	5.46	0.63	5.85	78.33
02	18.60-18.70	2.88	0.53	5.43	0.63	5.84	77.89
01	18.40-18.60	2.85	0.53	5.40	0.63	5.84	77.27

Specifications subjects to technical changes and tests. Simax Solar reserves the right of final interpretation.

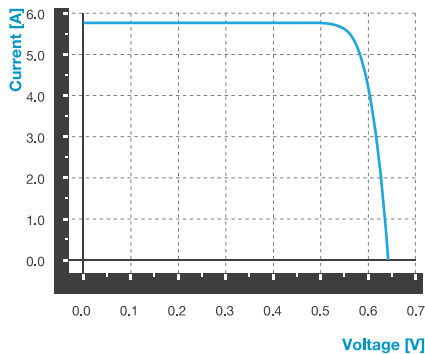
# Simax 5 inch cell

## 2BB CYPRESS

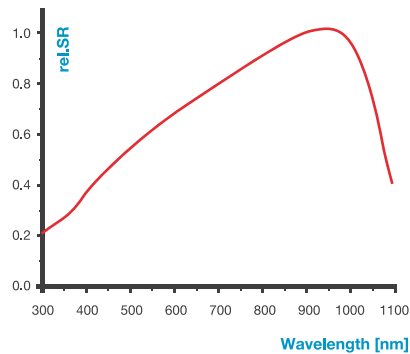
### MONOCRYSTALLINE SILICON SOLAR CELLS



#### IV CURVE



#### SPECTRAL RESPONSE



#### INTENSITY DEPENDENCE

Intensity [W/m <sup>2</sup> ]	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/m<sup>2</sup>