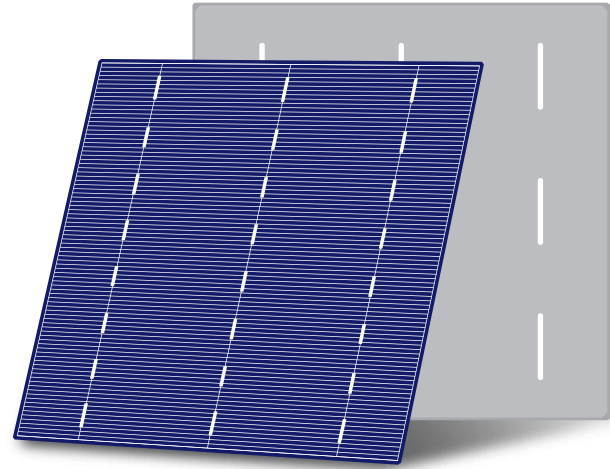


Simax 6 inch Square cell

3BB CYPRESS

MONOCRYSTALLINE SILICON SOLAR CELLS

Simax Solar's High-efficiency Mono Cells. Manufacturing modules with more than **270Wp (6×10)** and **320Wp (6×12)** power output becomes easier than ever.



MECHANICAL DATA AND DESIGN

Format	156mm×156mm±0.5mm
Thickness	210µm±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

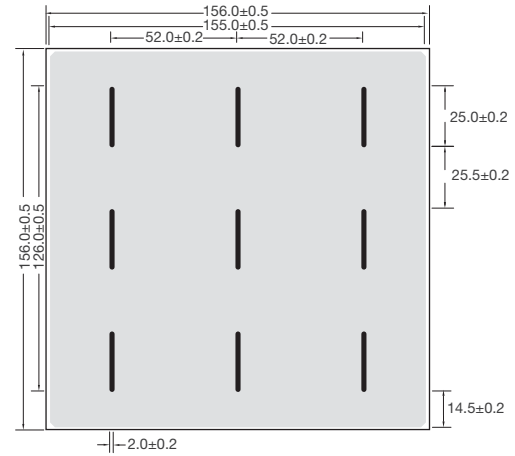
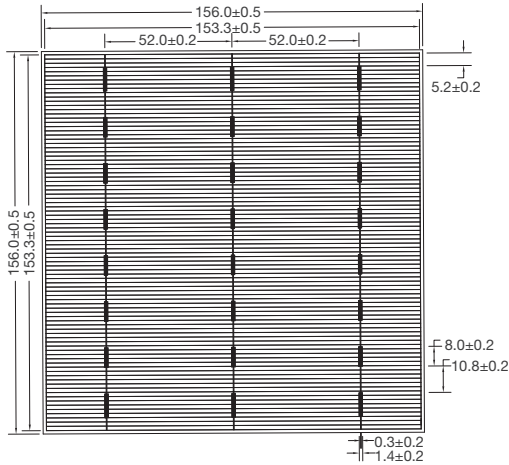
TkVoltage	-0.241%/K
TkCurrent	+0.033%/K
TkPower	-0.37%/K

No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	19.40-19.50	4.72	0.54	8.71	0.64	9.24	79.84
09	19.30-19.40	4.70	0.54	8.69	0.64	9.23	79.71
08	19.20-19.30	4.67	0.54	8.66	0.64	9.23	79.35
07	19.10-19.20	4.65	0.54	8.64	0.64	9.21	79.12
06	19.00-19.10	4.63	0.54	8.64	0.64	9.20	78.97
05	18.90-19.00	4.60	0.53	8.63	0.64	9.20	78.48
04	18.80-18.90	4.58	0.53	8.61	0.64	9.20	78.27
03	18.70-18.80	4.55	0.53	8.59	0.64	9.19	77.96
02	18.60-18.70	4.53	0.53	8.58	0.63	9.18	77.82
01	18.40-18.60	4.48	0.53	8.52	0.63	9.17	77.15

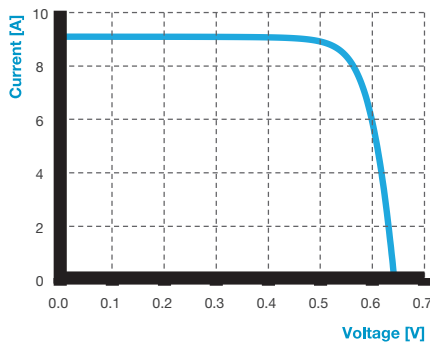
Specifications subjects to technical changes and tests. Simax Solar reserves the right of final interpretation.

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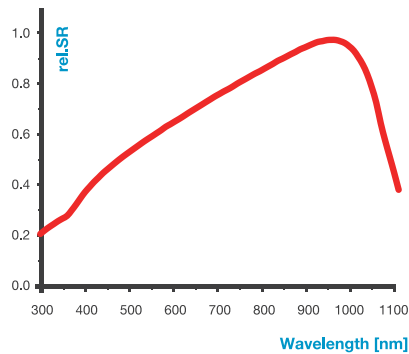
MONOCRYSTALLINE SILICON SOLAR CELLS



IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	Isc*	Voc*	Pmpp
1000	1.00	1.00	1.00
900	0.90	1.00	0.90
800	0.80	0.99	0.79
500	0.50	0.97	0.49
300	0.30	0.95	0.29
200	0.20	0.93	0.19

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