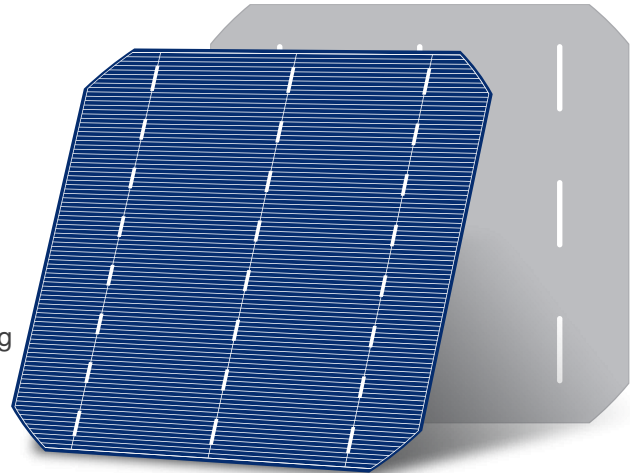


# Simax 6 inch cell

## 3BB CYPRESS

### MONOCRYSTALLINE SILICON SOLAR CELLS

Simax Solar's High-efficiency Mono Cells. Manufacturing modules with more than **260Wp(6×10)** and **305Wp(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)

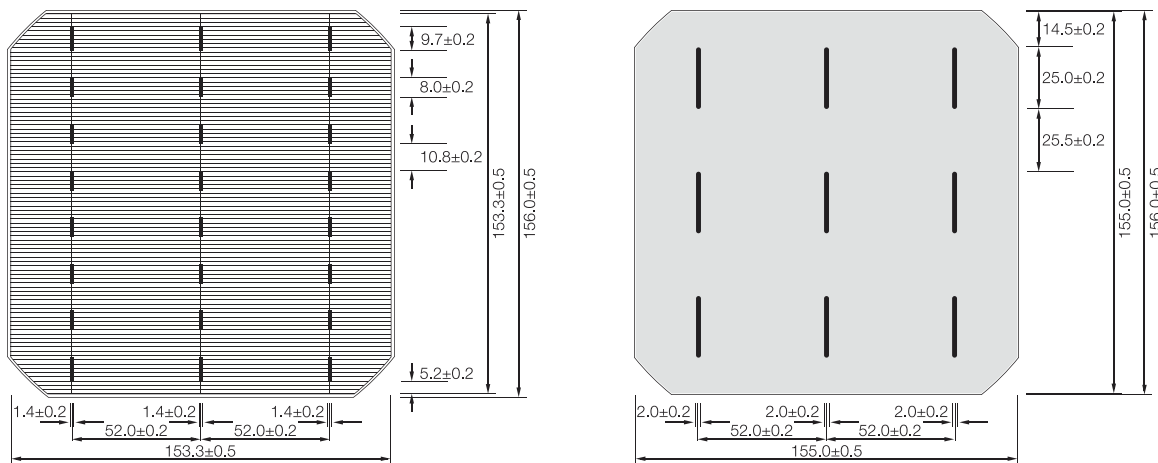
#### TEMPERATURE COEFFICIENTS

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

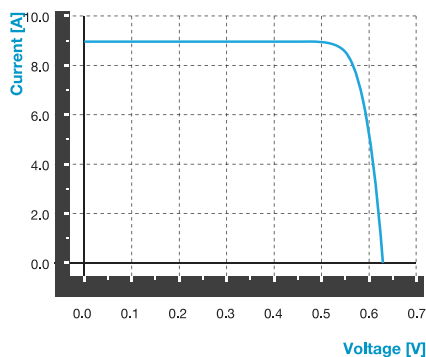
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	19.20-20.00	4.59	0.541	8.484	0.640	8.972	79.94
09	19.00-19.20	4.54	0.540	8.407	0.639	8.959	79.30
08	18.80-19.00	4.49	0.538	8.346	0.638	8.936	78.76
07	18.60-18.80	4.45	0.535	8.318	0.637	8.912	78.39
06	18.40-18.60	4.40	0.533	8.255	0.636	8.875	77.95
05	18.20-18.40	4.35	0.530	8.208	0.634	8.830	77.70
04	18.00-18.20	4.30	0.527	8.159	0.632	8.805	77.27
03	17.80-18.00	4.26	0.523	8.145	0.631	8.787	76.83
02	17.60-17.80	4.21	0.519	8.112	0.630	8.775	76.15
01	17.40-17.60	4.16	0.518	8.031	0.629	8.695	76.06

# Simax 6 inch cell 3BB CYPRESS

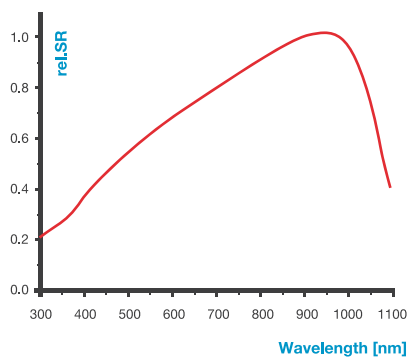
## MONOCRYSTALLINE SILICON SOLAR CELLS



### IV CURVE



### SPECTRAL RESPONSE



### INTENSITY DEPENDENCE

Intensity [W/m <sup>2</sup> ]	Isc*	Voc*	Pmpp
1000	1.00	1.00	1.00
900	0.91	1.00	0.91
800	0.81	0.99	0.80
500	0.51	0.97	0.50
300	0.31	0.95	0.29
200	0.21	0.93	0.19

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