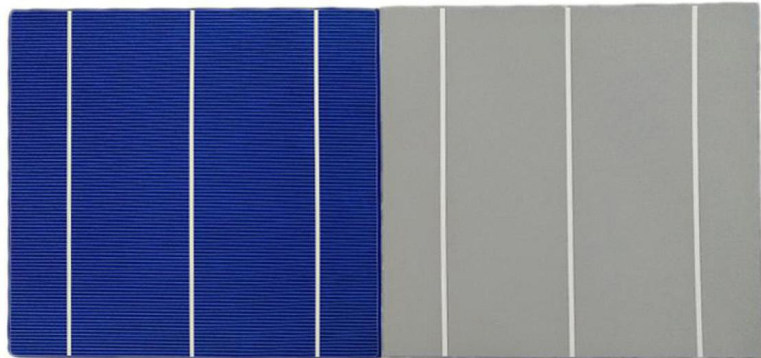


# WB P6-3

## 3BB

POLYCRYSTALLINE SILICON SOLAR CELLS



WISEBIZ Ltd.'s Poly Cells. Manufacturing modules with more than **250W(6×10)** power output becomes easier than ever.

### MECHANICAL DATA AND DESIGN

Format	157mm×157mm±0.5mm
Thickness	200μm±20μm
Front(-)	1.6mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2.mm wide soldering pads(silver) back surface field(aluminum)

### TEMPERATURE COEFFICIENTS

TkVoltage	-0.368%/K
TkCurrent	+0.077%/K
TkPower	-0.364%/K

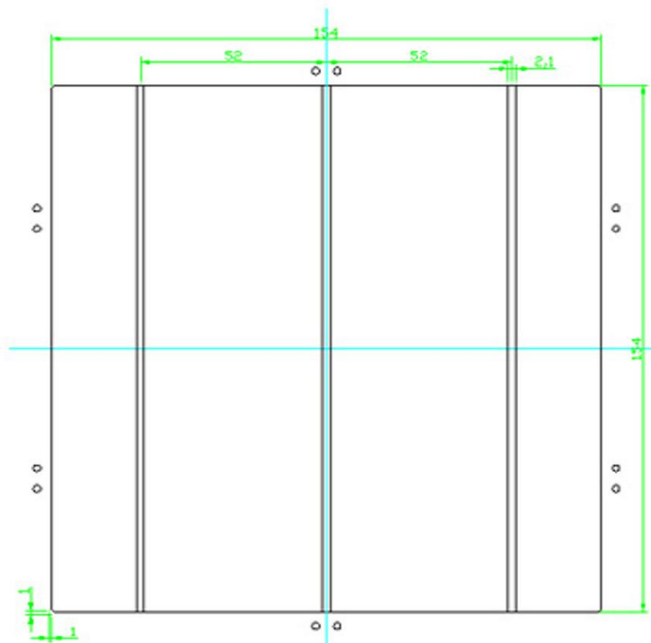
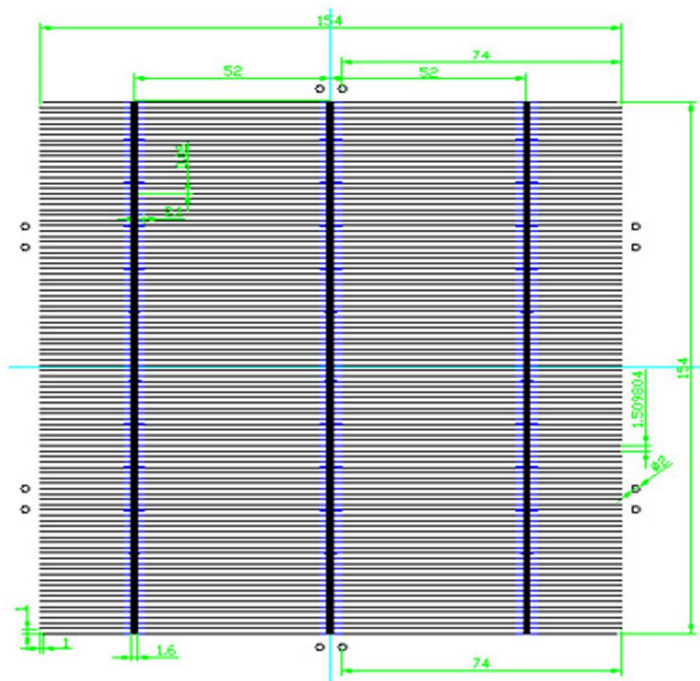
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
No.	Eff (%)	Pmpp (W)	Umpp (v)	Impp (A)	Voc (v)	Isc (A)	
1	19.1–19.5	4.71	0.5428	8.66	0.637	9.15	
2	19.0–19.1	4.68	0.5415	8.64	0.636	9.13	
3	18.9–19.0	4.66	0.5402	8.62	0.635	9.11	
4	18.8–18.9	4.63	0.5387	8.60	0.634	9.09	
5	18.7–18.8	4.61	0.5374	8.57	0.632	9.06	
6	18.6–18.7	4.58	0.5360	8.55	0.631	9.04	
7	18.5–18.6	4.56	0.5347	8.53	0.630	9.02	
8	18.4–18.5	4.54	0.5332	8.51	0.629	9.00	
9	18.3–18.4	4.51	0.5323	8.47	0.628	8.96	
10	18.2–18.3	4.49	0.5313	8.44	0.628	8.94	

\*This table gives typical value of production performance, just for reference.

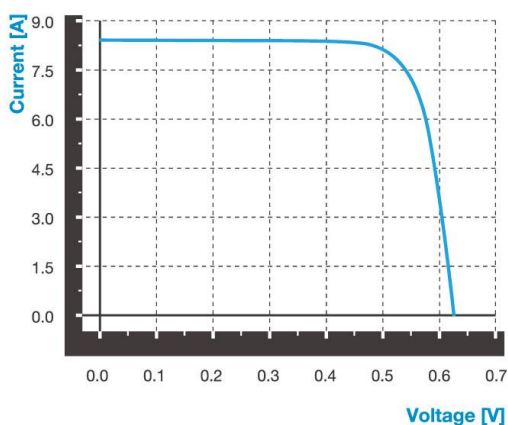
# WB P6-3

## 3BB

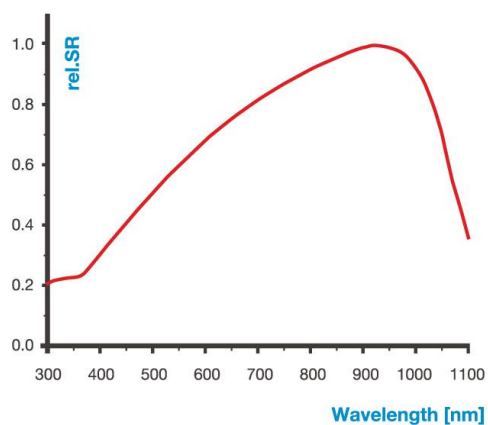
### POLYCRYSTALLINE SILICON SOLAR CELLS



#### 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	1.00	0.90
800	0.80	0.99	0.80
500	0.50	0.96	0.49
300	0.30	0.93	0.29
200	0.20	0.92	0.19

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