

## Multi-Crystalline 3BB U-Cell

### Dimension



156 mm x 156 mm  $\pm$  0.5 mm

### Wafer Thickness:



200  $\mu$ m  $\pm$  20  $\mu$ m.

### Front side (–)

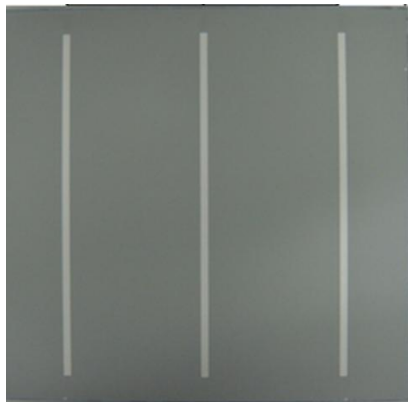
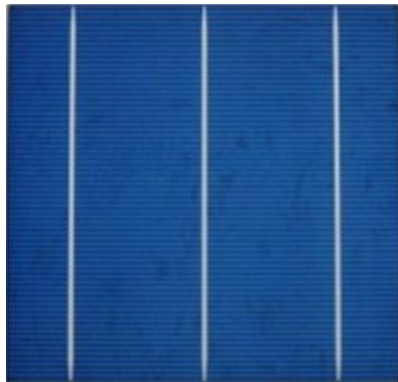


- Three 1.5 mm wide bus bars(silver)
- Distance 52 mm, acid textured surface,
- with blue silicon nitride anti-reflection coating.

### Back side (+)



- 3.0 mm wide silver continuous bus bars,
- aluminum back surface field



## Typical Electrical Characteristics

P/N	Eff.(%)	Minimum Power	Impp	Vmpp	Isc	Voc
Ucell-180	18.00 – 18.10	4.38	8.251	0.532	8.761	0.636
Ucell-179	17.90 – 18.00	4.36	8.229	0.530	8.740	0.635
Ucell-178	17.80 – 17.90	4.33	8.210	0.529	8.718	0.634
Ucell-177	17.70 – 17.80	4.31	8.196	0.527	8.705	0.633
Ucell-176	17.60 – 17.70	4.28	8.183	0.525	8.695	0.632
Ucell-175	17.50 – 17.60	4.26	8.159	0.524	8.674	0.630
Ucell-174	17.40 – 17.50	4.23	8.117	0.523	8.629	0.629
Ucell-173	17.30 – 17.40	4.21	8.083	0.523	8.594	0.628
Ucell-172	17.20 – 17.30	4.19	8.075	0.520	8.591	0.626
Ucell-170	17.00 – 17.20	4.14	8.063	0.517	8.585	0.624
Ucell-168	16.80 – 17.00	4.09	8.013	0.514	8.537	0.619
Ucell-166	16.60 – 16.80	4.04	7.939	0.513	8.526	0.619

### Typical Temperature Coefficients

**Current (Alpha) : +2.47 mA/K**

**Voltage (Beta) : - 2.02 mV/K**

**Power (Gamma) : - 0.39 %/K**