

Multi-Si Solar Cell (JCMC-156.75-5BB-Diamond Wire)

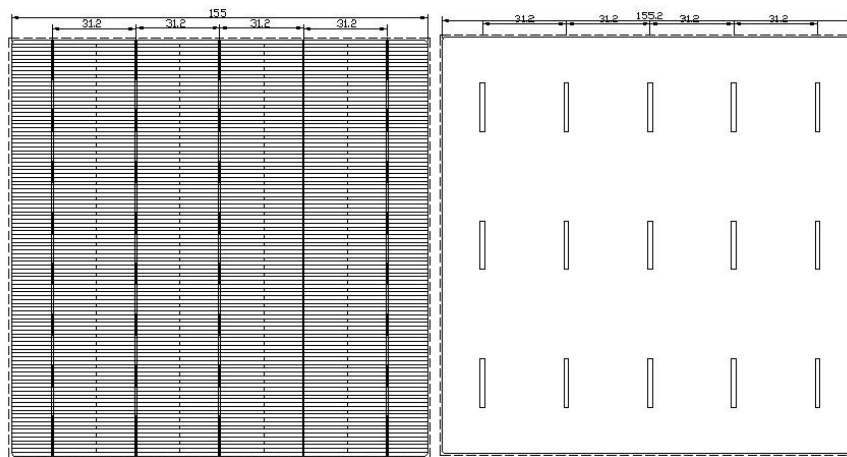
Physical Characteristics

Dimension	156.75mm×156.75mm±0.3mm
Thickness	200μm±20μm
Front Side	0.7mm bus bars(silver), blue anti-reflecting coating(silicon nitride), ozonation
Back Side	1.8mmwide soldering pads(silver), back surface field(aluminum)

Temperature Coefficients

Voltage	-0.30%/°C
Current	0.03%/°C
Power	-0.40%/°C

Cell Layout

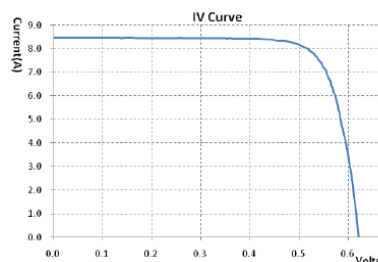


Electrical Characteristics

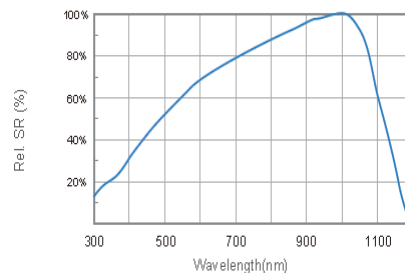
No.	Eff.(%)	Pmpp(W)	Ump(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
1	18.9	4.60	0.5417	8.527	0.6408	9.005	80.05
2	18.8	4.57	0.5408	8.494	0.6382	8.997	80.02
3	18.7	4.55	0.5401	8.469	0.6374	8.970	80.00
4	18.6	4.53	0.5389	8.441	0.6362	8.940	79.97
5	18.5	4.50	0.5377	8.416	0.6351	8.913	79.95
6	18.4	4.48	0.5364	8.382	0.6336	8.876	79.95
7	18.3	4.45	0.5349	8.349	0.6320	8.841	79.94
8	18.2	4.43	0.5335	8.327	0.6307	8.819	79.87
9	18.1	4.40	0.5318	8.298	0.6291	8.791	79.80
10	18.0	4.38	0.5296	8.265	0.6270	8.757	79.72

Standard test conditions: AM1.5,1000W/m²,25°C. Average accuracy of all tested figures is ±5% rel.

IV Curve



Spectral Response



Light Intensity Dependence

Intensity[W/m ²]	Impp	Vmpp
1000	1.000	1.000
900	0.900	0.996
500	0.500	0.970
300	0.300	0.948
200	0.200	0.929