

Multi-Si Solar Cell (JCMC-156.75-4BB-Diamond Wire)

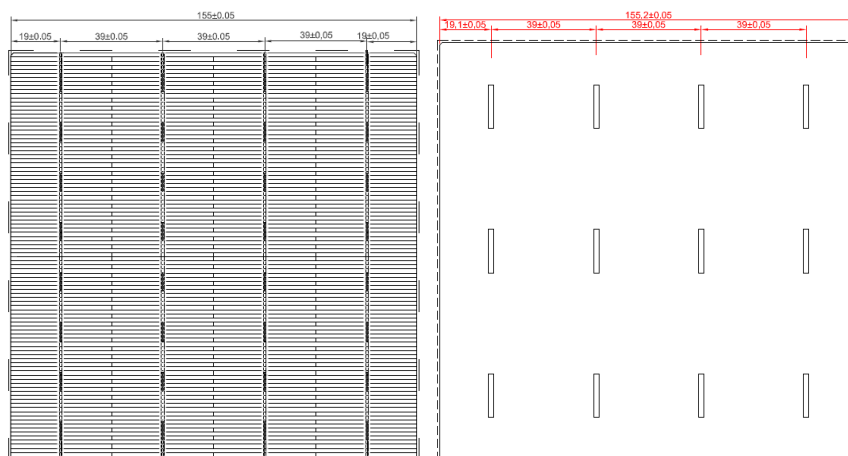
Physical Characteristics

Dimension	156.75mm×156.75mm±0.3mm
Thickness	200μm±20μm
Front Side	1.0mm bus bars(silver), blue anti-reflected coating(silicon nitride), ozonation
Back Side	2.0mm wide soldering pads(silver), back surface field(aluminum)

Temperature Coefficients

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

Cell Layout

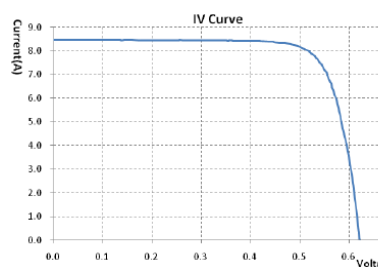


Electrical Characteristics

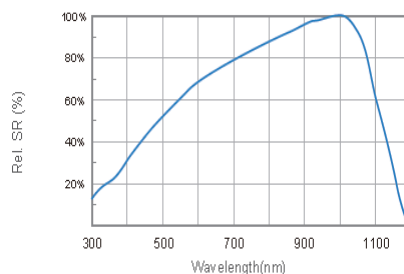
No.	Eff.(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
1	18.9	4.60	0.5421	8.534	0.6400	9.009	80.04
2	18.8	4.57	0.5398	8.511	0.6390	8.985	80.01
3	18.7	4.55	0.5386	8.494	0.6382	8.968	79.93
4	18.6	4.53	0.5372	8.470	0.6371	8.943	79.85
5	18.5	4.50	0.5357	8.449	0.6360	8.922	79.77
6	18.4	4.48	0.5338	8.427	0.6346	8.897	79.66
7	18.3	4.45	0.5317	8.401	0.6331	8.871	79.53
8	18.2	4.43	0.5302	8.380	0.6319	8.850	79.44
9	18.1	4.40	0.5283	8.354	0.6301	8.824	79.37
10	18.0	4.38	0.5266	8.310	0.6282	8.783	79.29

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	0.994
500	0.500	0.968
300	0.300	0.946
200	0.201	0.927