

SS052

SING SOLAR
畅阳新能源
 SingSolar New Energy

5BB POLYCRYSTALLINE SILICON SOLAR CELLS

MECHANICAL DATA AND DESIGN

Format	156.75mm*156.75mm±0.25mm
Thickness	210±30μm
Front(-)	5*0.7mm busbars (silver), 104 finger grids, Blue anti-reflecting coating (siliconnitride)
Back(+)	5*1.8mm busbars(silver), Back surface field(aluminum)

TEMPERATURE COEFFICIENTS

TkUoc	-0.36%/K
Tklsc	+0.06%/K
TkP _{MAX}	-0.36%/K

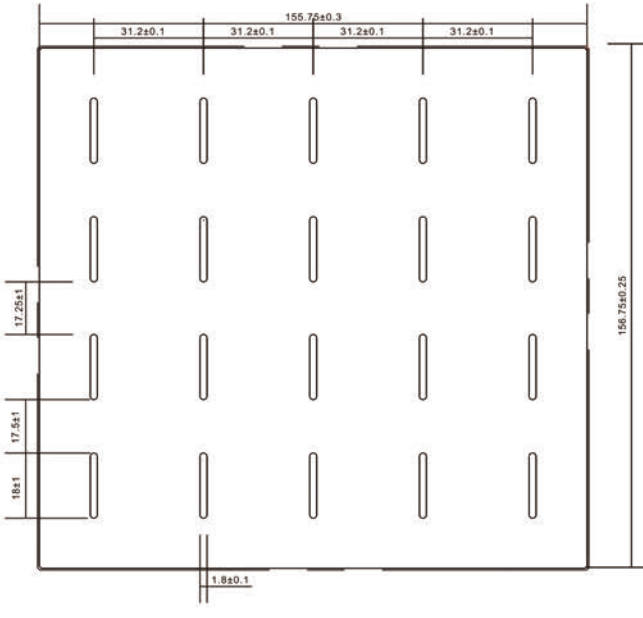
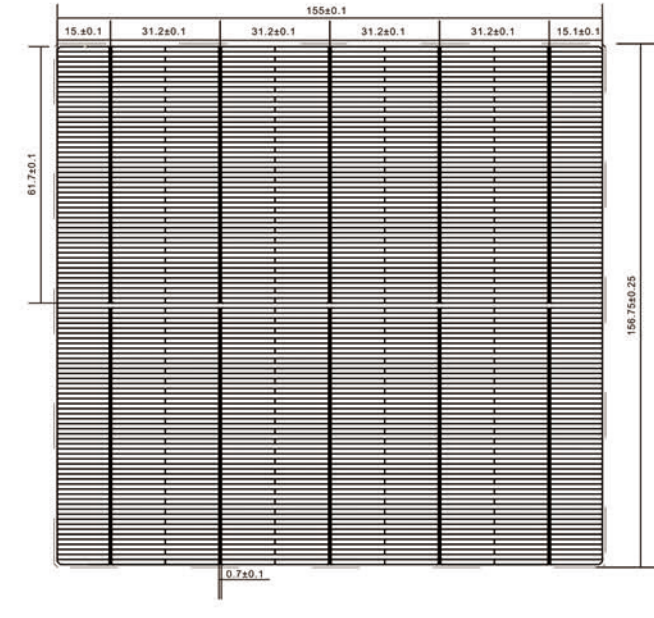
No.	Efficiency(%)	P _{mpp} (W)	U _{mpp} (V)	I _{mpp} (A)	U _{oc} (V)	I _{sc} (A)
10	≥19.00	4.67	0.548	8.513	0.645	9.024
09	18.90	4.64	0.547	8.489	0.644	9.003
08	18.80	4.62	0.546	8.461	0.643	8.991
07	18.70	4.59	0.544	8.440	0.641	8.977
06	18.60	4.57	0.543	8.424	0.640	8.958
05	18.50	4.55	0.541	8.406	0.638	8.936
04	18.40	4.52	0.539	8.382	0.637	8.920
03	18.30	4.50	0.538	8.362	0.636	8.907
02	18.20	4.47	0.535	8.351	0.634	8.892
01	18.10	4.45	0.534	8.333	0.633	8.880

Specifications subjects to technical changes and tests. Sing Solar reserves the right of final interpretation.

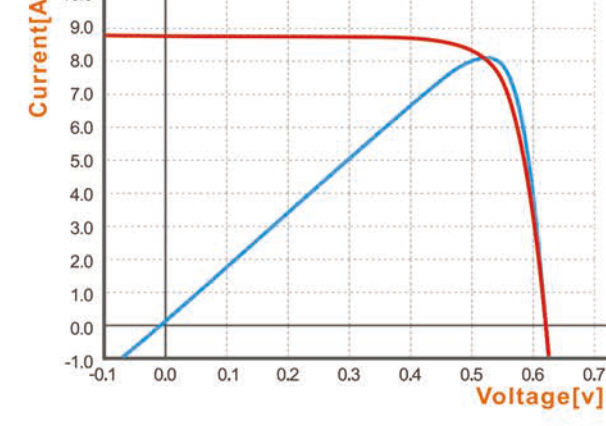
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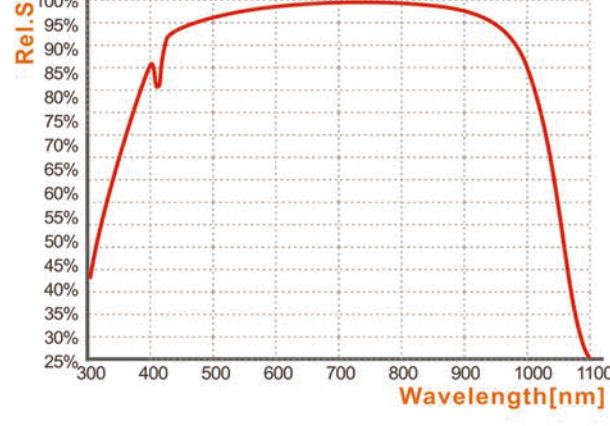
5BB POLYCRYSTALLINE SILICON SOLAR CELLS



IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	1000	900	800	600	400
I _{sc} *	1.0	0.9	0.8	0.6	0.4
U _{oc} *	1.00	0.99	0.99	0.98	0.96

*Ratio of Voc(I_{sc}) at reduced intensity to Voc(I_{sc}) at 1000W/m²
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SS051

SING SOLAR
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5BB PERC MONOCRYSTALLINE SILICON SOLAR CELLS

MECHANICAL DATA AND DESIGN

Format	156.75mm*156.75mm±0.25mm
Thickness	200±30μm
Front(-)	5*0.7mm busbars (silver), 104 finger grids, Blue anti-reflecting coating (siliconnitride)
Back(+)	5*1.8mm busbars(silver), Back surface field(aluminum)

TEMPERATURE COEFFICIENTS

TkUoc	-0.36%/K
Tklsc	+0.06%/K
TkP _{MAX}	-0.36%/K

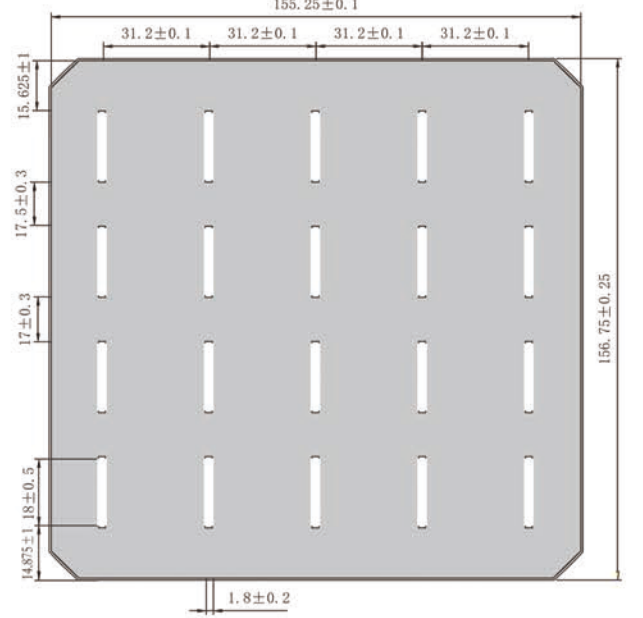
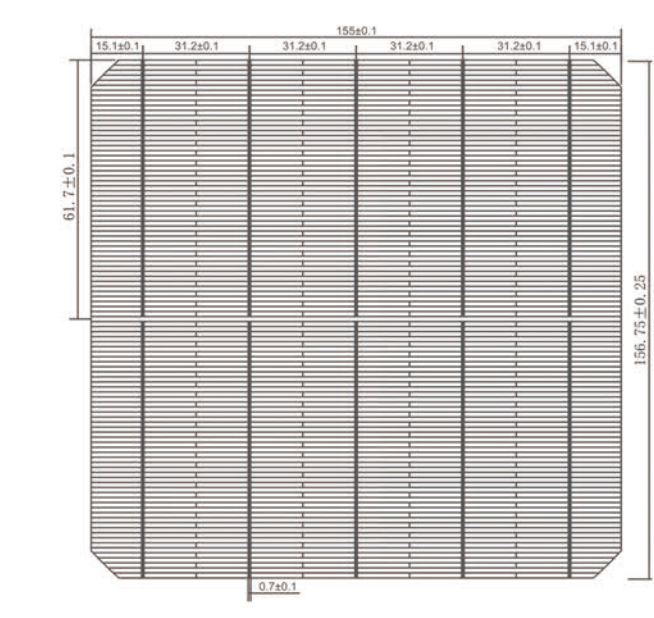
No.	Efficiency(%)	P _{mpp} (W)	U _{mpp} (V)	I _{mpp} (A)	U _{oc} (V)	I _{sc} (A)
13	21.60	5.28	0.573	9.212	0.668	9.802
12	21.50	5.25	0.571	9.201	0.667	9.780
11	21.40	5.23	0.569	9.190	0.666	9.760
10	21.30	5.20	0.568	9.163	0.665	9.742
09	21.20	5.18	0.566	9.157	0.664	9.729
08	21.10	5.16	0.564	9.152	0.663	9.720
07	21.00	5.13	0.562	9.131	0.662	9.710
06	20.90	5.11	0.560	9.126	0.661	9.696
05	20.80	5.08	0.558	9.103	0.659	9.681
04	20.70	5.06	0.556	9.096	0.658	9.664
03	20.60	5.03	0.554	9.076	0.656	9.652
02	20.50	5.01	0.553	9.064	0.653	9.646
01	20.40	4.98	0.551	9.046	0.651	9.639

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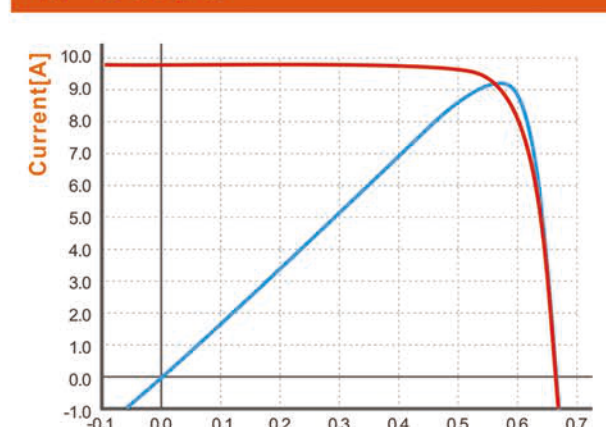
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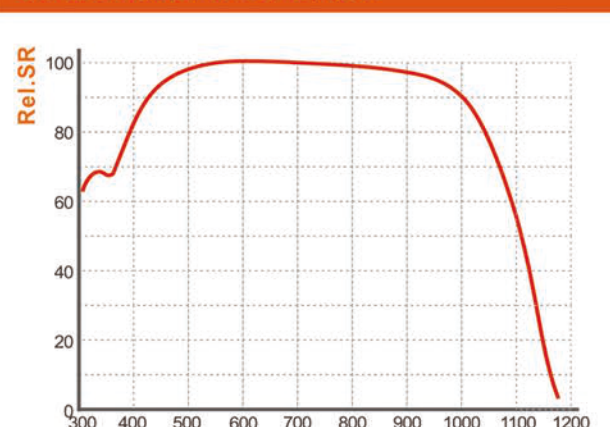
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