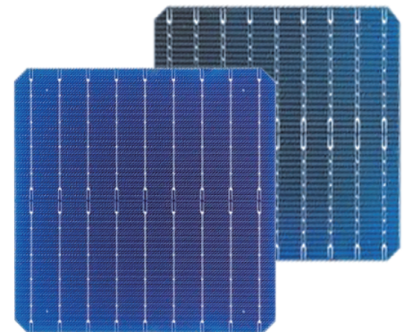
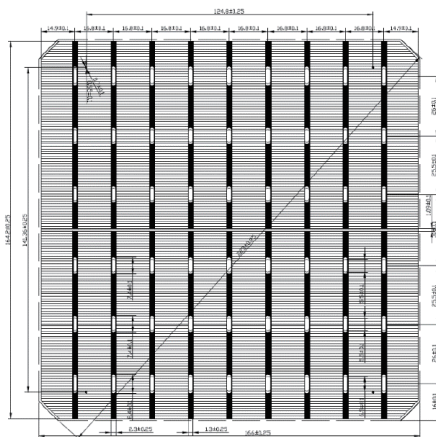
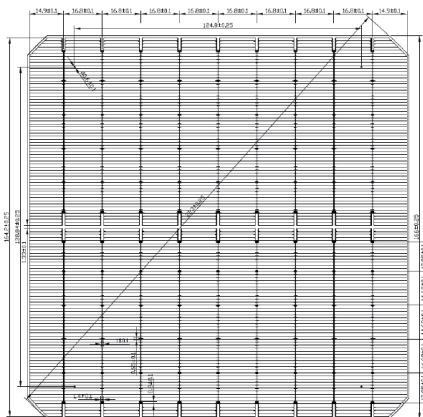


M166BP-PERC-9BB

Appearance



Dimension	166mm x 166mm ± 0.25mm
Thickness	190µm ± 30µm
Front(-)	9 busbars(silver), width 0.1 ± 0.03mm, 124 finger grids, Blue anti-reflecting coating(silicon nitride)
Rear(+)	Width of back electrode(silver) 1.3 ± 0.25mm, finger grids(aluminum), dotted laser design



Electrical Performance

EFF Code(%)	Pmpp(W)	Vmpp(V)	Imp(A)	Voc(V)	Isc(A)
22.90%	6.28	0.5933	10.582	0.6874	11.113
22.80%	6.25	0.5916	10.566	0.6859	11.100
22.70%	6.22	0.5905	10.540	0.6837	11.105
22.60%	6.20	0.5887	10.525	0.6822	11.090
22.50%	6.17	0.5873	10.503	0.6811	11.082
22.40%	6.14	0.5856	10.486	0.6807	11.075
22.30%	6.11	0.5835	10.477	0.6790	11.060
22.20%	6.09	0.5817	10.462	0.6780	11.046
22.10%	6.06	0.5799	10.448	0.6777	11.039
22.00%	6.03	0.5781	10.433	0.6774	11.021
21.90%	6.00	0.5760	10.424	0.6748	11.014
21.80%	5.98	0.5742	10.409	0.6743	10.996
21.70%	5.95	0.5720	10.401	0.6729	10.990
21.60%	5.92	0.5701	10.386	0.6719	10.974
21.50%	5.89	0.5684	10.371	0.6713	10.958

*Standard Test Condition 1000W/m², AM1.5, 25°C

Back Efficiency Distribution

Efficiency (%)	Pmpp(W)	Vmpp(V)	Imp(A)	Voc(V)	Isc(A)
>16.0%	4.44	0.5884	7.549	0.6788	8.019
15.5%-16.0%	4.30	0.5782	7.492	0.6688	7.940
15.0%-15.5%	4.17	0.5721	7.335	0.6650	7.735
<15.0%	4.06	0.5657	7.173	0.6592	7.554

*Standard Test Condition 1000W/m², AM1.5, 25°C

Temperature Coefficient

TKVoltage	-0.36%/K
TKCurrent	+0.06%/K
TkPower	-0.36%/K
Rsh ≥ 35Ω, Irev2 ≤ 0.8A	

Solder Ability

Peel strength Minimum	≥ 1.4N/mm
Results may be different due to different ribbons, soldering methods and parameters.	

Light Intensity Characteristic

Intensity[W/m²]	Voc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

IV Curve

