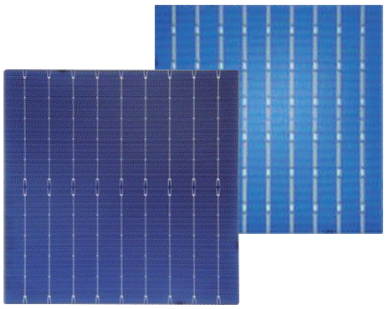
CONSORT®

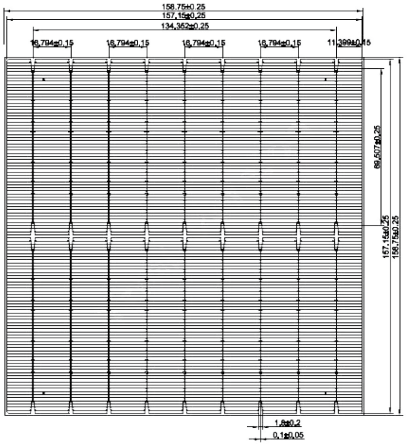
Mono 9BB Solar Cell 158.75 Bifacial

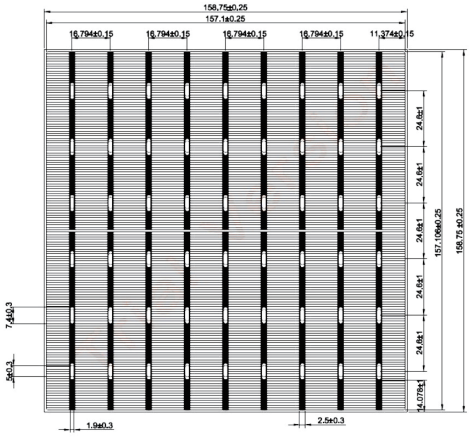
M158BP-PERC-9BB

Appearance

Dimension	158.75mm x 158.75mm ± 0.25mm
Thickness	190μm ± 30μm
Front(-)	9 *0.1mm busbars(Silver), 114 finger grids, Blue anti-reflecting coating (silicon nitride)
Rear(+)	Width of back electrode (Silver) 1.8mm, 9 busbars(aluminum), 150 finger grids(aluminum), Blue anti-reflecting coating (silicon nitride)







Electrical Performance

EFF Code(%)	Pmpp(W)	Vmpp(V)	Impp(A)	Voc(V)	Isc(A)
22.60%	5.70	0.579	9.835	0.684	10.382
22.50%	5.67	0.577	9.815	0.683	10.373
22.40%	5.64	0.577	9.785	0.683	10.344
22.30%	5.62	0.576	9.763	0.683	10.342
22.20%	5.59	0.574	9.736	0.681	10.314
22.10%	5.57	0.573	9.725	0.680	10.307
22.00%	5.54	0.571	9.712	0.678	10.294
21.90%	5.52	0.569	9.708	0.677	10.281
21.80%	5.49	0.566	9.695	0.676	10.267
21.70%	5.47	0.565	9.690	0.674	10.259
21.60%	5.44	0.562	9.679	0.673	10.247
21.50%	5.42	0.560	9.672	0.671	10.236
21.40%	5.39	0.558	9.662	0.669	10.231
21.30%	5.37	0.557	9.649	0.667	10.226
21.20%	5.34	0.555	9.626	0.665	10.220

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

Back Efficiency Distribution

Efficiency (%)	Pmpp(W)	Vmpp(V)	Impp(A)	Voc(V)	Isc(A)
>16.0%	4.05	0.575	7.045	0.672	7.400
15.5%-16.0%	3.97	0.572	6.946	0.671	7.264
15.0%-15.5%	3.85	0.572	6.736	0.669	7.051
<15.0%	3.76	0.571	6.583	0.669	6.883

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

Temperature Coefficient

TkVoltage	-0.36%/K
TKCurrent	+0.07%/K
TkPower	-0.38%/K
Rsh ≥ 30Ω , Irev2 ≤ 0.8A	

Solder Ability

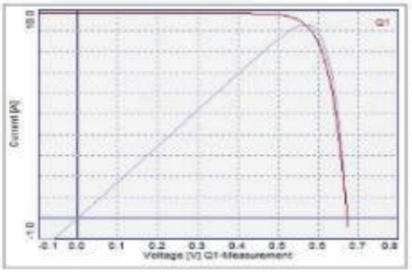
Peel strength Minimum ≥ 1.4N/mm

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



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