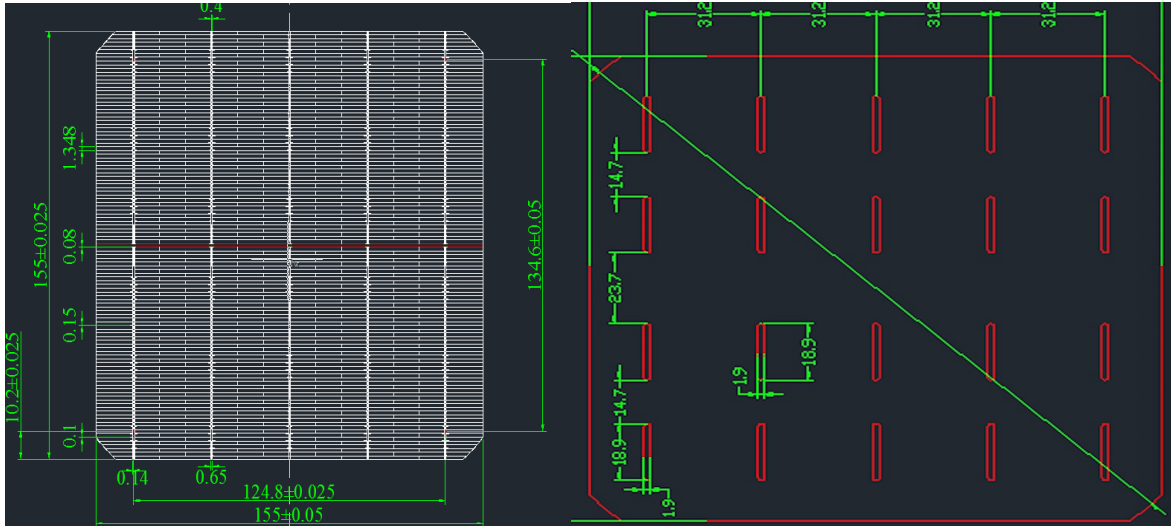




PRODUCT SPECIFICATION

PRODUCT APPEARANCE DESIGN



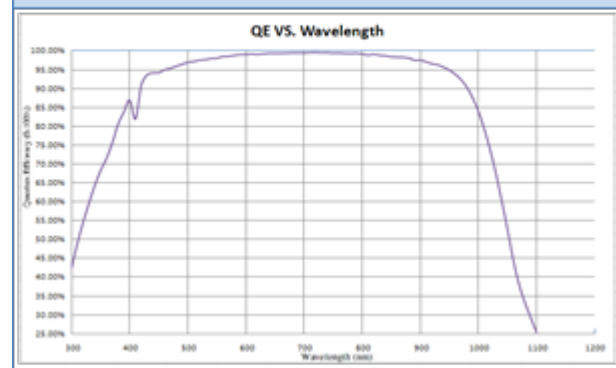
Technical data and design of screen

Size	156.75mm*156.75mm±0.25mm
Thickness	170±10um
Front	5*0.65mm busbar , 108 finger grids , Blue anti-reflecting coating
Back	Wide soldering pads 1.9mm , surface field aluminum

Temperature Coefficients

TkUoc (%/K)	-0.36
TkIsc (%/K)	-0.06
TkP _{MAX} (%/K)	-0.36

Spectral Response



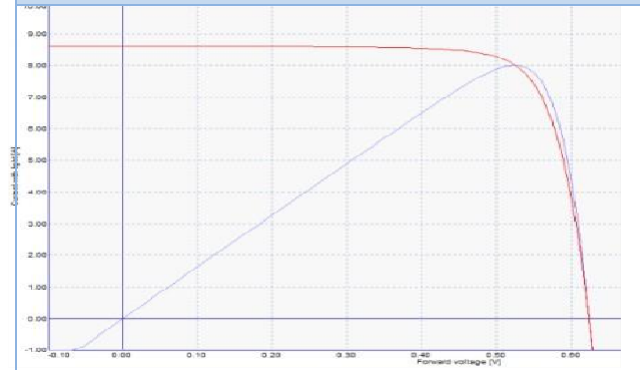


Light Intensity Dependence

Intensity (W/m ²)	Uoc	Isc
1000	1.0	1.0
900	0.99	0.9
800	0.99	0.8
600	0.98	0.6
400	0.96	0.4

Based on the VOC (ISC) of 1000W / m2 test.

IV Curve



Solder Ability

Peel strength Minimum >1.5N/mm

Result may be different due to different ribbons, soldering methods and parameters.



Efficiency Code	EFF (%)	Pmpp (W)	Umpp (V)	Imp (A)	Uoc (V)	Isc (A)
SE-156M-223	≥22.3%H	5.45	0.599	9.114	0.692	9.609
SE-156M-223	≥22.3%M	5.45	0.598	9.117	0.689	9.605
SE-156M-223	≥22.3%L	5.45	0.597	9.122	0.687	9.595
SE-156M-222	22.2%H	5.42	0.598	9.093	0.691	9.597
SE-156M-222	22.2%M	5.42	0.597	9.101	0.688	9.594
SE-156M-222	22.2%L	5.42	0.596	9.109	0.686	9.588
SE-156M-221	22.1%H	5.40	0.596	9.079	0.691	9.587
SE-156M-221	22.1%M	5.40	0.595	9.086	0.688	9.585
SE-156M-221	22.1%L	5.40	0.594	9.093	0.685	9.582
SE-156M-220	22.0%H	5.37	0.595	9.064	0.690	9.578
SE-156M-220	22.0%M	5.37	0.594	9.071	0.687	9.576
SE-156M-220	22.0L%	5.37	0.593	9.076	0.684	9.574
SE-156M-219	21.9%H	5.35	0.593	9.045	0.689	9.567
SE-156M-219	21.9%M	5.35	0.592	9.056	0.686	9.567
SE-156M-219	21.9%L	5.35	0.592	9.058	0.683	9.563
SE-156M-218	21.8%H	5.33	0.591	9.033	0.688	9.561
SE-156M-218	21.8%M	5.33	0.590	9.041	0.685	9.558
SE-156M-218	21.8%L	5.33	0.590	9.044	0.682	9.555
SE-156M-217	21.7%H	5.30	0.589	9.019	0.687	9.557
SE-156M-217	21.7%M	5.30	0.588	9.026	0.684	9.552
SE-156M-217	21.7%L	5.30	0.588	9.029	0.681	9.543
SE-156M-216	21.6%H	5.28	0.588	8.990	0.686	9.544
SE-156M-216	21.6%M	5.28	0.587	9.007	0.683	9.540
SE-156M-216	21.6%L	5.28	0.586	9.016	0.679	9.536
SE-156M-215	21.5%H	5.25	0.587	8.973	0.685	9.540
SE-156M-215	21.5%M	5.25	0.586	8.986	0.682	9.529
SE-156M-215	21.5%L	5.25	0.585	8.994	0.678	9.524
SE-156M-214	21.40%	5.23	0.584	8.971	0.678	9.513
SE-156M-213	21.30%	5.20	0.584	8.935	0.678	9.498
SE-156M-212	21.20%	5.18	0.582	8.925	0.678	9.499
SE-156M-211	21.10%	5.15	0.582	8.878	0.677	9.456
SE-156M-210	21.00%	5.13	0.582	8.837	0.678	9.410