

Natural Gift of Sunlight

TECHNICAL DATA AND DESIGN

- Dimension**

158.75mm*158.75mm±0.5mm

TkVoltage: -0.36%/K

- Back(+)**

Width of back electrode (Silver) 1.8±0.3mm,
Backsurface field(aluminum)

Rsh≥35Ω, Irev2≤0.8A

- Thickness**

180±30μm

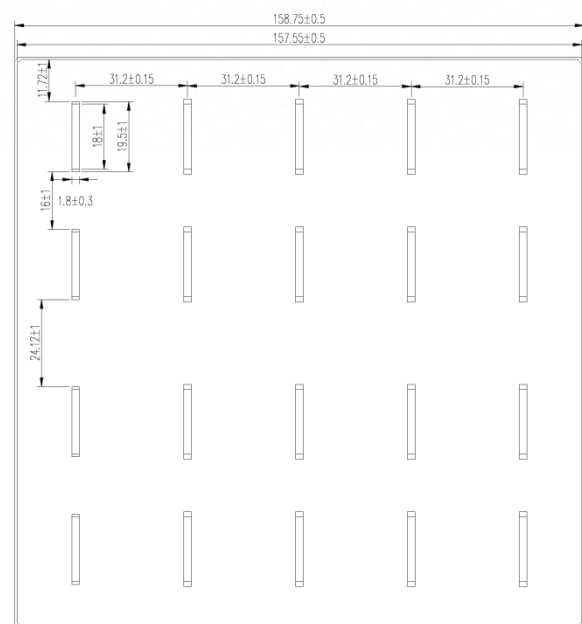
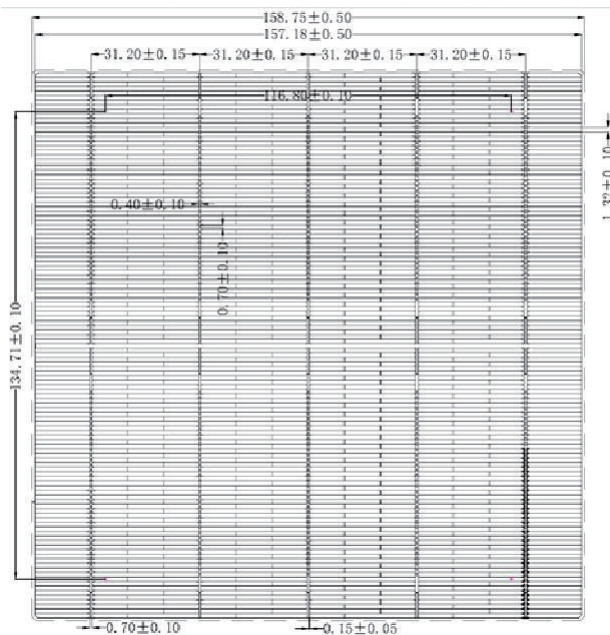
TkCurrent: +0.07%/K

- Front**

5*0.7±0.1mm busbars (silver), 120 finger grids,
Blue anti-reflecting coating (silicon nitride),
13.8% hollow ratio

TkPower: -0.38%/K

Product Appearance

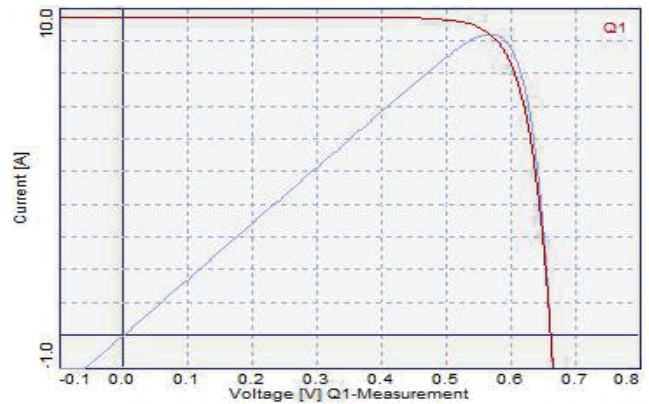


LIGHT INTENSITY RELIABILITY

Intensity(W/m ²)	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

Ratio of Voc(Isc) at reduced intensity to Voc(Isc)at 1000W/m².

IV CURVE



SOLDER ABILITY

Peel Strength Minimum $\geq 1.4\text{N/mm}$

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

ELECTRICAL PERFORMANCE

Efficiency Code	Efficiency (%)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
MS-158.75M-228	22.8	5.81	0.583	9.975	0.688	10.490	80.47
MS-158.75M-227	22.7	5.78	0.581	9.950	0.685	10.485	80.46
MS-158.75M-226	22.6	5.76	0.579	9.835	0.685	10.480	80.28
MS-158.75M-225	22.5	5.74	0.577	9.815	0.684	10.478	80.08
MS-158.75M-224	22.4	5.72	0.577	9.785	0.681	10.473	80.07
MS-158.75M-223	22.3	5.69	0.576	9.763	0.679	10.452	80.07
MS-158.75M-222	22.2	5.66	0.575	9.723	0.677	10.450	80.00

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STC (Standard Testing Conditions):1000W/m², AM1.5,25°C.

Technical parameters above-mentioned subjects to technical changes and tests.