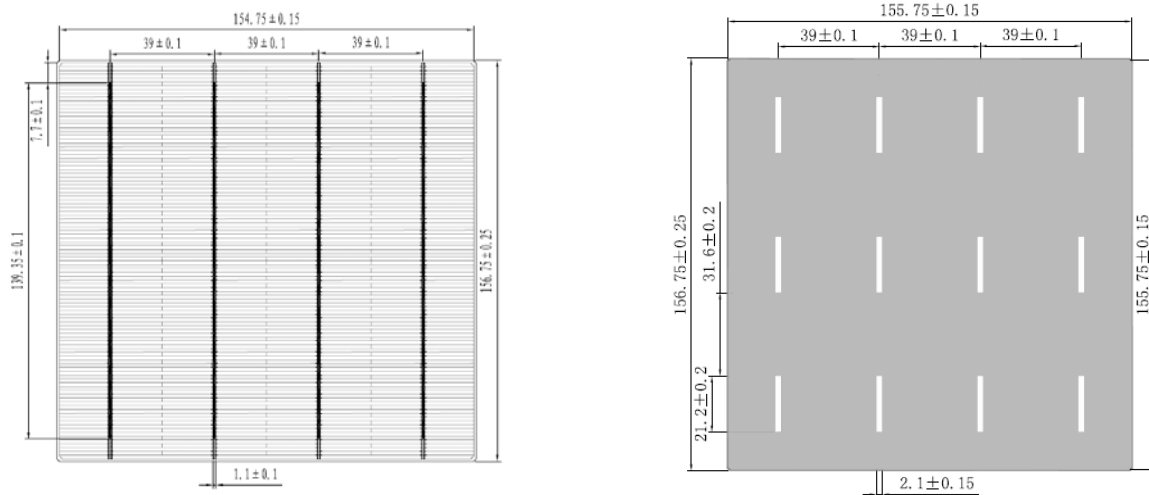


TW Solar 156.75 Polycrystalline Silicon Solar Cell

TW050

Product Appearance



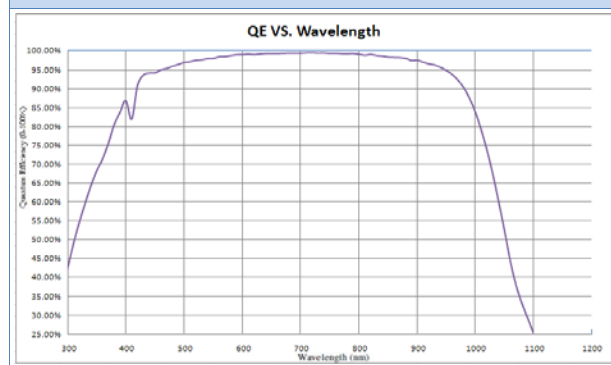
Technical Data and Design

Dimension	156.75mm*156.75mm±0.25mm
Thickness	210 ± 30μm
Front	4*1.1mm busbars (silver), 105 finger grids, Blue anti-reflecting coating (silicon nitride)
Back(+)	4*2.1mm busbars (silver), Back surface field (aluminum)

Temperature Coefficients

TkUoc (%/K)	-0.36
TkIsc (%/K)	+0.06
TkP_{MAX} (%/K)	-0.36

Spectral Response(QE)

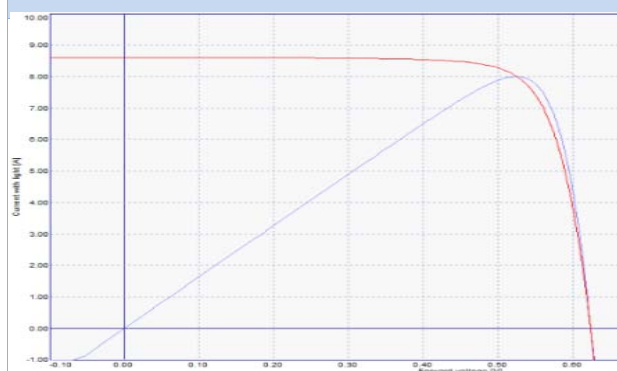


Light Intensity dependence

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

Take the Voc (Isc) at 1000W/m² as the standard, test the range of Voc(Isc) decrease with light intensity.

IV Curve



Solder Ability

Peel Strength Minimum >1.73N/mm

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

Electrical Performance

Efficiency Code	Efficiency (%)	Min I _{mpp} (A)	Max I _{mpp} (A)	P _{mpp} (W)	U _{mpp} (V)	I _{mpp} (A)	U _{oc} (V)	I _{sc} (A)
TW-156.75P-187	≥18.70%	8.20	\	4.59	0.543	8.461	0.639	8.957
TW-156.75P-186	18.60%	8.20	\	4.57	0.542	8.431	0.638	8.924
TW-156.75P-185	18.50%	8.15	\	4.55	0.541	8.401	0.637	8.891
TW-156.75P-184	18.40%	8.15	\	4.52	0.540	8.376	0.635	8.864
TW-156.75P-183	18.30%	8.15	\	4.50	0.539	8.349	0.634	8.836
TW-156.75P-182	18.20%	8.10	\	4.47	0.537	8.327	0.633	8.814
TW-156.75P-181	18.10%	8.10	\	4.45	0.535	8.309	0.631	8.795
TW-156.75P-180	18.00%	8.05	\	4.42	0.534	8.284	0.630	8.770
TW-156.75P-179	17.90%	8.00	\	4.40	0.532	8.265	0.628	8.754

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

Technical parameters above-mentioned subjects to technical changes and tests. Tongwei Solar reserves the right of final interpretation.