

# POLYCRYSTALLINE

## SOLAR CELL

### TW067

#### TECHNICAL DATA AND DESIGN

<b>Dimension</b>	156.75mm*156.75mm±0.25mm
<b>Thickness</b>	210±30μm
<b>Front</b>	5*0.7mm busbars (silver), 104 finger grids, Blue anti-reflecting coating (silicon nitride)
<b>Back(+)</b>	5*1.8mm busbars (silver), Back surface field (aluminum)

#### TEMPERATURE COEFFICIENTS

<b>TkUoc (%/K)</b>	-0.36
<b>Tklsc (%/K)</b>	+0.06
<b>TkPMAx (%/K)</b>	-0.36

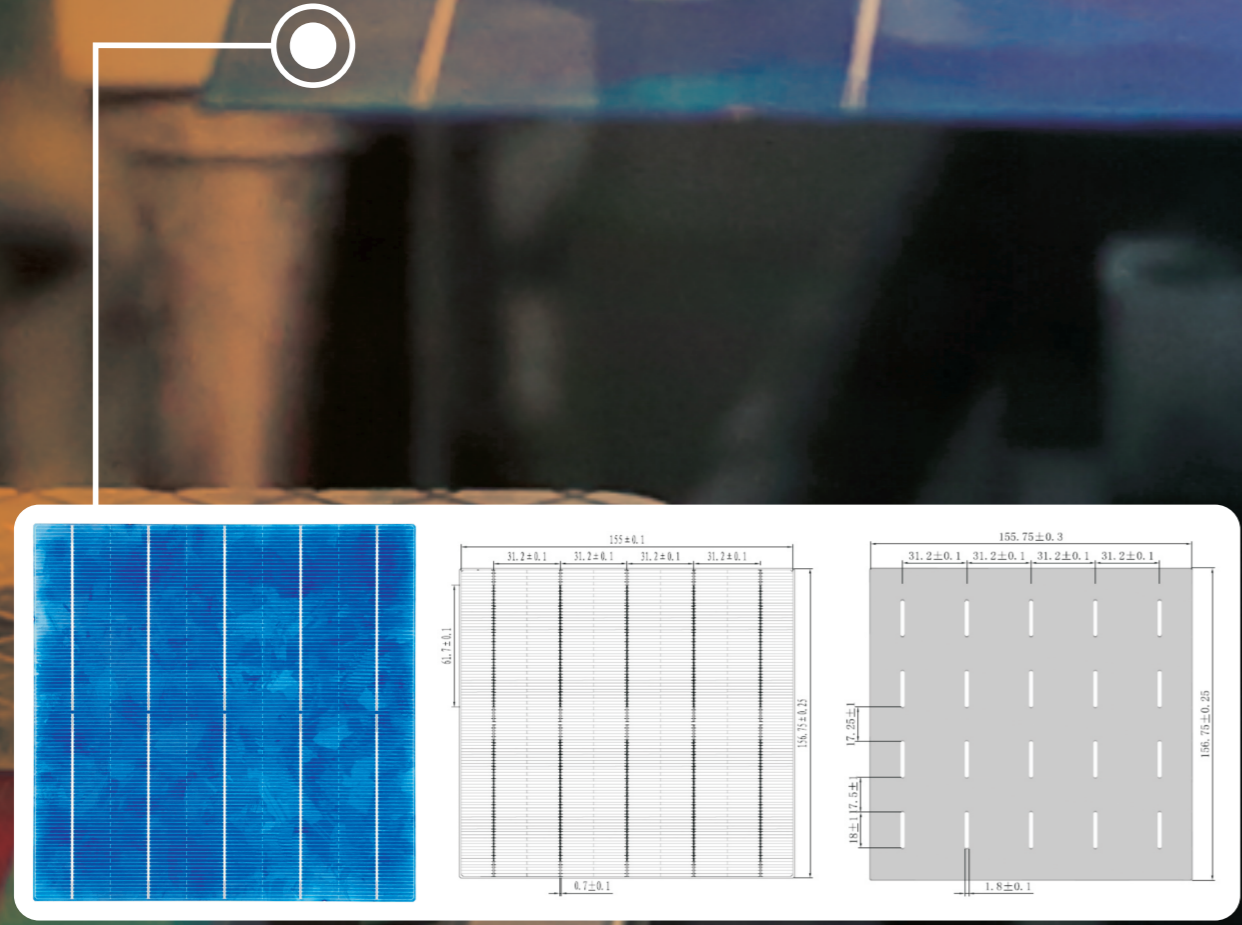
#### SOLDER ABILITY

<b>Peel Strength Minimum</b>	>1.73N/mm
------------------------------	-----------

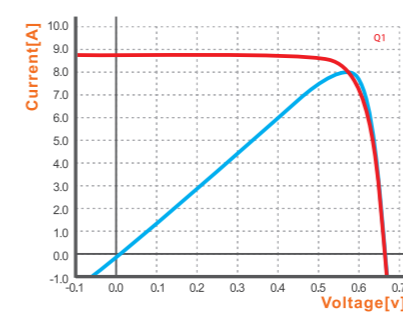
Result may be different due to different ribbons, soldering methods and parameters.

#### ELECTRICAL PERFORMANCE

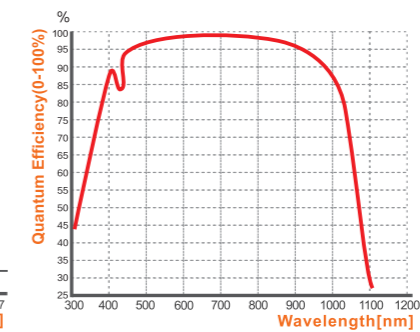
No.	Efficiency (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)
01	≥19.00%	4.67	0.548	8.513	0.645	9.024
02	18.90%	4.64	0.547	8.489	0.644	9.003
03	18.80%	4.62	0.546	8.461	0.643	8.991
04	18.70%	4.59	0.544	8.440	0.641	8.977
05	18.60%	4.57	0.543	8.424	0.640	8.958
06	18.50%	4.55	0.541	8.406	0.638	8.936
07	18.40%	4.52	0.539	8.382	0.637	8.920
08	18.30%	4.50	0.538	8.362	0.636	8.907
09	18.20%	4.47	0.535	8.351	0.634	8.892
10	18.10%	4.45	0.534	8.333	0.633	8.880



#### IV CURVE



#### SPECTRAL RESPONSE(QE)



#### LIGHT INTENSITY DEPENDENCE

Intensity (W/m²)	Uoc	Isc
1000	1.00	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.

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.