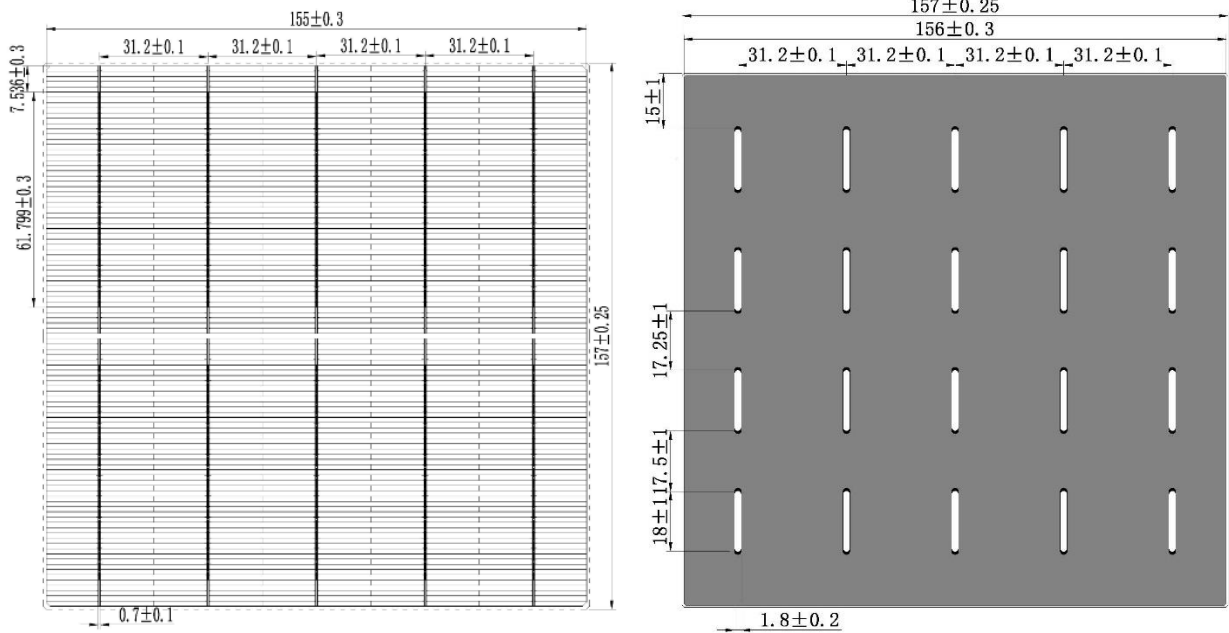




# 5BB Polycrystal Line Solar Cell 157

## Appearance

P1565B



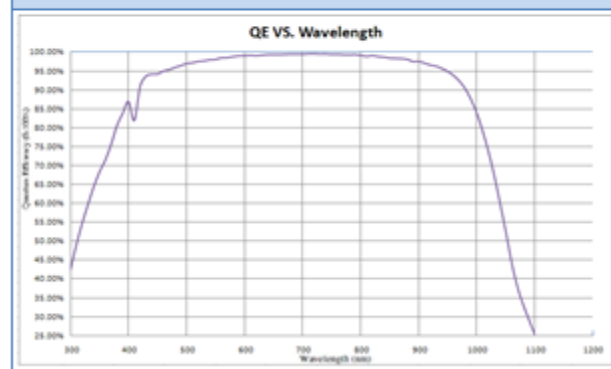
## Mechanical Data and Design

<b>Dimension</b>	<b>157mm*157mm±0.25mm</b>
<b>Thickness</b>	<b>200 ± 30um</b>
<b>Front</b>	<b>5*0.7 bus bars (silver), 104 finger grids , Blue anti-reflecting coating (silicon nitride)</b>
<b>Back (+)</b>	<b>5*1.8mm busbars(silver), Back surface field (aluminum)</b>

## TEMPERATURE COEFFICIENTS

TKUoc (%/K)	<b>-0.36</b>
TKIsc (%/K)	<b>+0.06</b>
TKP <sub>MAX</sub> (%/K)	<b>-0.36</b>

## SPECTRAL RESPONSE (QE)

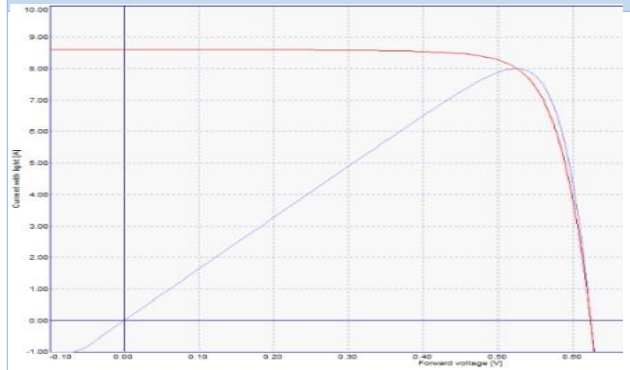


## Light Intensity Dependence

Intensity(W/m <sup>2</sup> )	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/m<sup>2</sup> as the standard,test 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 (%)	I <sub>mpp</sub> (A)	I <sub>mpp</sub> (A)	P <sub>mpp</sub> (W)	U <sub>mpp</sub> (V)	I <sub>mpp</sub> (A)	U <sub>oc</sub> (V)	I <sub>sc</sub> (A)
TW-157P-190	≥19.00%	8.20	\	4.67	0.548	8.513	0.645	9.024
TW-157P -189	18.90%	8.20	\	4.64	0.547	8.489	0.644	9.003
TW-157P -188	18.80%	8.20	\	4.62	0.546	8.461	0.643	8.991
TW-157P -187	18.70%	8.20	\	4.59	0.544	8.440	0.641	8.977
TW-157P -186	18.60%	8.20	\	4.57	0.543	8.424	0.640	8.958
TW-157P -185	18.50%	8.15	\	4.55	0.541	8.406	0.638	8.936
TW-157P -184	18.40%	8.15	\	4.52	0.539	8.382	0.637	8.920
TW-157P -183	18.30%	8.15	\	4.50	0.538	8.362	0.636	8.907
TW-157P -182	18.20%	8.10	\	4.47	0.535	8.351	0.634	8.892
TW-157P -181	18.10%	8.10	\	4.45	0.534	8.333	0.633	8.880

STC (Standard Testing Conditions):1000W/m<sup>2</sup>, AM1.5, 25°C.