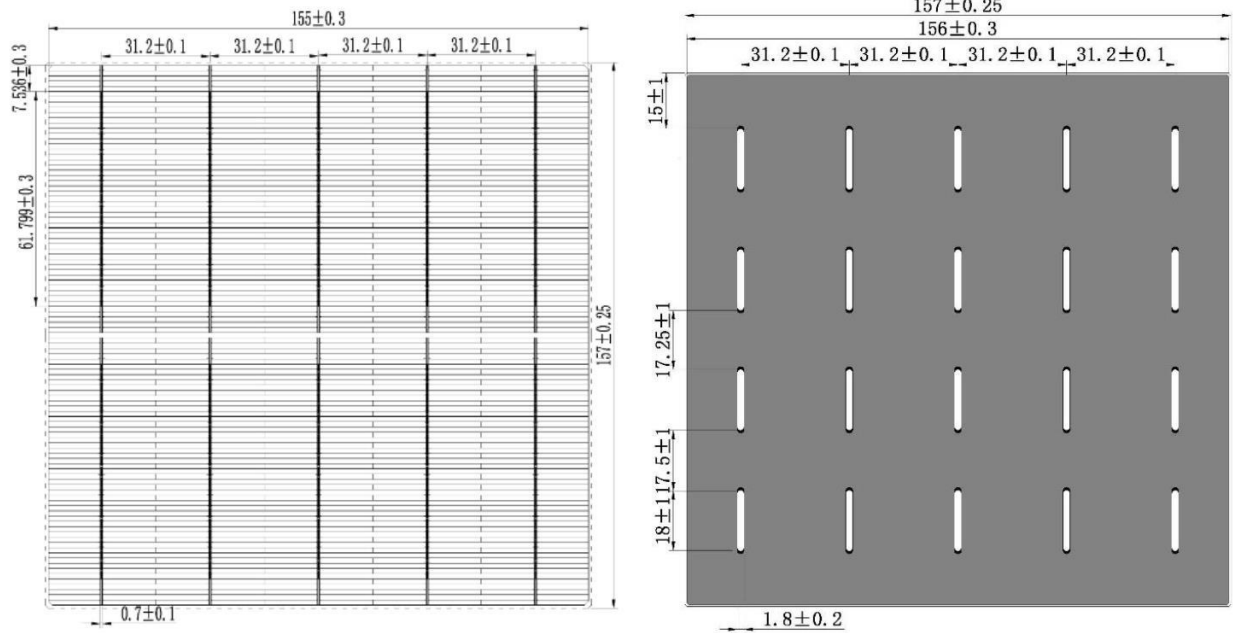




Suzhou Sunergy Technology Co.,Ltd.

P157B 5BB Poly-silicon Solar Cell 157MM

Apperance Description



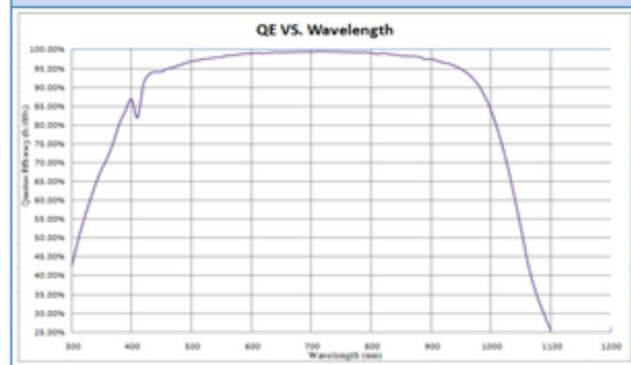
Mechanical Data and Design

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

TEMPERATURE COEFFICIENTS

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

SPECTRAL RESPONSE(QE)

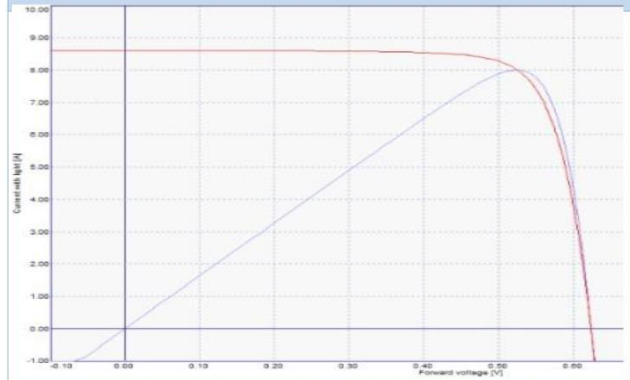


Light Intensity Reliability

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

VOC (ISC) measured by 1000W / m2 as standard, to test the decreasing range of VOC (ISC) 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 _{mpp} (A)	I _{mpp} (A)	P _{mpp} (W)	U _{mpp} (V)	I _{mpp} (A)	U _{oc} (V)	I _{sc} (A)
GSE-157P-190	≥19.00%	8.20	\	4.67	0.548	8.513	0.645	9.024
GSE-157P -189	18.90%	8.20	\	4.64	0.547	8.489	0.644	9.003
GSE-157P -188	18.80%	8.20	\	4.62	0.546	8.461	0.643	8.991
GSE-157P -187	18.70%	8.20	\	4.59	0.544	8.440	0.641	8.977
GSE-157P -186	18.60%	8.20	\	4.57	0.543	8.424	0.640	8.958
GSE -157P -185	18.50%	8.15	\	4.55	0.541	8.406	0.638	8.936
GSE-157P -184	18.40%	8.15	\	4.52	0.539	8.382	0.637	8.920
GSE-157P -183	18.30%	8.15	\	4.50	0.538	8.362	0.636	8.907
GSE-157P -182	18.20%	8.10	\	4.47	0.535	8.351	0.634	8.892
GSE-157P -181	18.10%	8.10	\	4.45	0.534	8.333	0.633	8.880

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

Specifications subjects to technical changes and tests Tongwei Solar reserves the right of final interpretation.