

# BLACK SILICON POLYCRYSTALLINE SOLAR CELL PI565B

## TECHNICAL DATA AND DESIGN

<b>Dimension</b>	156.75mm*156.75mm±0.25mm
<b>Thickness</b>	200±30 μm
<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)

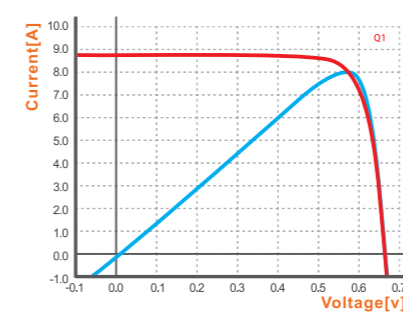
## TEMPERATURE COEFFICIENTS

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

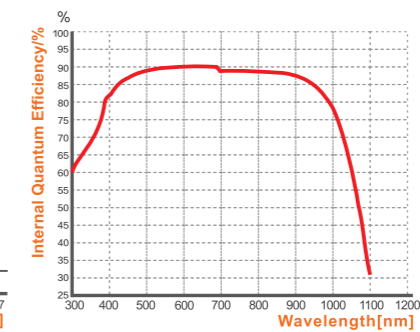
## ELECTRICAL PERFORMANCE

No.	Efficiency (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)
01	≥ 19.20%	4.72	0.546	8.637	0.643	9.140
02	19.10%	4.69	0.545	8.609	0.642	9.110
03	19.00%	4.67	0.544	8.581	0.641	9.080
04	18.90%	4.64	0.543	8.555	0.640	9.052
05	18.80%	4.62	0.542	8.526	0.639	9.023
06	18.70%	4.59	0.540	8.502	0.637	8.997
07	18.60%	4.57	0.539	8.476	0.636	8.969
08	18.50%	4.55	0.538	8.450	0.634	8.942
09	18.40%	4.52	0.536	8.429	0.633	8.919
10	18.30%	4.50	0.535	8.401	0.633	8.890

## IV CURVE



## SPECTRAL RESPONSE(QE)



## LIGHT INTENSITY DEPENDENCE

Intensity (W/m <sup>2</sup> )	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/m<sup>2</sup> as the standard, test the range of Voc(Isc) decrease with light intensity.

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

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