

## 16BB 182 Topcon Bifacial Solar Cell

(N Type Topcon Technology)

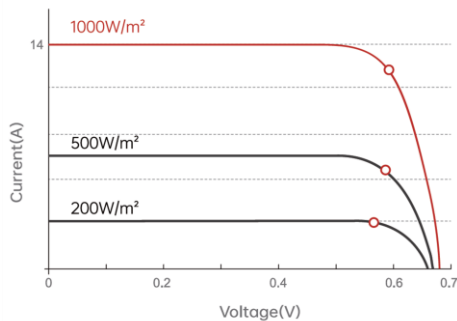
### Technical Data and Design

Dimension	182*182±0.5mm
Thickness	150±20 μm
Front (-)	16*0.036mm ± 0.02mm, busbars & 148fingers
Back (+)	1.6 *0.036mm , 16*12 soldering pads & 142fingers

### Temperature Coefficients

TkVoc (%/K)	-0.25
Tklsc (%/K)	+0.045
kPMAx (%/K)	-0.30

### IV Curve

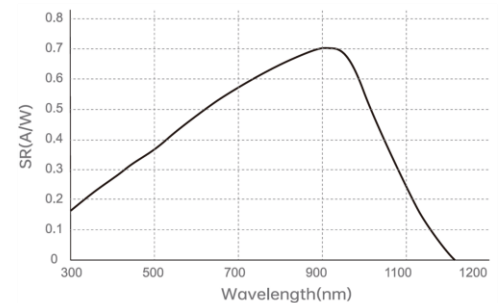


### Light Intensity Dependence

Intensity(W/m <sup>2</sup> )	Voc	Isc
1000	1.000	1.000
900	0.996	0.845
800	0.985	0.655
600	0.962	0.452
400	0.935	0.215

Take the Voc (Isc) at 1000W/m<sup>2</sup> as the standard, test the range of Voc(Isc) decrease with light intensity.

### Spectral Response



Efficiency(%)	P <sub>mpp</sub> (W)	V <sub>mpp</sub> (V)	I <sub>mpp</sub> (A)	Voc(V)	I <sub>sc</sub> (A)
25.00%	8.25	0.634	13.027	0.720	13.719
24.90%	8.22	0.632	13.016	0.719	13.699
24.80%	8.19	0.630	13.005	0.718	13.680
24.70%	8.16	0.628	12.993	0.717	13.660
24.60%	8.12	0.626	12.982	0.716	13.640
24.50%	8.09	0.624	12.971	0.715	13.620
24.40%	8.06	0.622	12.960	0.714	13.600
24.30%	8.02	0.620	12.948	0.713	13.579
24.20%	7.99	0.618	12.937	0.712	13.559
24.10%	7.96	0.616	12.925	0.711	13.538
24.00%	7.92	0.614	12.913	0.710	13.517