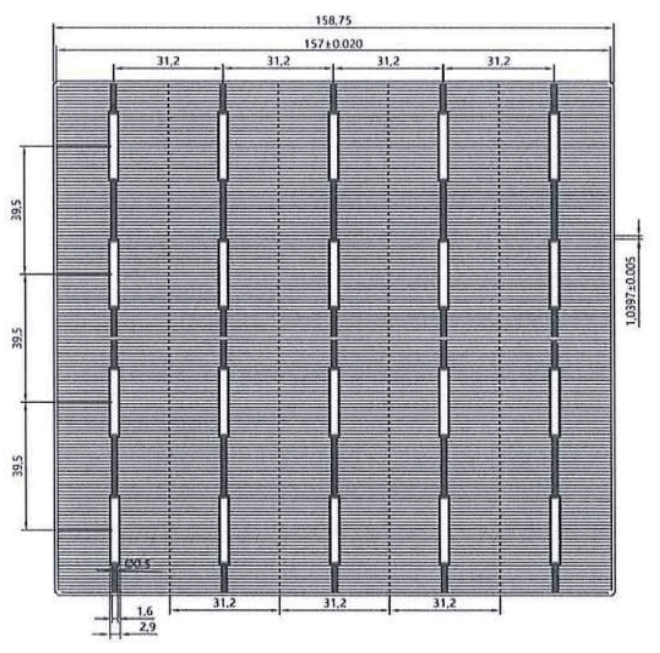
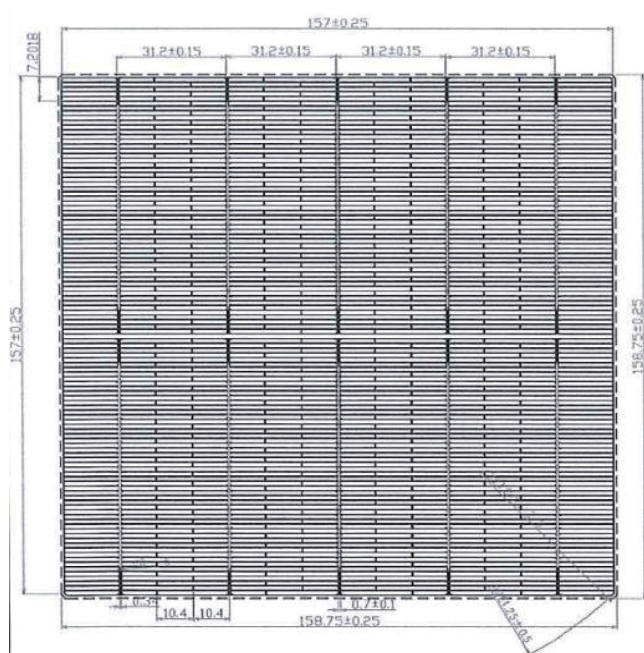


PHOTOVOLTAIC MONO PERC SOLAR CELL
 158.75-5BB MONO-CRYSTALLINE BIFACIAL PERC SOLAR CELL

Product Appearance

Front Side

Back Side

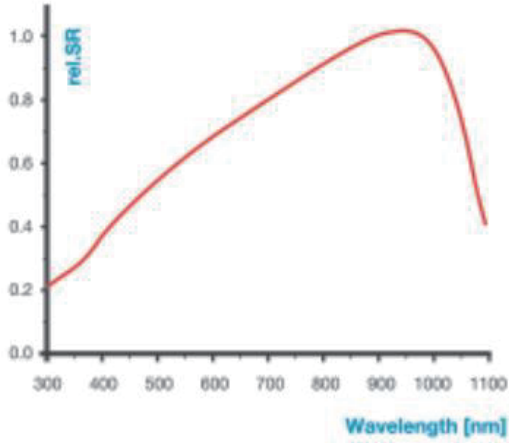
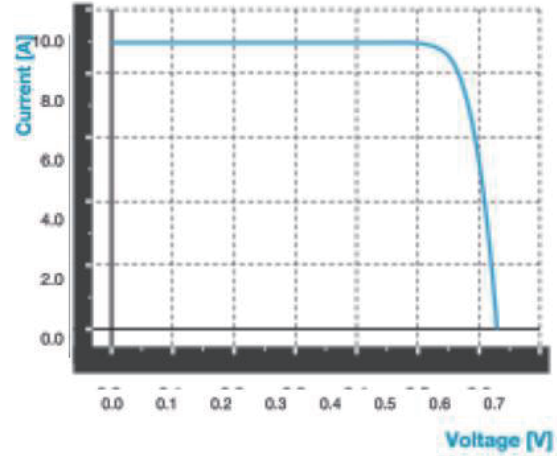


Technical Data and Design

Dimension	158.75mm*158.75mm±0.25mm
Bulk Materials	P-type monocrystalline silicon
Cell Thickness	150±17.5µm
Front side (+)	The width of busbar(AG) with 5 sections is 0.7MM, the number of the fingers(Ag) is 110, blue silicon nitride anti-reflection coating (PID free)
Back side (-)	The width of (AG) electrode is 1.6 MM, the width of the busbar (aluminium), with 5 section is 2.9-1.6MM, the number of the fingers (aluminium) is 152, blue silicon nitride anti-reflection coating.

Temperature Coefficients

Current Temperature Coefficient	TKcurrent: +0.05%/°C
Voltage Temperature Coefficient	TKvoltage: -0.32%/°C
Power Temperature Coefficient	TKpower: -0.39%/°C

Spectral Response

IV Curve

Light Intensity Reliability

Intensity (W/m ²)	1000	900	800	600	400
Uoc	1.000	1.000	0.99	0.97	0.952
Isc	1.000	0.91	0.81	0.51	0.403

Electric Performance

Eff(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
22.8	5.75	0.584	9.839	0.686	10.401	80.53
22.7	5.72	0.582	9.830	0.685	10.392	80.37
22.6	5.70	0.581	9.803	0.684	10.381	80.21
22.5	5.67	0.579	9.794	0.683	10.365	80.10
22.4	5.65	0.577	9.784	0.681	10.354	80.06
22.3	5.62	0.575	9.774	0.679	10.347	79.99
22.2	5.59	0.574	9.747	0.678	10.332	79.87
22.1	5.57	0.572	9.737	0.677	10.328	79.66
22.0	5.54	0.571	9.710	0.676	10.321	79.47
21.9	5.52	0.570	9.683	0.676	10.311	79.18
21.8	5.49	0.569	9.656	0.675	10.285	79.14

 Standard test conditions: 1000W/m², AM1.5, 25°C

The above technical parameters are subject to technical changes and tests, and Sunergy Tech reserves the right of final interpretation.