

POLY SOLAR CELL

3BB POLYCRYSTALLINE CELL

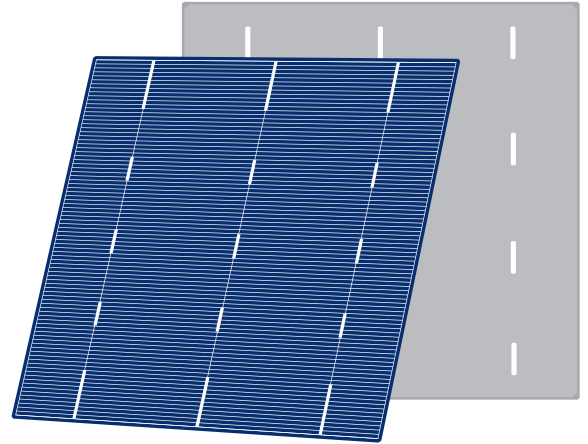
156mm×156mm

Mechanical Data and Design

Format	156mm×156mm±0.5mm
Thickness	180μm±20μm or 200μm±30μm
Front(-)	1.4mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2.0mm wide soldering pads(silver) back surface filed(Aluminum)

Temperature Coefficients

TkVoltage	-0.37%/K
TkCurrent	+0.08%/K
TkPower	-0.36%/K



No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
15	18.20-18.30	4.44	0.539	8.238	0.639	8.788	79.07
14	18.10-18.20	4.41	0.537	8.213	0.638	8.764	78.94
13	18.00-18.10	4.38	0.535	8.181	0.636	8.731	78.87
12	17.90-18.00	4.36	0.534	8.156	0.635	8.687	78.86
11	17.80-17.90	4.33	0.532	8.134	0.634	8.666	78.77
10	17.70-17.80	4.31	0.531	8.111	0.633	8.644	78.69
09	17.60-17.70	4.29	0.530	8.088	0.632	8.623	78.60
08	17.50-17.60	4.26	0.528	8.067	0.631	8.604	78.50
07	17.40-17.50	4.24	0.526	8.049	0.629	8.587	78.41
06	17.30-17.40	4.21	0.524	8.032	0.627	8.569	78.35
05	17.20-17.30	4.19	0.523	8.010	0.626	8.547	78.29
04	17.10-17.20	4.16	0.521	7.989	0.624	8.526	78.23
03	17.00-17.10	4.14	0.520	7.960	0.623	8.502	78.11
02	16.90-17.00	4.11	0.517	7.950	0.620	8.491	78.08
01	16.80-16.90	4.09	0.516	7.938	0.619	8.479	78.04

* Data under standard testing conditions(STC): 1,000W/m², AM1.5, Temperature 25°C, Pmax: positive power tolerance.

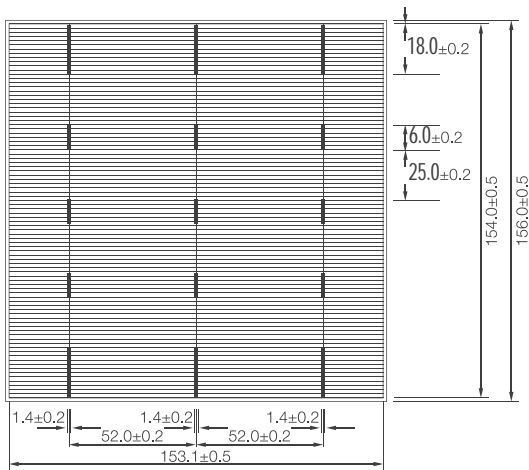
* ISO 9001, ISO14001 and OHSAS 18001 certificated.

* Specifications subjects to technical changes and tests, Shenzhen Fenix Solar Co.,Ltd reserves the rights of final interpretation.

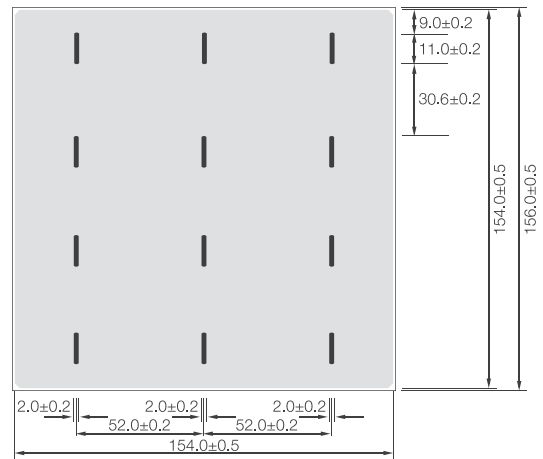
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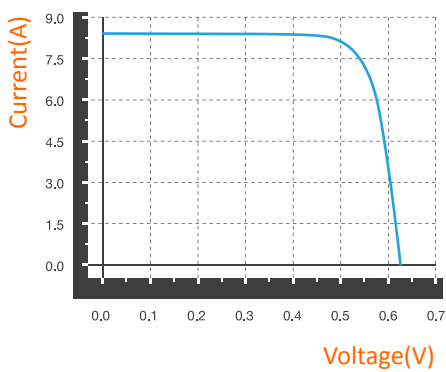
Front Reference



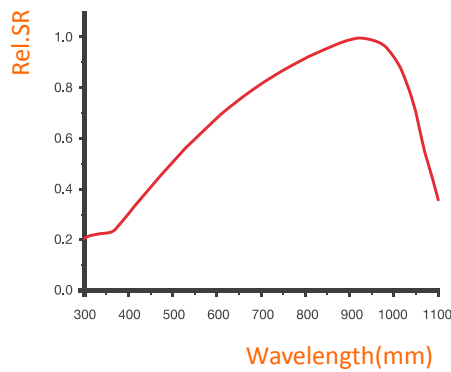
Back Reference



IV Curve



Spectral Response



Intensity Dependence

W/m ²	Isc	Voc	Pmpp
1000	1.00	1.00	1.00
900	0.90	1.00	0.90
800	0.80	0.99	0.80
500	0.50	0.96	0.49
300	0.30	0.93	0.29
200	0.20	0.92	0.19

Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000W/m².

Package: Typical package for one carton contains 1,200 cells, the cells are sealed in cellbox every 100 pcs.

Gross weight per unit carton shall be around 15.6Kgs.