

MONO SOLAR CELL

3BB MONOCRYSTALLINE CELL

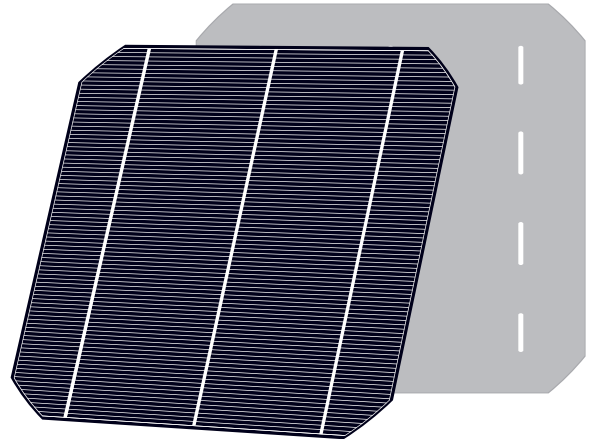
156mm×156mm

Mechanical Data and Design

Format	156mm×156mm±0.5mm
Thickness	180μm±20μm or 200μm±30μm
Front(-)	1.5mm bus bars(silver), dark blue anti-reflecting coating(silicon nitride)
Back(+)	2.5mm wide soldering pads(silver) back surface filed(Aluminum)

Temperature Coefficients

TkVoltage	-0.33%/K
TkCurrent	+0.04%/K
TkPower	-0.43%/K



No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
13	19.60-19.70	4.68	0.547	8.556	0.648	9.120	79.19
12	19.50-19.60	4.66	0.546	8.535	0.647	9.100	79.15
11	19.40-19.50	4.64	0.545	8.514	0.646	9.078	79.12
10	19.30-19.40	4.61	0.544	8.474	0.645	9.048	78.99
09	19.20-19.30	4.59	0.543	8.453	0.644	9.033	78.90
08	19.10-19.20	4.57	0.541	8.447	0.643	9.025	78.75
07	19.00-19.10	4.54	0.540	8.407	0.643	9.022	78.26
06	18.90-19.00	4.52	0.538	8.401	0.642	9.019	78.06
05	18.80-18.90	4.49	0.536	8.377	0.642	9.016	77.57
04	18.70-18.80	4.47	0.535	8.355	0.641	9.013	77.37
03	18.60-18.70	4.45	0.533	8.349	0.641	9.010	77.05
02	18.50-18.60	4.42	0.532	8.309	0.640	9.007	76.67
01	18.40-18.50	4.40	0.531	8.287	0.640	9.004	76.36

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

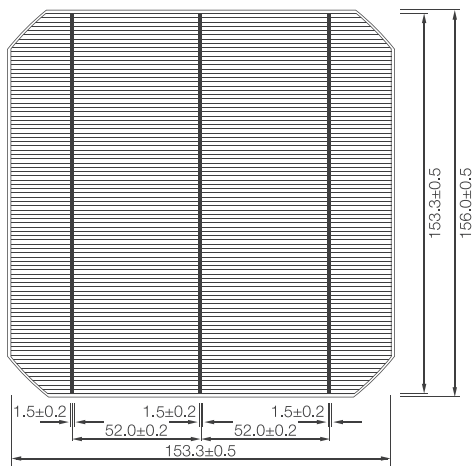
* ISO 9001, ISO14001 and OHSAS 18001 certificated.

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

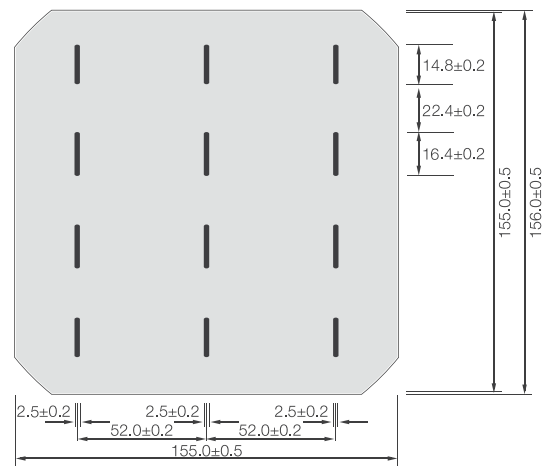
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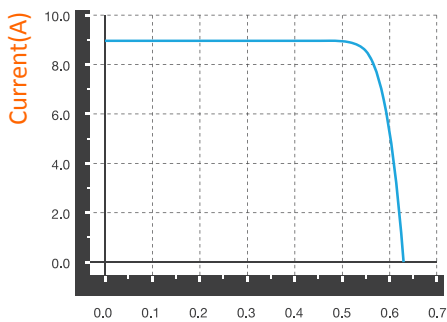
Front Reference



Back Reference

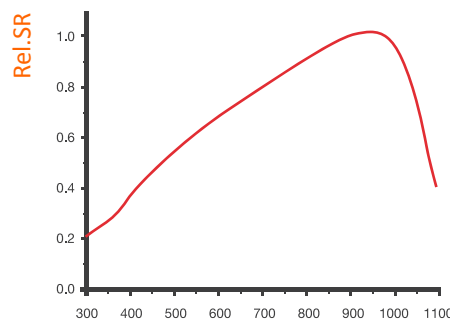


IV Curve



Voltage(V)
Current(A)

Spectral Response



Wavelength(nm)
Rel.SR

Intensity Dependence

W/m ²	Isc	Voc	Pmpp
1000	1.00	1.00	1.00
900	0.90	0.99	0.89
800	0.80	0.99	0.79
500	0.50	0.96	0.48
300	0.30	0.97	0.29
200	0.20	0.93	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.