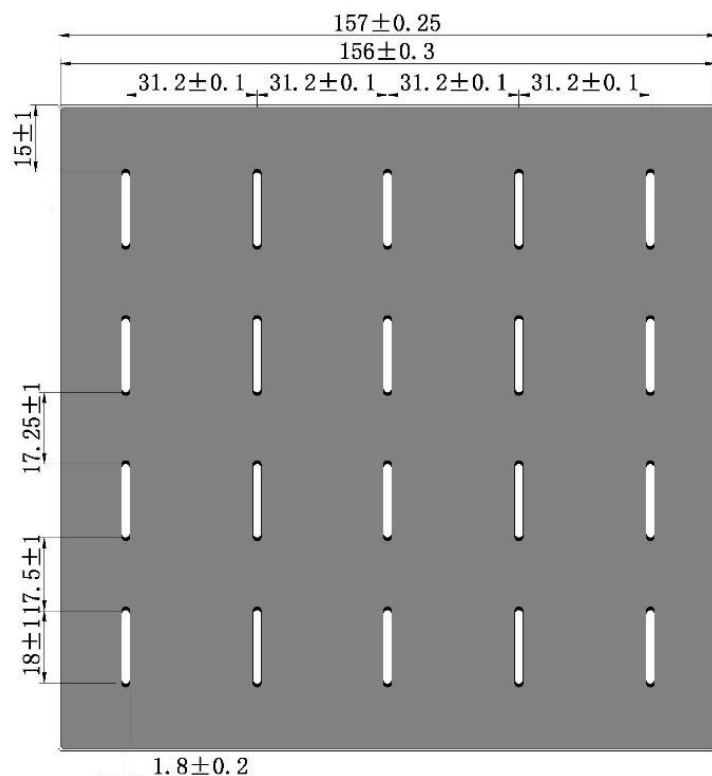
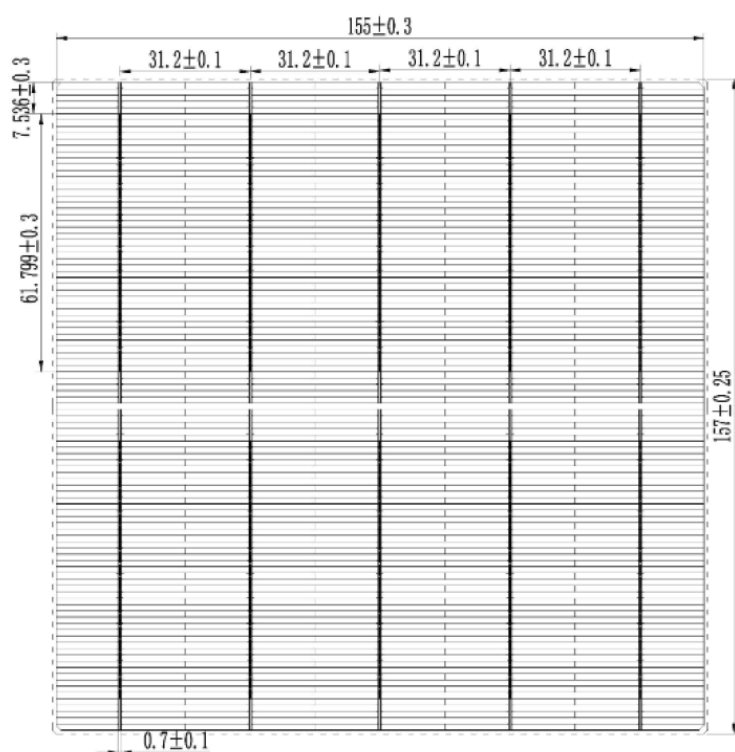


# HD SOLAR

Polycrystalline silicon 157×157mm 5BB solar cells



## MECHANICAL DATA AND DESIGN

Format	157mm×157mm±0.25mm
Thickness	200μm±20μm
Front(-)	Silicon nitride anti-reflection film
	Width of busbar 0.7mm
Back(+)	Al-back surface field(AI-BSF)
	Width 1.8mm

## TEMPERATURE COEFFICIENTS

TkVoltage	-0.36%/K
TkCurrent	+0.07%/K
TkPower	-0.38%/K

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 Specifications subject to technical changes 7.2019 HD Solar

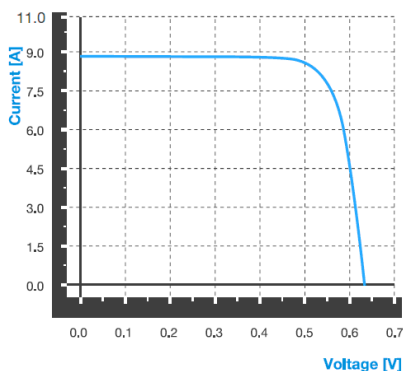
# HD SOLAR

Polycrystalline silicon 157×157mm 5BB solar cells

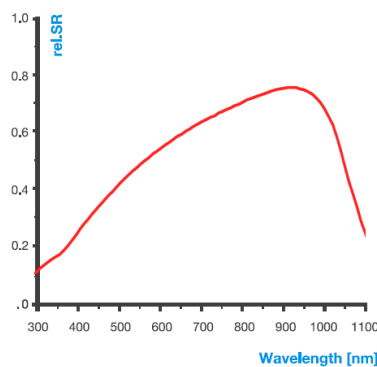
HD SOLAR Poly 6" 5 bus bar Cells. Manufacturing modules with more than **270wp(6×10)** and **320wp(6×12)** power output becomes easier

Efficiency(%)	Pmpp(w)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)
19.00	4.67	0.559	8.350	0.650	9.010
18.90	4.64	0.557	8.330	0.648	8.990
18.80	4.62	0.555	8.320	0.646	8.970
18.70	4.59	0.553	8.300	0.644	8.950
18.60	4.57	0.551	8.290	0.642	8.930
18.50	4.55	0.549	8.290	0.640	8.910
18.40	4.52	0.540	8.370	0.637	8.898

IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m <sup>2</sup> ]	Isc*	Voc*	Pmpp
1000	1.00	1.00	1.00
900	0.90	0.99	0.90
800	0.80	0.99	0.79
500	0.50	0.97	0.49
300	0.30	0.94	0.29
200	0.20	0.91	0.19

\*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m<sup>2</sup>

Specifications subjects to technical changes and tests. HD Solar reserves the right of final interpretation.

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