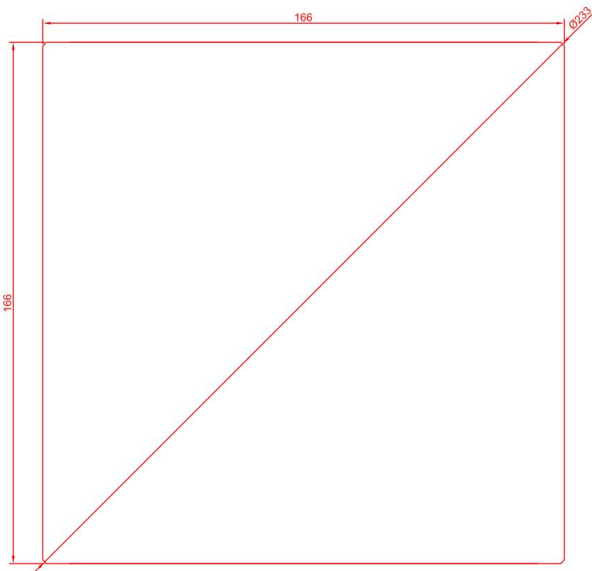
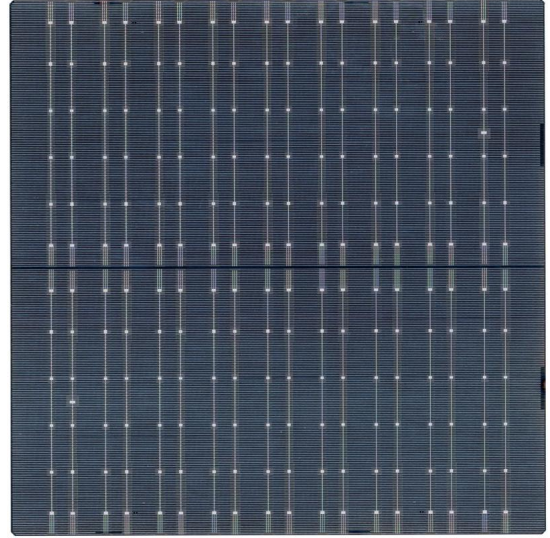
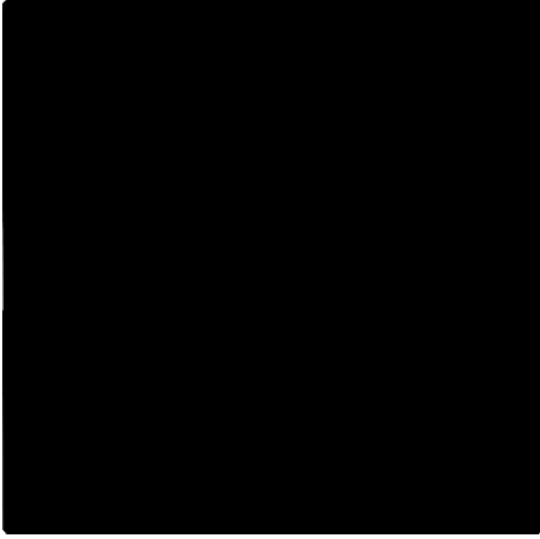


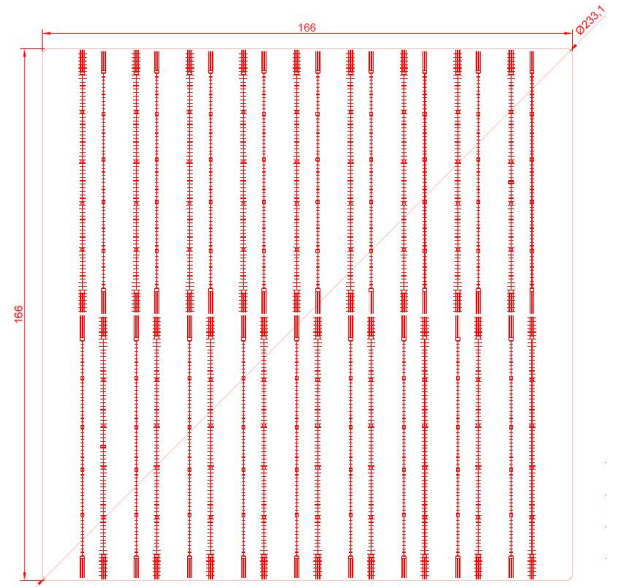
HD SOLAR

IBC

N TYPE Monocrystalline silicon M6 9BB solar cells



Front side



Back side

MECHANICAL DATA AND DESIGN

Format	166mm×166mm±0.25mm
Diameter	223±0.25mm(round chamfers)
Thickness	150µm±20µm
Front(-)	Without grid line,blue anti-reflection Coating(Silicon nitride)
Back(+)	0.2mm 9 busbars(silver),blue anti-reflection Coating(Silicon nitride)

TEMPERATURE COEFFICIENTS

TK Voltage	-0.268%/K
TK Current	+0.042%/K
TK Power	-0.300%/K

Product Feature

High conversion efficiency up to 25.50%.

Non Light Induced Degradation(LID),No light-induced degradation,Uniform cell performance with stable process control, Excellent power generation performance under low irradiation, low hot spot effect low Hot spot risk, No optical shading from metal grid on front side.

Quality Control

The accuracy of the efficiency test is controlled at $\pm 0.1\%$

IV/EL /Appearance 100% automatic inspection

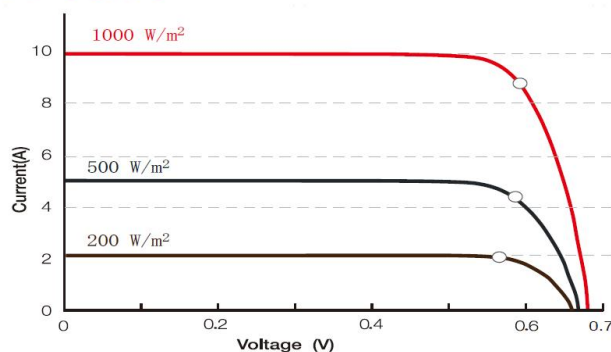
Calibration cell source to fraunhofer ISE

Efficiency(%)	Pmpp(W)	Ump(V)	Ipp(A)	Uoc(V)	Isc(A)	FF(%)
25.50	7.03	0.620	11.276	0.723	11.744	82.33
25.40	7.00	0.619	11.249	0.722	11.735	82.19
25.30	6.97	0.618	11.223	0.721	11.730	82.01
25.20	6.94	0.617	11.197	0.720	11.723	81.85
25.10	6.92	0.617	11.153	0.720	11.702	81.85
25.00	6.89	0.616	11.126	0.719	11.689	81.55
24.90	6.86	0.615	11.100	0.718	11.681	81.39
24.80	6.83	0.615	11.055	0.718	11.659	81.22
24.70	6.81	0.614	11.029	0.717	11.648	81.08
24.60	6.78	0.613	11.002	0.716	11.645	80.89
24.50	6.75	0.612	10.975	0.715	11.644	80.67

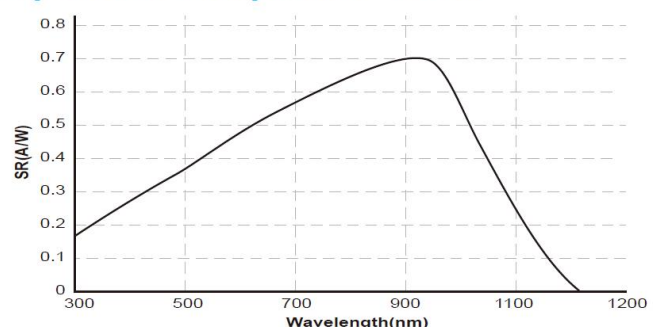
Standard test conditions:1000w/m²,AM 1.5 , 25 °C

Specifications and data are only for reference

IV Curve



Spectral Response (SR)



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

Specifications subject to technical changes 9.2024 HD Solar

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