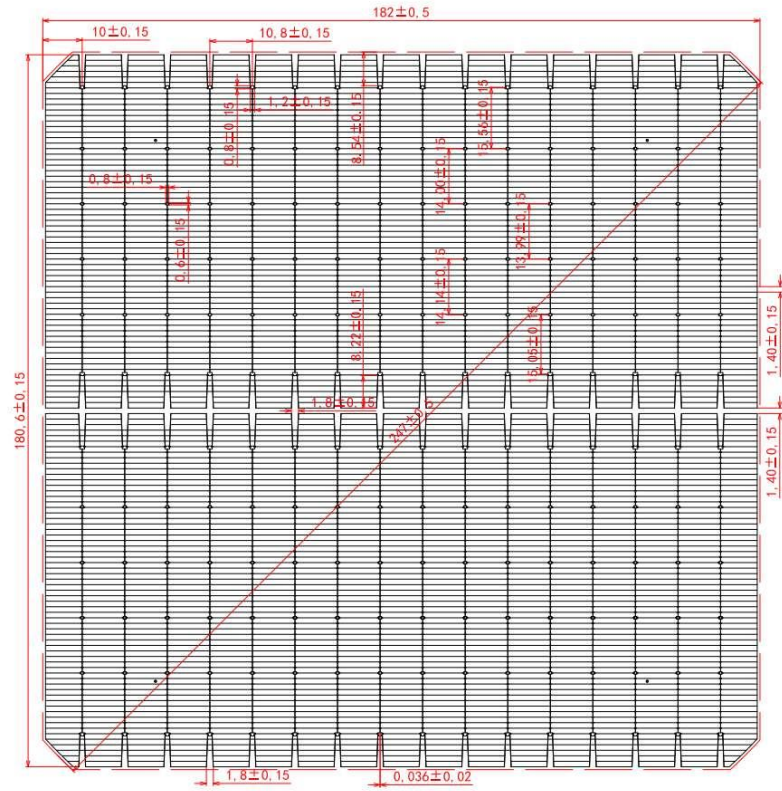
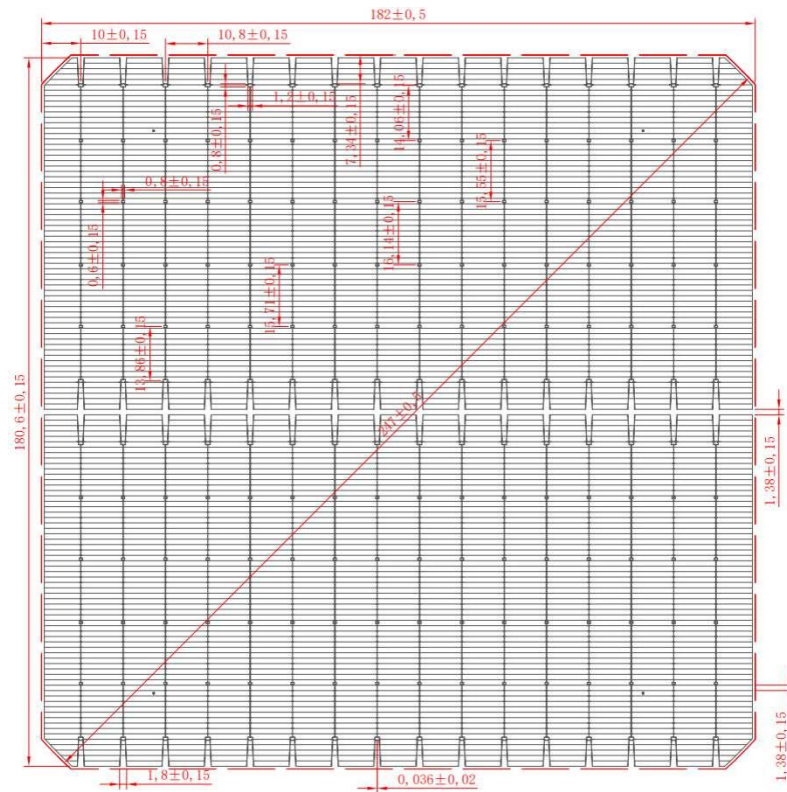


HD SOLAR

N Type BIFACIAL M10
Monocrystalline silicon 182 16BB

Front side

Back side



MECHANICAL DATA AND DESIGN

Format	182mm×182mm±0.25mm
Diameter	247±0.25mm
Thickness	140μm±12μm
Front(-)	0.036±0.015mm wide bus bar. 132 finger grids Silicon anti-reflection coating
Back(+)	0.036±0.015mm side bus bars, 130 finger grids Silicon nitride coating

TEMPERATURE COEFFICIENTS

Voltage	-0.36%/K
Current	+0.07%/K
Power	-0.32%/K

Product Feature

- High conversion efficiency up to 25.50%
- Bifaciality ≥ 85%
- “0” LID(Light Induced Degradation)
- High resistance of PID(Potential Induced Degradation)
- Power temperature coefficient ≤-0.35%/°C
- Weak light response (200w/m²)≥97%
- Lower CTM loss,better for the high efficiency module

Quality Control

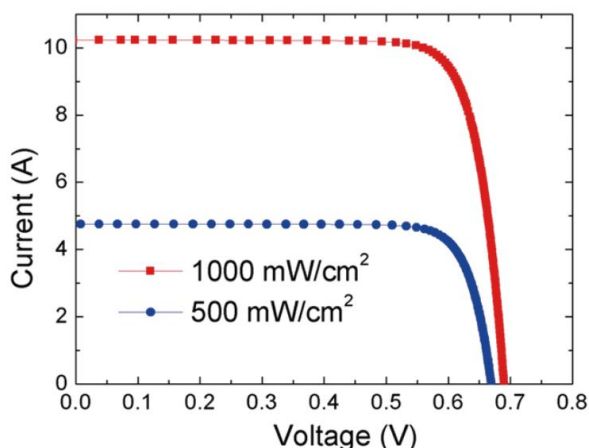
- Efficiency test accuracty is ±0.1%
- 100% automatic inspection of IV/EL/Appearance
- Calibration cell Soure to Fraunhofer ISE

Efficiency(%)	Pmpp(W)	Ump(v)	Imp(A)	Uoc(V)	Isc(A)
25.50%	8.42	0.6168	13.651	0.7178	14.218
25.40%	8.38	0.6159	13.606	0.7169	14.183
25.30%	8.35	0.6150	13.577	0.7160	14.148
25.20%	8.32	0.6141	13.553	0.7151	14.113
25.10%	8.29	0.6131	13.518	0.7141	14.078
25.00%	8.25	0.6122	13.475	0.7132	14.035
24.90%	8.22	0.6114	13.440	0.7124	14.000
24.80%	8.19	0.6106	13.405	0.7116	13.965
24.70%	8.16	0.6097	13.930	0.7107	13.930
24.60%	8.12	0.6089	13.895	0.7099	13.895
24.50%	8.09	0.6081	13.860	0.7091	13.860
24.40%	8.06	0.6073	13.825	0.7083	13.825
24.30%	8.02	0.6065	13.790	0.7075	13.790
24.20%	7.99	0.6059	13.195	0.7069	13.755
24.10%	7.96	0.6054	13.155	0.7064	13.715
24.00%	7.92	0.6040	13.115	0.7050	13.675
23.90%	7.89	0.6032	13.080	0.7042	13.640
23.80%	7.86	0.6024	13.055	0.7034	13.615

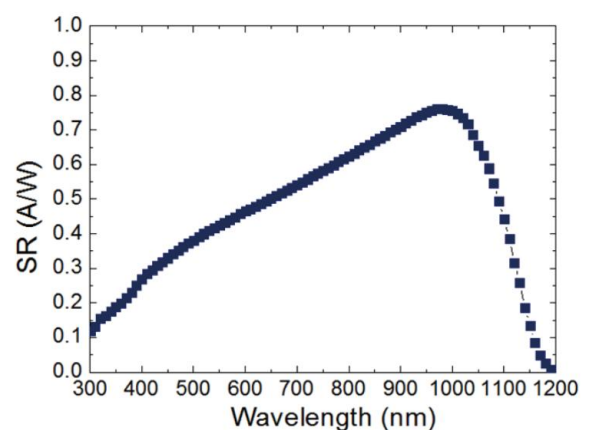
*Under standard test condition: Irradiance=1000W/ m², Ambient Temperature=25°C, AM=1.5

Specifications and data are for reference only. If there is any change, notice will be given separately

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 3.2023 HD Solar](#)

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