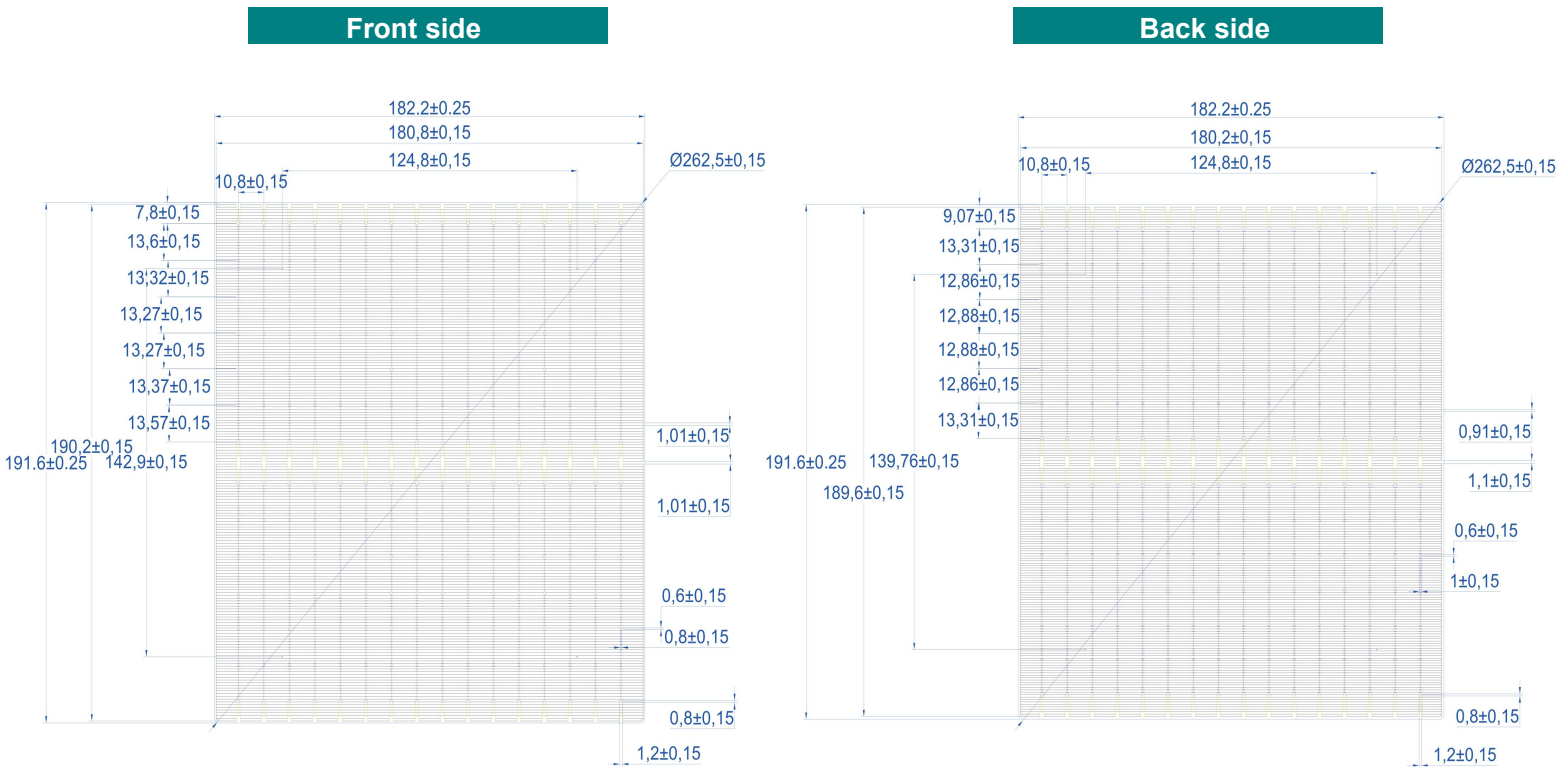


HD SOLAR

N Type BIFACIAL M10R
Monocrystalline silicon 182.2*191.6 16BB



MECHANICAL DATA AND DESIGN

Format	182.2mm×191.6mm±0.25mm	Voltage	-0.36%/K
Diameter	262.5±0.25mm	Current	+ 0.07%/K
Thickness	135µm±15µm	Power	-0.32%/K
Front(-)	0.036± 0.015mm wide bus bar. 190 finger grids Silicon anti-reflection coating		
Back(+)	0.03±0.015mm side bus bars, 210 finger grids Silicon nitride coating		

TEMPERATURE COEFFICIENTS

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

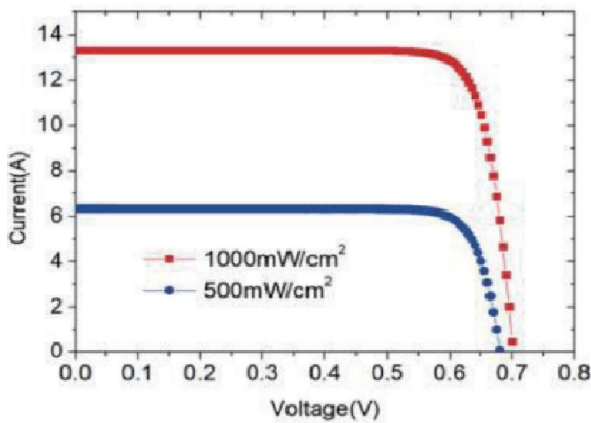
- Efficiency test accuracty is ±0.1%
- 100% automatic inspection of IV/EL/Appearance
- Calibration cell Soure to Fraunhofer ISE

Efficiency(%)	Pmpp(W)	Umpp(v)	Impp(A)	Uoc(V)	Isc(A)	FF%
25.50%	8.90	0.631	14.106	0.726	14.536	84.34
25.40%	8.87	0.631	14.051	0.725	14.479	84.46
25.30%	8.83	0.629	14.040	0.725	14.470	84.18
25.20%	8.80	0.628	14.007	0.723	14.448	84.21
25.10%	8.76	0.627	13.974	0.721	14.423	84.25
25.00%	8.73	0.624	13.985	0.719	14.412	84.22
24.90%	8.69	0.623	13.951	0.718	14.393	84.10
24.80%	8.66	0.622	13.918	0.717	14.398	83.85
24.70%	8.62	0.620	13.906	0.715	14.373	83.90
24.60%	8.59	0.620	13.850	0.714	14.328	83.94
24.50%	8.55	0.618	13.838	0.714	14.323	83.62
24.40%	8.52	0.617	13.804	0.713	14.305	83.50
24.30%	8.48	0.617	13.747	0.712	14.284	83.40
24.20%	8.45	0.616	13.713	0.712	14.234	83.35
24.10%	8.41	0.615	13.672	0.711	14.212	83.25

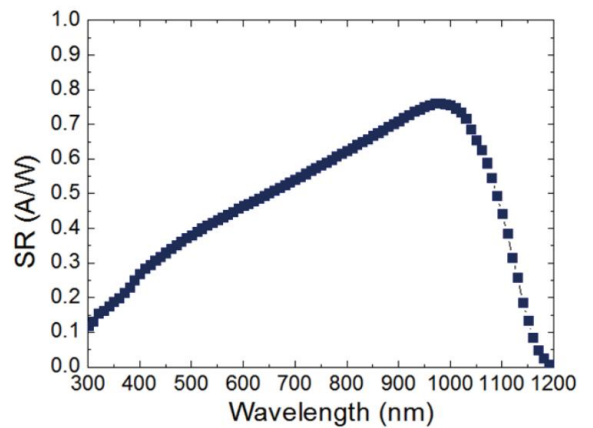
*Under standard test condition: Irradiance=1000W/ m², Ambient Temperature=25°C, AM=1.5

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 5.2024 HD Solar

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