

MECHANICAL DATA AND DESIGN

Format	182mm×210mm±0.5mm	Voltage	-0.25%/K
Diameter	259.27±0.5mm	Current	+ 0.045%/K
Thickness	135μm±13.5μm	Power	-0.30%/K
Front(-)	0.036± 0.02mm wide bus bar. 210 finger grids Silicon anti-reflection coating		
Back(+)	0.036±0.02mm side bus bars, 228 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

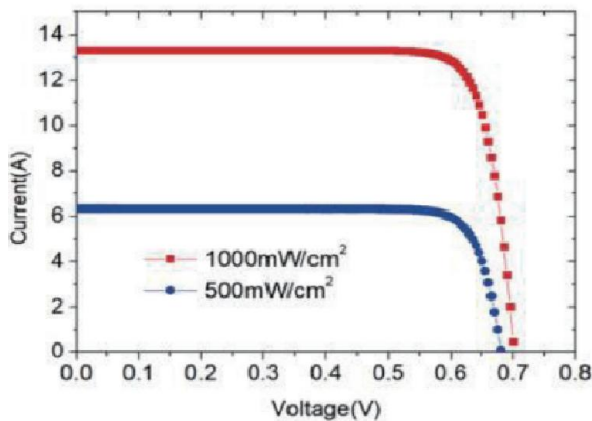
- Efficiency test accuracty is ±0.1%
- 100% automatic inspection of IV/EL/Appearance
- Calibration cell Soure to Fraunhofer ISE

Efficiency(%)	Pmpp(W)	Ump(A)	Imp(A)	Uoc(v)	Isc(V)	FF
25.50%	9.74	0.616	15.805	0.725	16.068	83.625
25.40%	9.70	0.614	15.791	0.724	16.034	83.521
25.30%	9.66	0.614	15.741	0.724	16.011	83.416
25.20%	9.62	0.612	15.720	0.723	15.981	83.312
25.10%	9.58	0.611	15.680	0.722	15.951	83.207
25.00%	9.55	0.610	15.660	0.721	15.934	83.103
24.90%	9.51	0.609	15.621	0.720	15.899	83.028
24.80%	9.47	0.607	15.600	0.720	15.864	82.953
24.70%	9.43	0.606	15.560	0.719	15.835	82.879
24.60%	9.39	0.605	15.527	0.718	15.799	82.808
24.50%	9.36	0.604	15.503	0.717	15.770	82.729
24.40%	9.32	0.602	15.480	0.716	15.736	82.655
24.30%	9.28	0.601	15.440	0.716	15.708	82.580
24.20%	9.24	0.600	15.407	0.715	15.671	82.505
24.10%	9.20	0.599	15.367	0.714	15.639	82.431

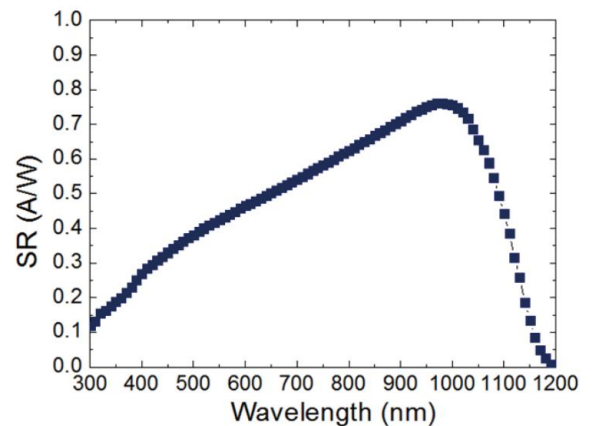
*Under standard test condition: Irradiance=1000W/ m², Ambient Temperature=25°C, AM=1.5

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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