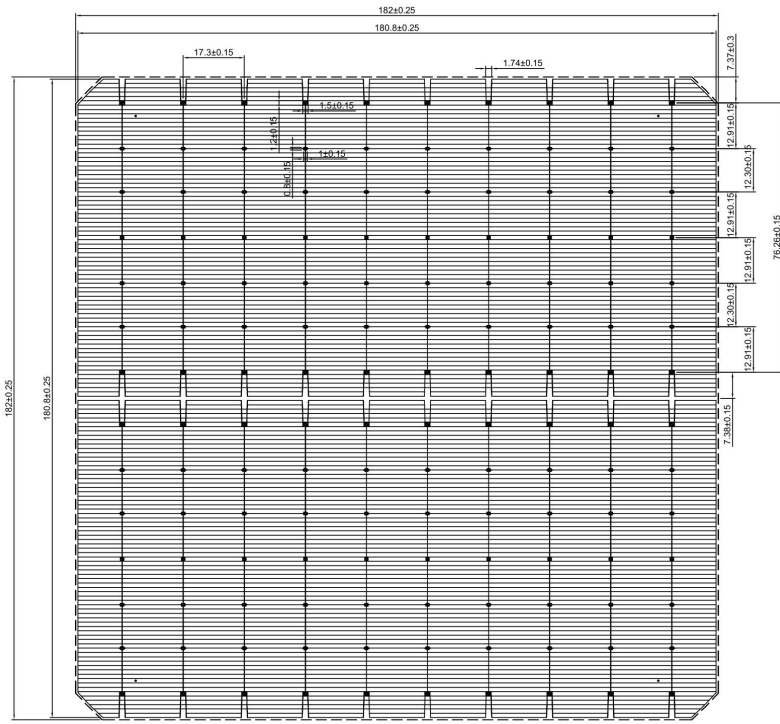


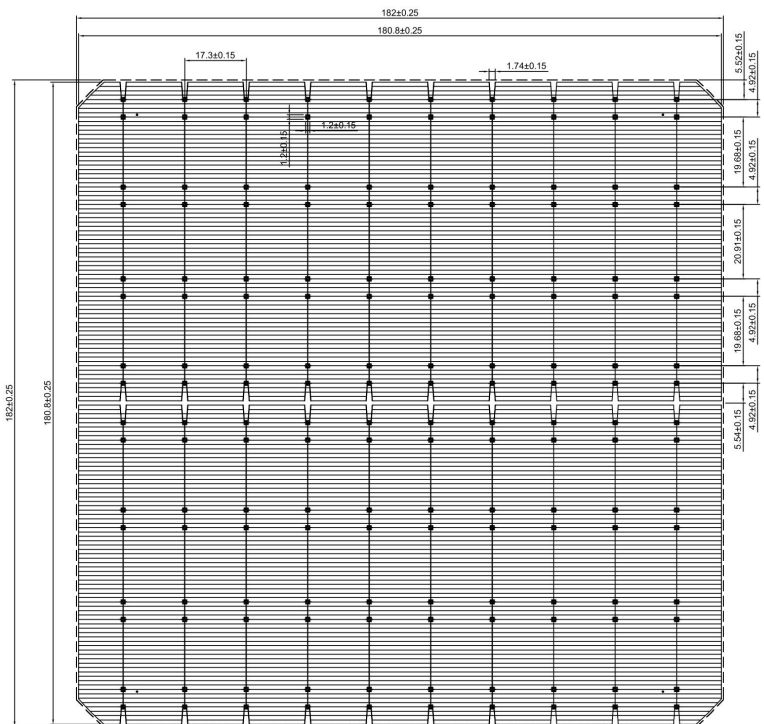
HD SOLAR

N Type BIFACIAL M10
Monocrystalline silicon 182 10BB

Front side



Back side



MECHANICAL DATA AND DESIGN

Format	182mm×182mm±0.25mm
Diameter	247±0.25mm
Thickness	170μm±20μm
Front(-)	0.06± 0.03mm wide bus bar, 146 finger grids Silicon anti-reflection coating
Back(+)	0.06±0.03mm side bus bars, 146 finger grids Silicon nitride coating

TEMPERATURE COEFFICIENTS

Voltage	-0.25%/K
Current	+ 0.045%/K
Power	-0.32%/K

Product Feature

- High conversion efficiency up to 24.5%
- Bifaciality ≥ 80%
- “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

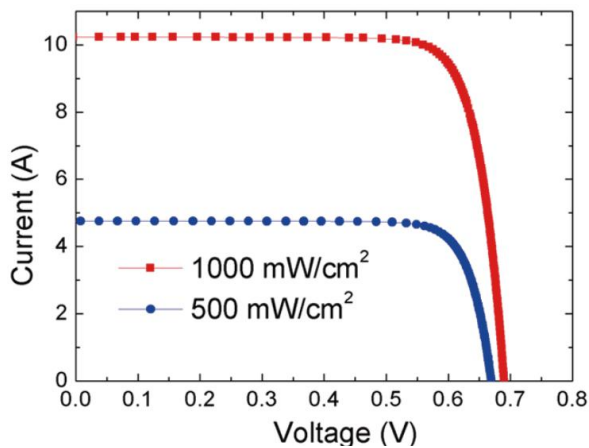
Efficiency test accuracy is $\pm 0.1\%$
100% automatic inspection of IV/EL/Appearance
Calibration cell Source to Fraunhofer ISE

Efficiency(%)	Pmpp(W)	Ump(v)	Imp(A)	Uoc(V)	Isc(A)	FF(%)
24.5%	8.09	0.625	12.942	0.710	13.613	83.69
24.4%	8.06	0.623	12.930	0.709	13.601	83.54
24.3%	8.02	0.621	12.919	0.708	13.590	83.38
24.2%	7.99	0.619	12.907	0.707	13.579	83.22
24.1%	7.96	0.617	12.896	0.706	13.568	83.06
24.0%	7.92	0.613	12.926	0.705	13.560	82.88
23.9%	7.89	0.612	12.893	0.704	13.555	82.69
23.8%	7.86	0.611	12.860	0.703	13.550	82.49
23.7%	7.82	0.609	12.848	0.702	13.545	82.29
23.6%	7.79	0.607	12.836	0.701	13.539	82.09
23.5%	7.76	0.605	12.824	0.700	13.534	81.89

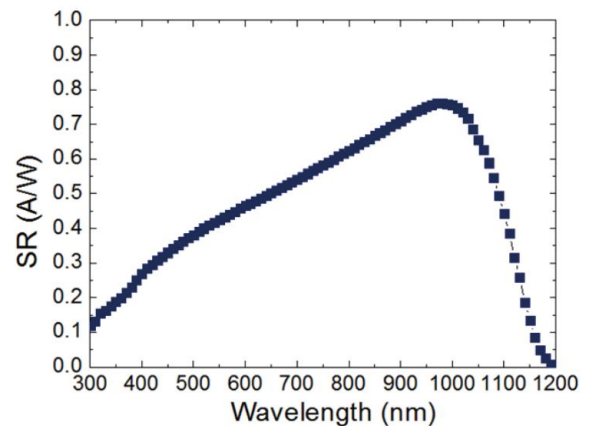
*Under standard test condition: Irradiance=1000W/ m², Ambient Temperature=25°C, AM=1.5 Illustration:23.1% → Actual Range: 23.1%~23.2%

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 8.2021 HD Solar

**HD SOLAR POWER
LIMITED**

Tel:86-18688922286

Email:hdosolar@hdosolar.com

Http://www.hdosolar.com