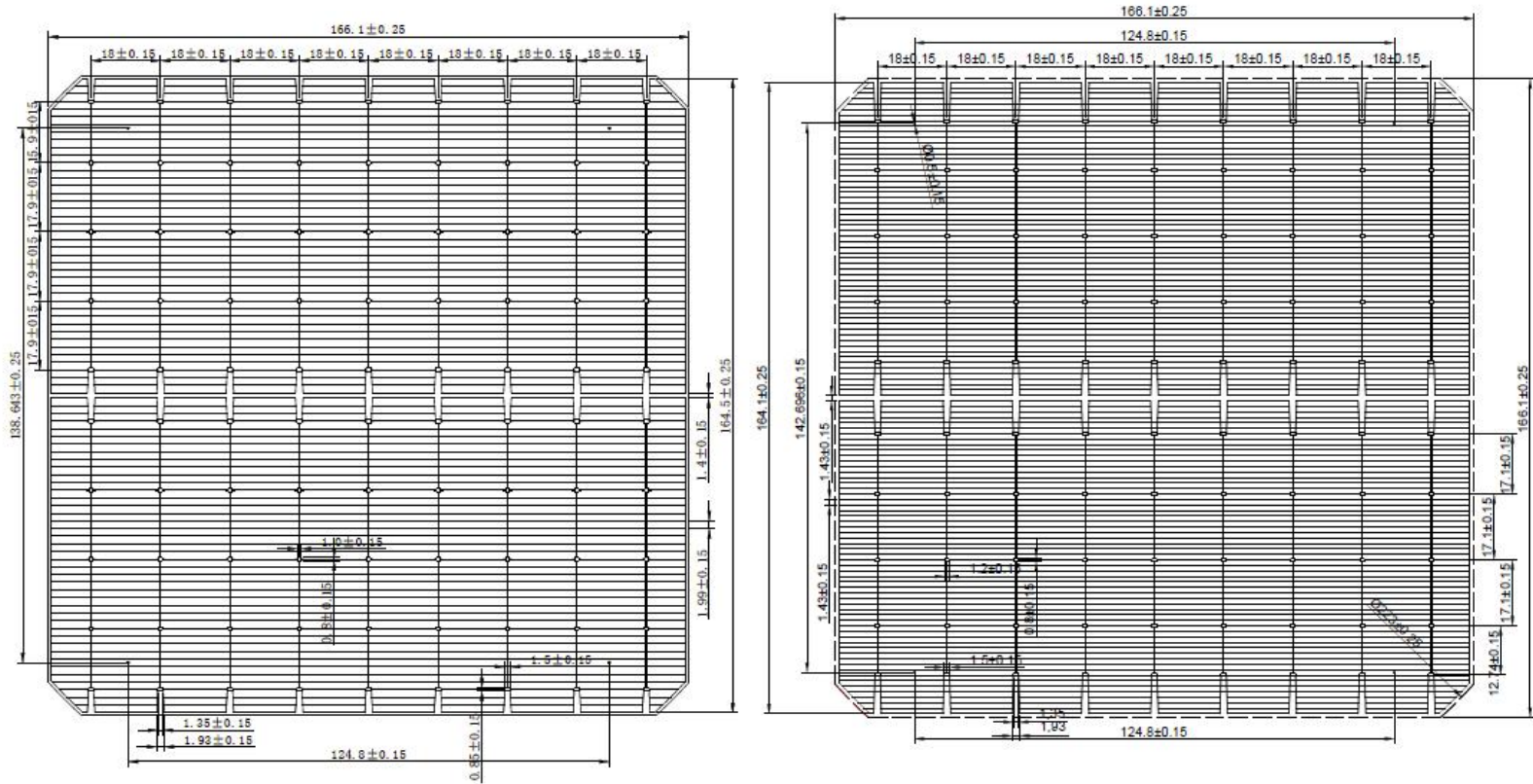


HD SOLAR

N Type BIFACIAL
Monocrystalline silicon 166 9BB

Front side

Back side



MECHANICAL DATA AND DESIGN

Format	166mm×166mm±0.25mm
Diameter	223±0.25mm
Thickness	155μm±20μm
Front(-)	0.05mm wide bus bar. Silicon anti-reflection coating
Back(+)	0.05mm side bus bars, Silicon nitride coating

TEMPERATURE COEFFICIENTS

Voltage	-0.26%/K
Current	+ 0.046%/K
Power	-0.32%/K

Product Feature

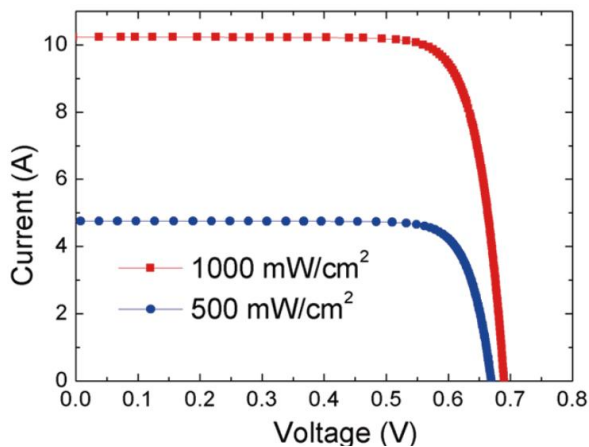
- High conversion efficiency up to 24.4%
- Bifaciality ≥ 80%
- “0” LID(Light Induced Degradation)
- High resistance of PID(Potential Induced Degradation)
- Power temperature coefficient ≤-0.35%/°C
- Weak light response (200w/m²)≥97%
- Lower CTM loss,better for the high efficiency module

Quality Control

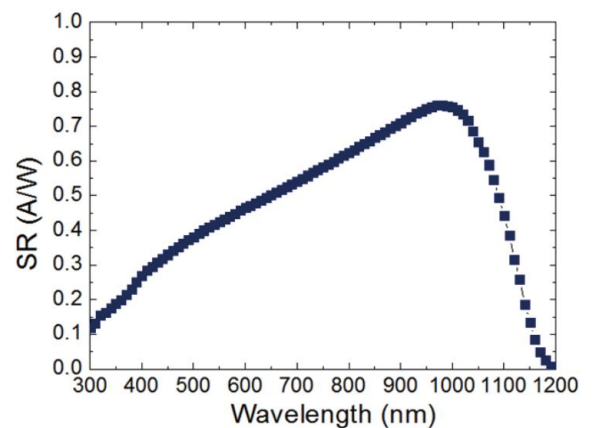
Efficiency test accuracy is $\pm 0.1\%$
100% automatic inspection of IV/EL/Appearance
Calibration cell Source to Fraunhofer ISE

Efficiency(%)	Pmpp(W)	Umpp(v)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
24.4%	6.69	0.6223	10.749	0.7135	11.267	83.21
24.3%	6.66	0.6209	10.729	0.7119	11.251	83.17
24.2%	6.63	0.6194	10.711	0.7106	11.232	83.12
24.1%	6.61	0.6179	10.693	0.7093	11.223	83.00
24.0%	6.58	0.6166	10.671	0.7081	11.201	82.96
23.9%	6.55	0.6154	10.647	0.7069	11.188	82.85
23.8%	6.52	0.6139	10.628	0.7056	11.164	82.83
23.7%	6.50	0.6126	10.606	0.7044	11.143	82.78
23.6%	6.47	0.6106	10.596	0.7032	11.124	82.71
23.5%	6.44	0.6092	10.575	0.7021	11.102	82.65
23.4%	6.42	0.6080	10.551	0.7011	11.079	82.59
23.3%	6.39	0.6060	10.541	0.6999	11.061	82.51
23.2%	6.36	0.6044	10.523	0.6982	11.048	82.45
23.1%	6.33	0.6023	10.514	0.6971	11.027	82.38
23.0%	6.31	0.6006	10.499	0.6956	11.009	82.34

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 11.2022 HD Solar

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