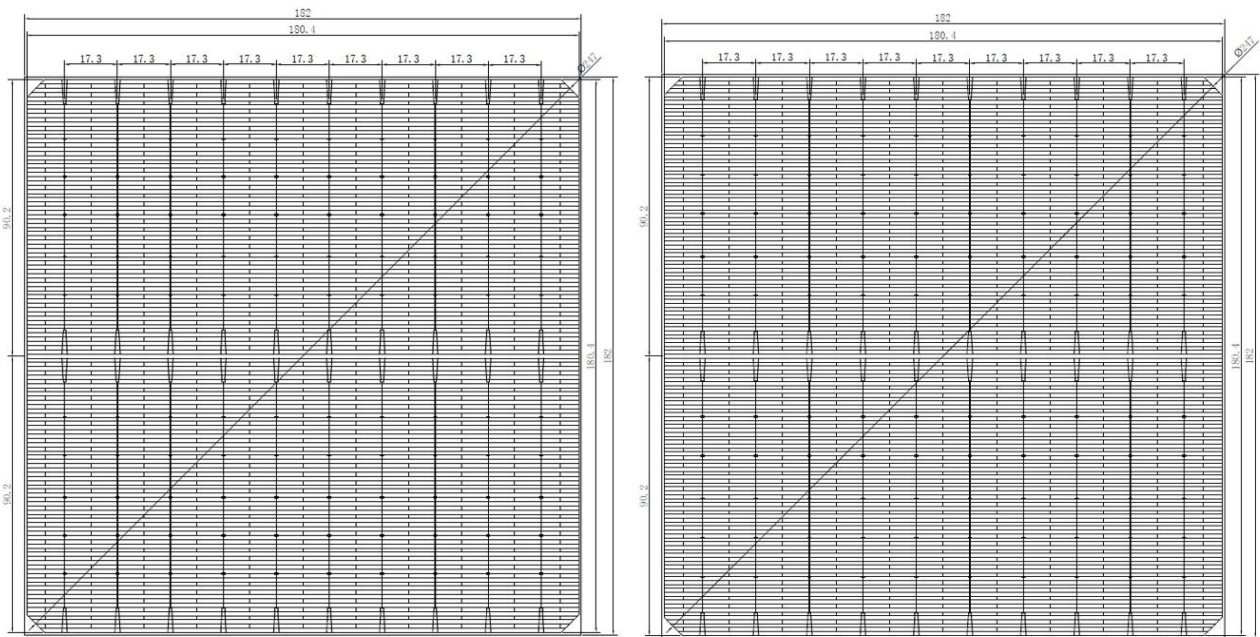


SD6N Bifacial-Topcon M10 10BB Silicon Solar Cells Specification

1. The characteristics of silicon solar cell

- The unique bifacial light receiving structure and half-chip design effectively improves the generating capacity of module.
- Lower module operating temperature to further increase the power generation and life span of module.
- Rigorous grading standards effectively reduce the power loss in the module package.
- Unique finger design, greatly improving the conversion efficiency of the solar cell.
- Strict appearance standards improve the passing rate of module production.
- Strict pulling force test, to ensure a good weld ability.
- Excellent anti-PID performance to ensure the stability of the module power.
- LID free.
- Excellent low light power generation characteristics.

2. Front and back of cell design drawing



3. Mechanical Characteristics

Product	SD6N Bifacial-Topcon M10 10BB Silicon Solar Cells
Dimension	182mm×182mm, tolerance±0.3mm
Thickness	170μm/160μm, tolerance±20μm
Front (anode)	Passivated Emitter(AlOx and SiNx dual layer) Rear Contact(Al), Blue silicon nitride anti-reflection coating, Ten row, The size of the head pad is 1.0 ± 0.1 mm.
Back (cathode)	Tunnel oxide (SiOx ,Poly and SiNx Three layers) ,Ten row, The size of the head pad is 1.0 ± 0.1 mm.

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4. Electrical data(front)

Conversion efficiency Eff (%)	Maximum power Pmax (W)	Optimum operating voltage Vm (V)	Optimum operating current Im (A)	Open circuit voltage Voc (V)	Short circuit current Isc (A)
24.5	8.086	0.62	13.042	0.710	13.621
24.4	8.047	0.619	13.000	0.709	13.610
24.3	8.022	0.618	12.981	0.707	13.608
24.2	7.989	0.617	12.948	0.706	13.601
24.1	7.956	0.613	12.979	0.704	13.575
24.0	7.923	0.611	12.967	0.703	13.558
23.9	7.894	0.610	12.941	0.702	13.546
23.8	7.859	0.608	12.926	0.701	13.518
23.7	7.824	0.605	12.932	0.700	13.507
23.6	7.791	0.604	12.899	0.700	13.495
23.5	7.758	0.602	12.887	0.699	13.482
23.4	7.724	0.601	12.852	0.698	13.455
23.3	7.692	0.600	12.820	0.697	13.429
23.2	7.661	0.599	12.790	0.696	13.426
23.1	7.625	0.597	12.772	0.695	13.400

All data at STC (standard testing conditions): 1000W/m², AM1.5G, 25°C. Pmax ± 1.5%, Efficiency ± 0.2% abs.

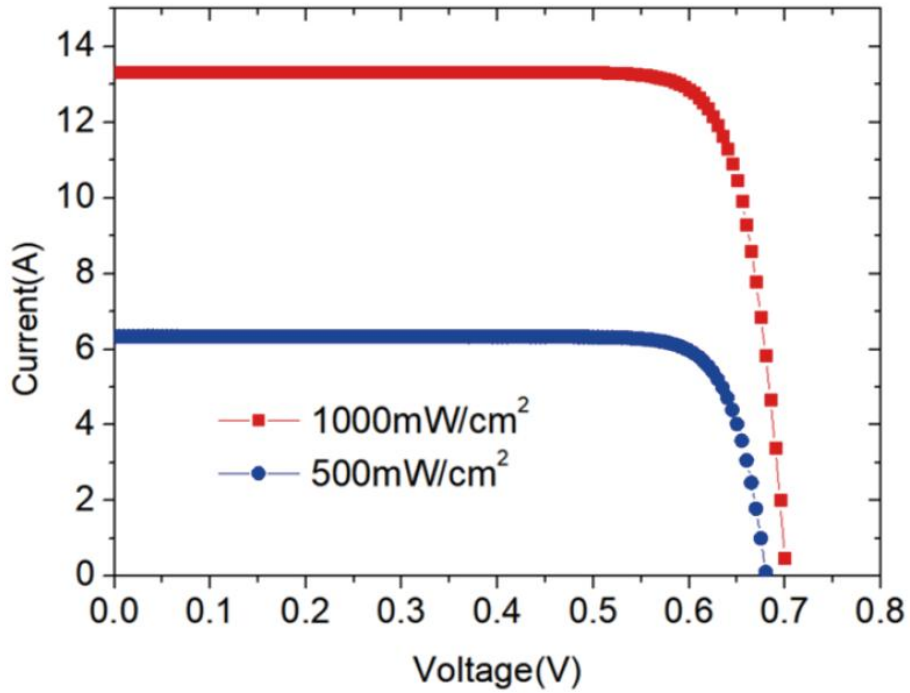
5. Temperature coefficients

- Power -0.32 %/°C
- Current +0.046% /°C
- Voltage -0.26% /°C

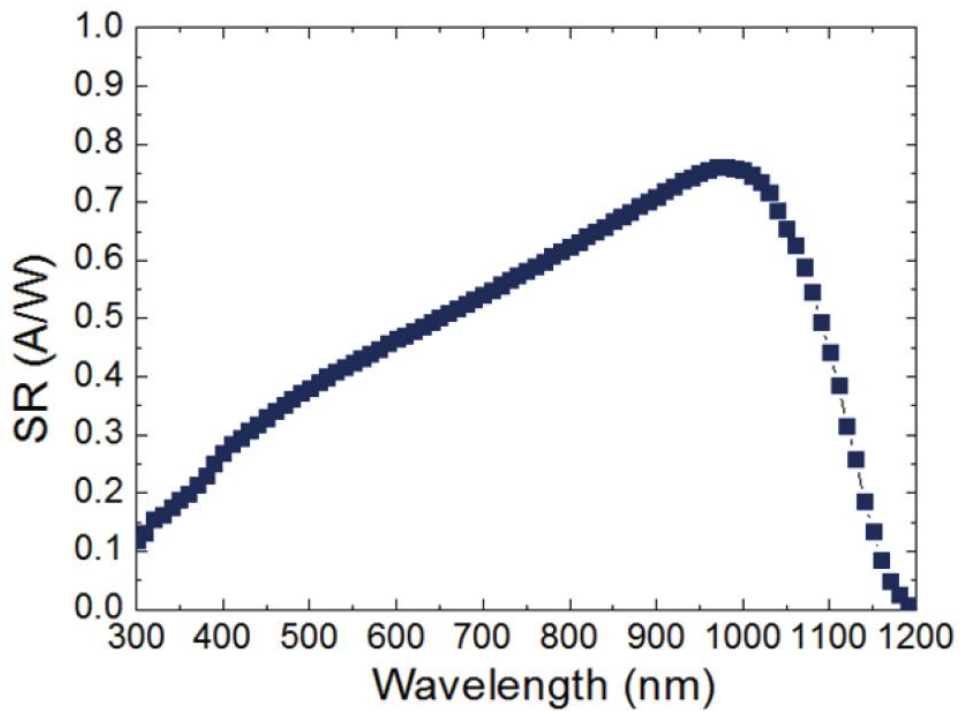
6. Electrical Curves

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7. QE



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