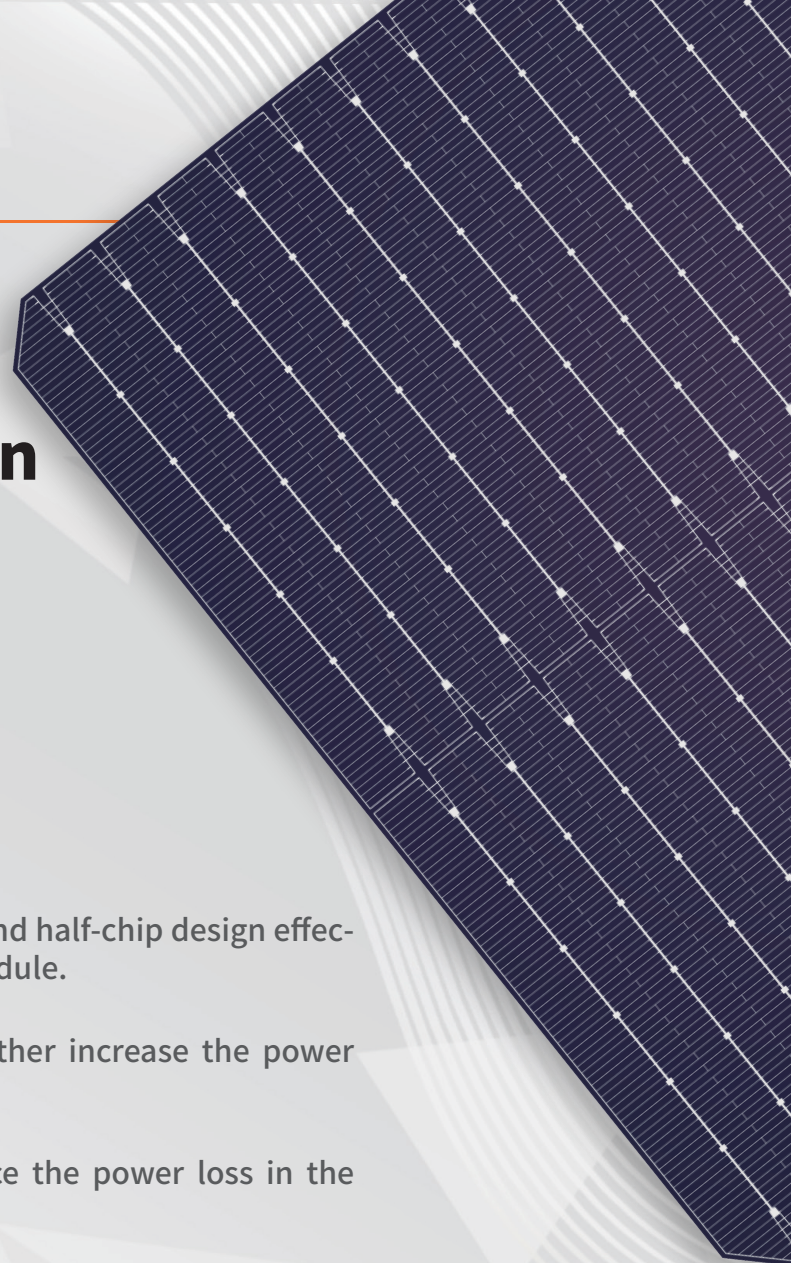


183R 16BB

N-type Bifacial-TOPCon

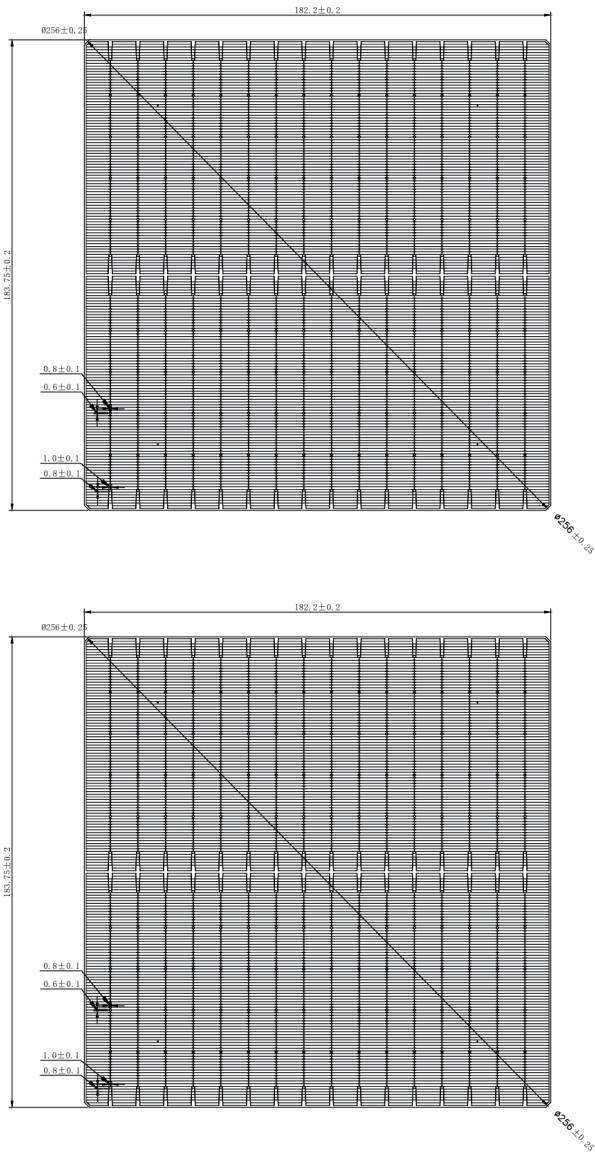
25.7%

Maximum Efficiency



- 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.
- Excellent low light power generation characteristics.
- LID free.

Front and back of cell design drawing



Temperature Characteristics

Power (%/°C)	-0.30
Current (%/°C)	+0.045
Voltage (%/°C)	-0.25

Mechanical Specification

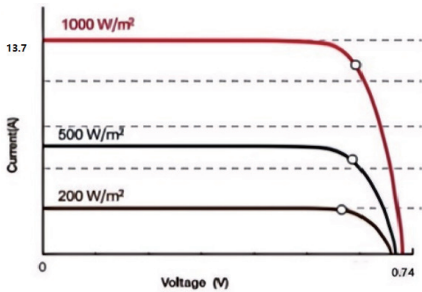
Product	RunDa N-type Bifacial-Topcon 183R 16BB Silicon Solar Cells
Dimensions (mm)	182.2*183.75, tolerance±0.2
Thickness (μm)	130, tolerance±10
Front (anode)	Sixteen busbars, The composite passivation structure composed of aluminum oxide (Al ₂ O ₃) and silicon nitride (SiN _x) anti-reflective coatings.
Back (cathode)	Sixteen busbars, The composite passivation structure composed of a tunnel oxide layer, a doped polycrystalline silicon layer, and a silicon nitride anti-reflective coating.

Electrical Specifications (front)

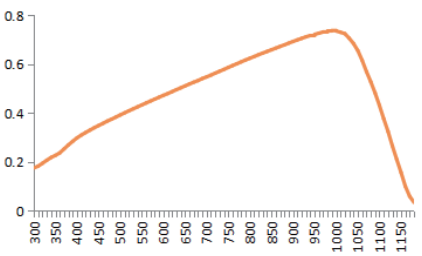
Conversion efficiency Eff (%)	Power (W)	Open circuit voltage Voc (V)	Short circuit current Isc (A)	Optimum operating voltage Vm (V)	Optimum operating current Im (A)
25.7	8.60	0.741	13.723	0.658	13.070
25.6	8.57	0.740	13.710	0.656	13.057
25.5	8.54	0.739	13.697	0.654	13.045
25.4	8.50	0.738	13.684	0.652	13.032
25.3	8.47	0.737	13.671	0.650	13.020
25.2	8.43	0.736	13.658	0.648	13.008
25.1	8.40	0.735	13.645	0.646	12.995
25.0	8.37	0.734	13.632	0.645	12.983
24.9	8.33	0.733	13.619	0.643	12.970
24.8	8.30	0.732	13.606	0.641	12.958

All data at STC (standard testing conditions): 1000W/m², AM1.5G, 25 °C.

Electrical Curves



Spectral Response



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CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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No special undertaking or warranty for the suitability of special purpose or being installed in extraordinary surroundings is granted unless as otherwise specifically committed by manufacturer in contract document.