

210R 16BB

N-type Bifacial-TOPCon

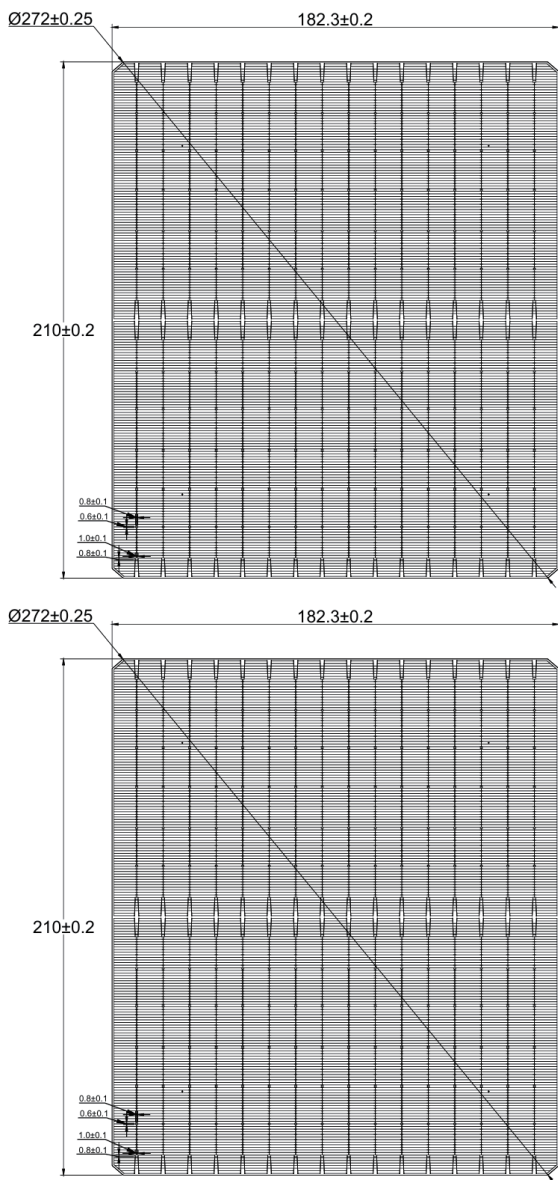
25.7%

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

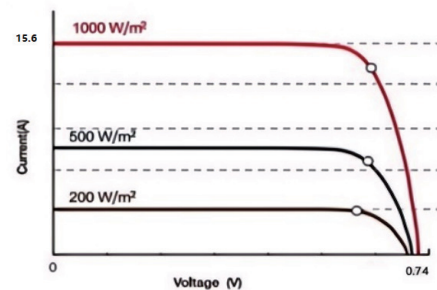
Product	RunDa N-type Bifacial-Topcon 210R 16BB Silicon Solar Cells
Dimensions (mm)	182.3*210.0, tolerance ± 0.2
Thickness (μm)	130, tolerance ± 10
Front (anode)	Sixteen busbars, The composite passivation structure composed of aluminum oxide (Al_2O_3) and silicon nitride (SiN_x) anti-reflective coatings.
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	9.81	0.741	15.656	0.658	14.910
25.6	9.78	0.740	15.643	0.656	14.898
25.5	9.74	0.739	15.630	0.654	14.886
25.4	9.70	0.738	15.617	0.652	14.873
25.3	9.66	0.737	15.604	0.650	14.861
25.2	9.62	0.736	15.591	0.648	14.849
25.1	9.58	0.735	15.578	0.646	14.836
25.0	9.55	0.734	15.565	0.645	14.824
24.9	9.51	0.733	15.552	0.643	14.811
24.8	9.47	0.732	15.539	0.641	14.799

All data at STC (standard testing conditions): 1000W/m^2 , AM1.5G, 25°C .

Electrical Curves



Spectral Response

