

TONGWEI

TNC

TNC-M10

N-Type Bifacial Solar Cell | TW183-2160



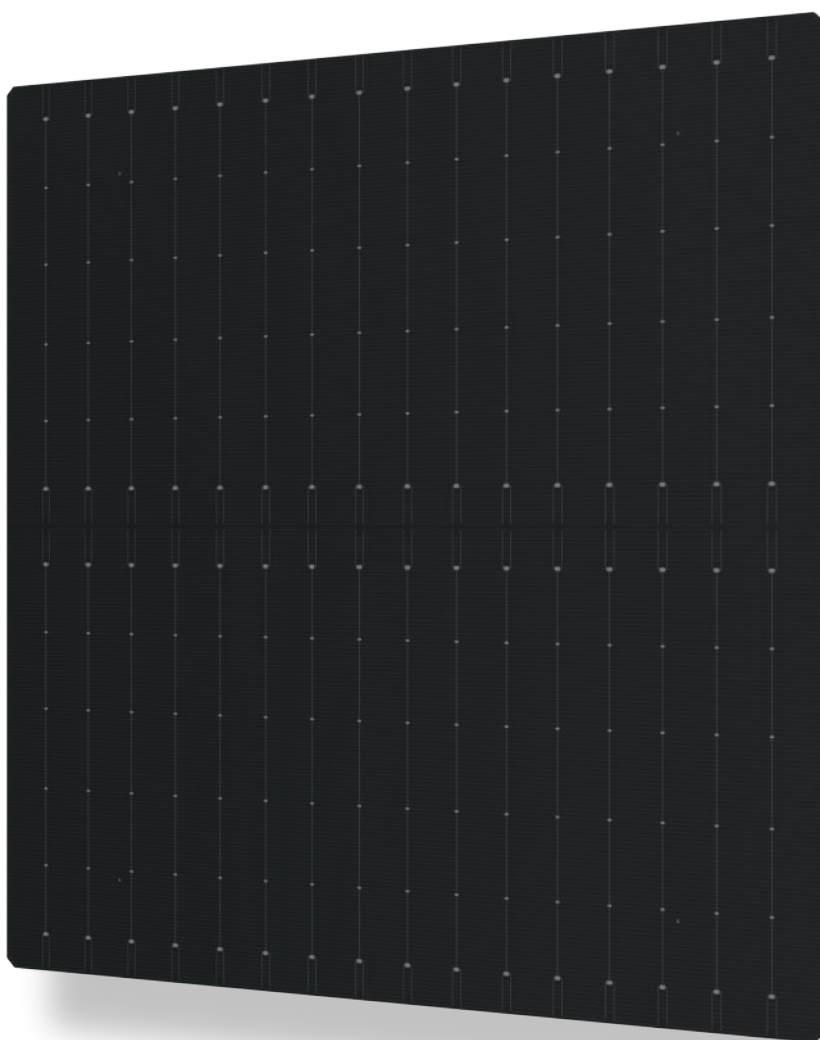
**High
Efficiency**



**Excellent
Quality**



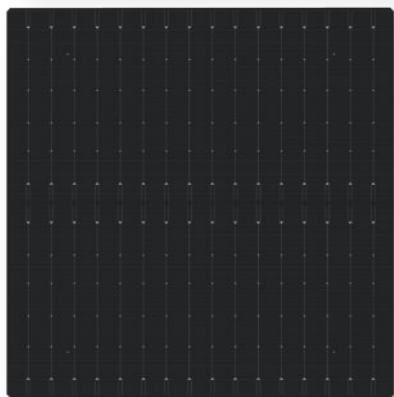
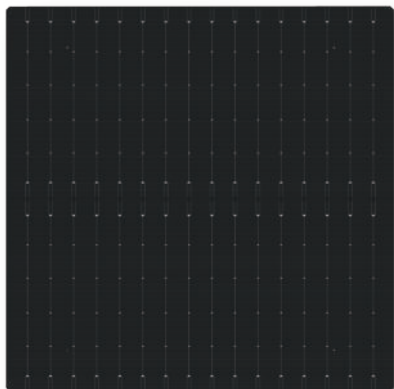
**Prominent
Reliability**



<https://en.tongwei.cn/cell.html>

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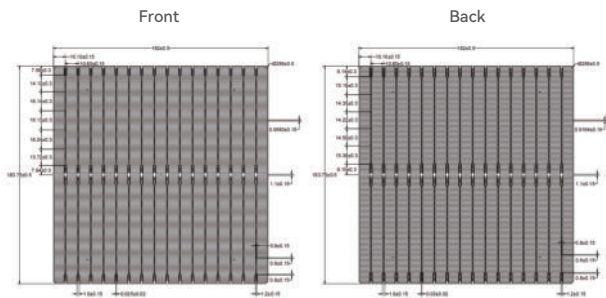
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Front Electrical Performance Parameters

Eff (%)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
25.7	8.60	0.635	13.550	0.722	14.119	84.38
25.6	8.57	0.634	13.525	0.721	14.101	84.28
25.5	8.54	0.633	13.488	0.720	14.087	84.15
25.4	8.50	0.632	13.454	0.719	14.066	84.06
25.3	8.47	0.631	13.423	0.719	14.031	83.95
25.2	8.43	0.630	13.387	0.718	14.005	83.88
25.1	8.40	0.629	13.359	0.717	13.983	83.79
25.0	8.37	0.628	13.325	0.716	13.969	83.66
24.9	8.33	0.628	13.272	0.715	13.956	83.51
24.8	8.30	0.627	13.236	0.714	13.936	83.42
24.7	8.27	0.626	13.203	0.713	13.917	83.32
24.6	8.23	0.625	13.174	0.711	13.910	83.26
24.5	8.20	0.623	13.163	0.709	13.906	83.18

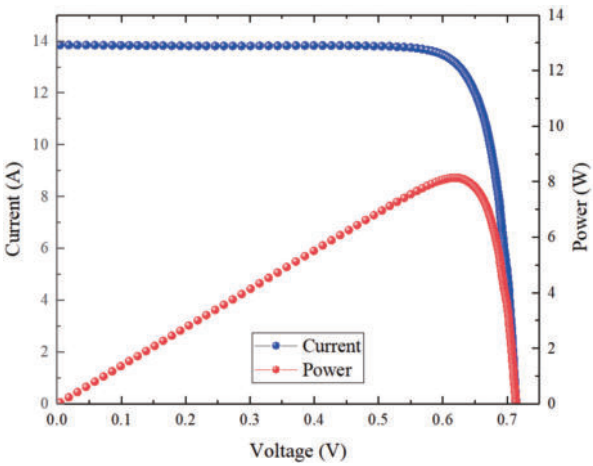
Product Appearance (mm)



Product Design

Dimension	182±0.5*183.75±0.5mm Φ256mm±0.5mm	TkVoltage: -(0.255±0.010)%/K
Thickness	130±13μm	TkCurrent: +(0.041±0.004)%/K
Front	16 busbars (silver), 192 fingers Blue anti-reflective coating (silicon nitride)	TkPower: -(0.305±0.025)%/K
Back	16 busbars (silver), 200 fingers Blue anti-reflective coating (silicon nitride)	Rsh≥50Ω Irev2≤0.5A

IV Curve



Back Electrical Performance Parameters

Eff (%)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
> 20.5	6.86	0.589	11.644	0.692	12.932	76.68
20.3-20.5	6.79	0.587	11.569	0.691	12.866	76.43
20.1-20.3	6.73	0.584	11.527	0.690	12.819	76.10
< 20.1	6.69	0.582	11.496	0.689	12.799	75.87

STC (Standard Testing Conditions): 1000W/m², AM1.5, 25°C

26.08.05

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Statement: With technological progress and product iteration, deviations may exist between the technical parameters of Tongwei's cell products and those stated in the specification. Tongwei reserves the right to adjust technical parameters at any time without prior notice to customers. The final interpretation of the technical specification shall vest in Tongwei.