

TONGWEI

G12R-TPE

N-Type Bifacial Solar Cell



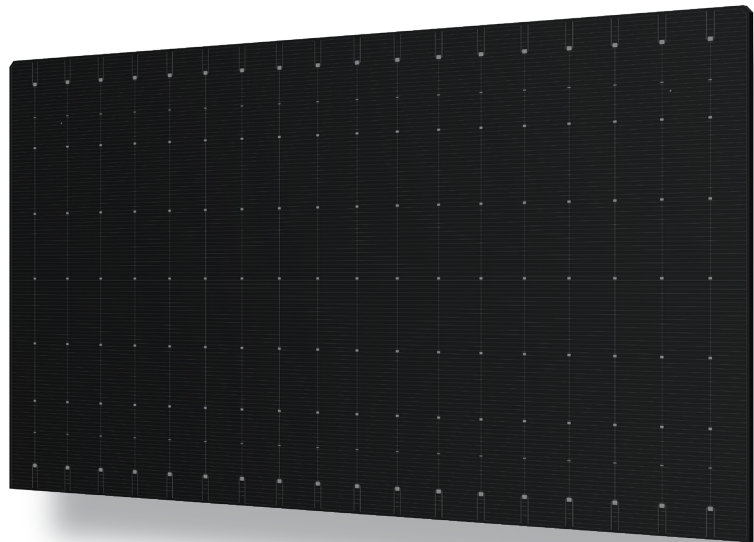
**High
Efficiency**



**Excellent
Quality**

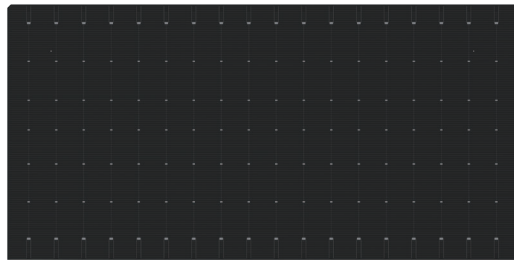


**Prominent
Reliability**

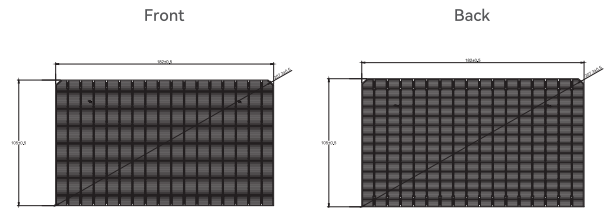


<https://en.tongwei.cn/cell.html>

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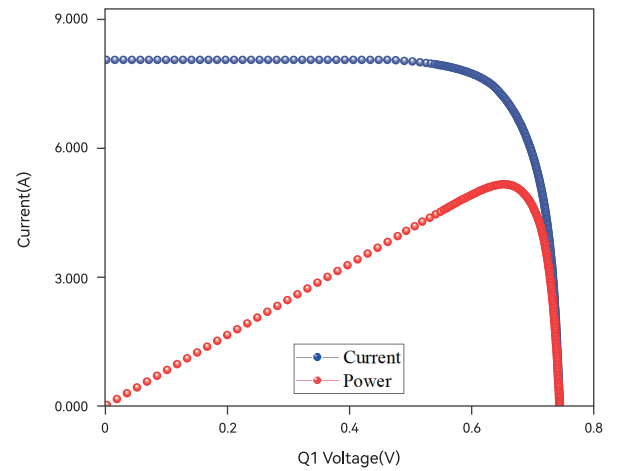
Product Appearance



Product Design

Dimension	182±0.5*105±0.5mm Φ207.3±0.5mm	TkVoltage: -(0.25±0.01)%/K
Thickness	130±13μm	TkCurrent: +(0.04±0.004)%/K
Front	16 busbars (silver), 118 fingers Blue anti-reflective coating (silicon nitride)	TkPower: -(0.29±0.025)%/K
Back	116 busbars (silver), 114 fingers Blue anti-reflective coating (silicon nitride)	Rsh≥50Ω, Irev2±0.5A

IV Curve



Front Electrical Performance Parameters

Eff (%)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
26.4	5.04	0.632	7.975	0.739	8.156	83.62
26.3	5.02	0.631	7.958	0.739	8.138	83.49
26.2	5.00	0.63	7.940	0.739	8.118	83.37
26.1	4.98	0.629	7.922	0.739	8.106	83.18
26.0	4.96	0.628	7.904	0.738	8.100	83.03
25.9	4.94	0.627	7.879	0.738	8.086	82.85
25.8	4.93	0.626	7.869	0.738	8.070	82.72
25.7	4.91	0.625	7.851	0.737	8.062	82.58
25.6	4.89	0.624	7.833	0.737	8.050	82.39
25.5	4.87	0.623	7.815	0.737	8.043	82.12
25.4	4.85	0.622	7.796	0.737	8.031	81.94
25.3	4.83	0.621	7.778	0.736	8.026	81.77
25.2	4.81	0.620	7.758	0.736	8.012	81.60
25.1	4.79	0.619	7.738	0.735	8.008	81.43
25.0	4.77	0.618	7.718	0.734	8.003	81.27

Back Electrical Performance Parameters

Eff (%)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
>21.5	4.20	0.638	6.545	0.734	6.724	84.98
20.5-21.0	3.97	0.637	6.227	0.733	6.629	81.63
20.0-20.5	3.87	0.632	6.125	0.728	6.607	80.49
< 20.0	3.79	0.628	6.042	0.724	6.589	79.54

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