

TONGWEI

TNC-G12

monocrystalline solar cell



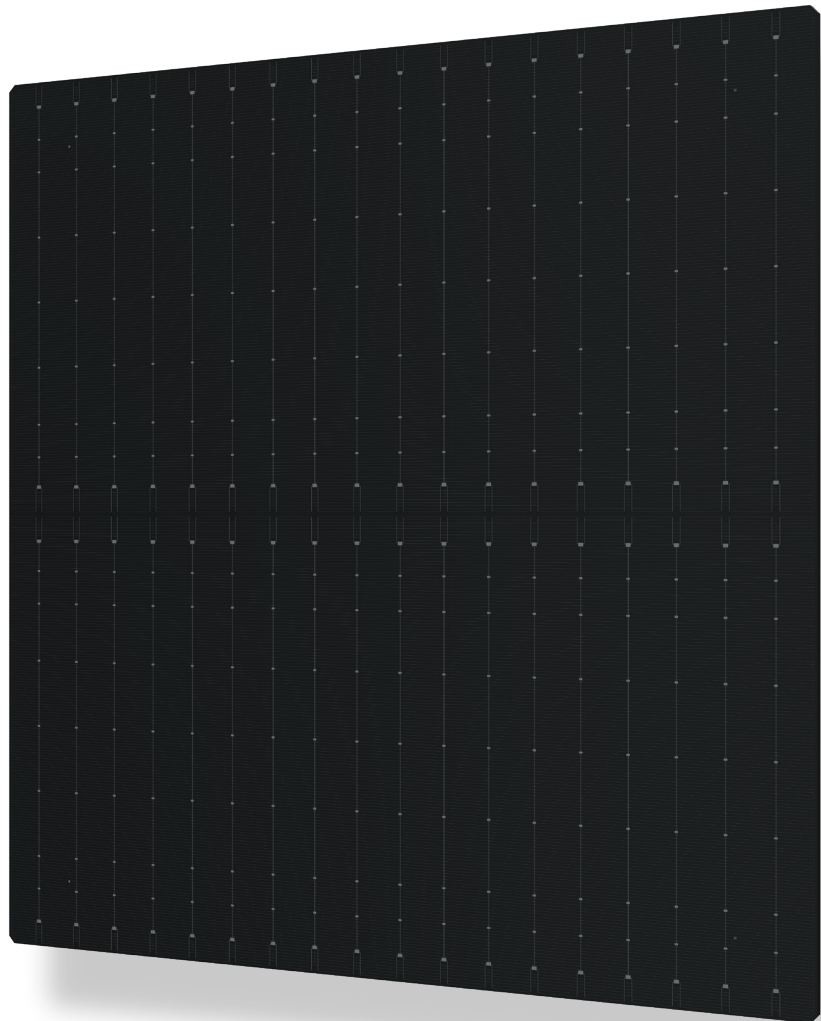
**High
Efficiency**



**Excellent
Quality**

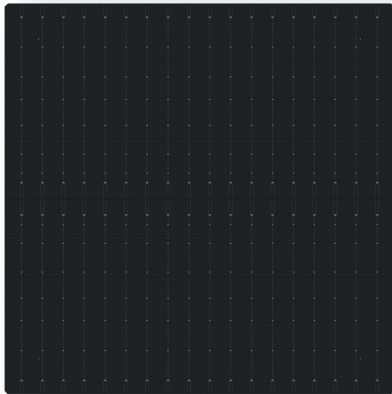


**Prominent
Reliability**

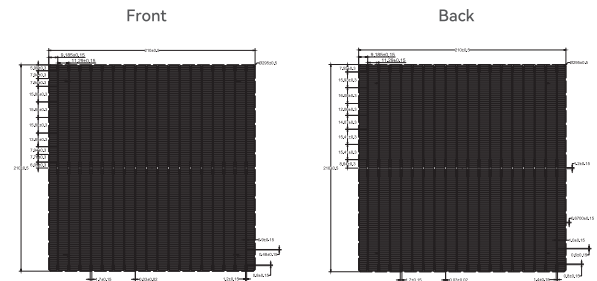


<https://en.tongwei.cn/cell.html>

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Product Appearance (mm)



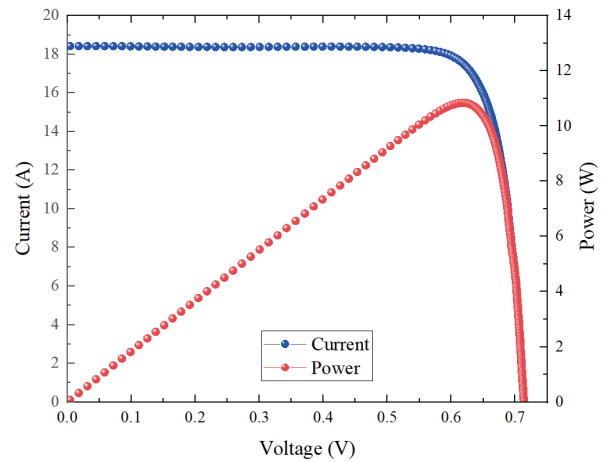
Product Design

Dimension	210mm*210mm±0.5mm Φ295±0.5mm	TkVoltage: -(0.25±0.01)%/K
Thickness	130±13μm	TkCurrent: +(0.04±0.004)%/K
Front	18 busbars (silver), 316 fingers Anti-reflective coating (silicon nitride)	TkPower: -(0.29±0.025)%/K
Back	18 busbars (silver), 312 fingers Anti-reflective coating (silicon nitride)	Rsh≥50Ω Irev2≤0.5A

Front Electrical Performance Parameters

Eff (%)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
26.4	11.64	0.657	17.719	0.736	18.495	85.52
26.3	11.60	0.657	17.652	0.736	18.483	85.25
26.2	11.55	0.656	17.611	0.736	18.464	85.01
26.1	11.51	0.656	17.544	0.736	18.449	84.76
26.0	11.46	0.656	17.477	0.735	18.422	84.67
25.9	11.42	0.656	17.410	0.735	18.417	84.37
25.8	11.38	0.656	17.342	0.735	18.406	84.09
25.7	11.33	0.655	17.302	0.735	18.397	83.81
25.6	11.29	0.655	17.235	0.734	18.388	83.64
25.5	11.24	0.655	17.167	0.734	18.364	83.42
25.4	11.20	0.655	17.100	0.734	18.363	83.10
25.3	11.16	0.654	17.058	0.734	18.346	82.85
25.2	11.11	0.654	16.991	0.733	18.331	82.70
25.1	11.07	0.654	16.923	0.733	18.319	82.42

IV Curve



Back Electrical Performance Parameters

Eff (%)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
≥21.5	9.48	0.621	15.266	0.722	16.032	81.90
21.0-21.5	9.26	0.619	14.960	0.722	16.014	80.09
20.5-21.0	9.04	0.618	14.628	0.721	16.002	78.35
< 20.5	8.82	0.616	14.317	0.720	16.984	76.63

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