

TONGWEI

TNC-G12R

monocrystalline solar cell



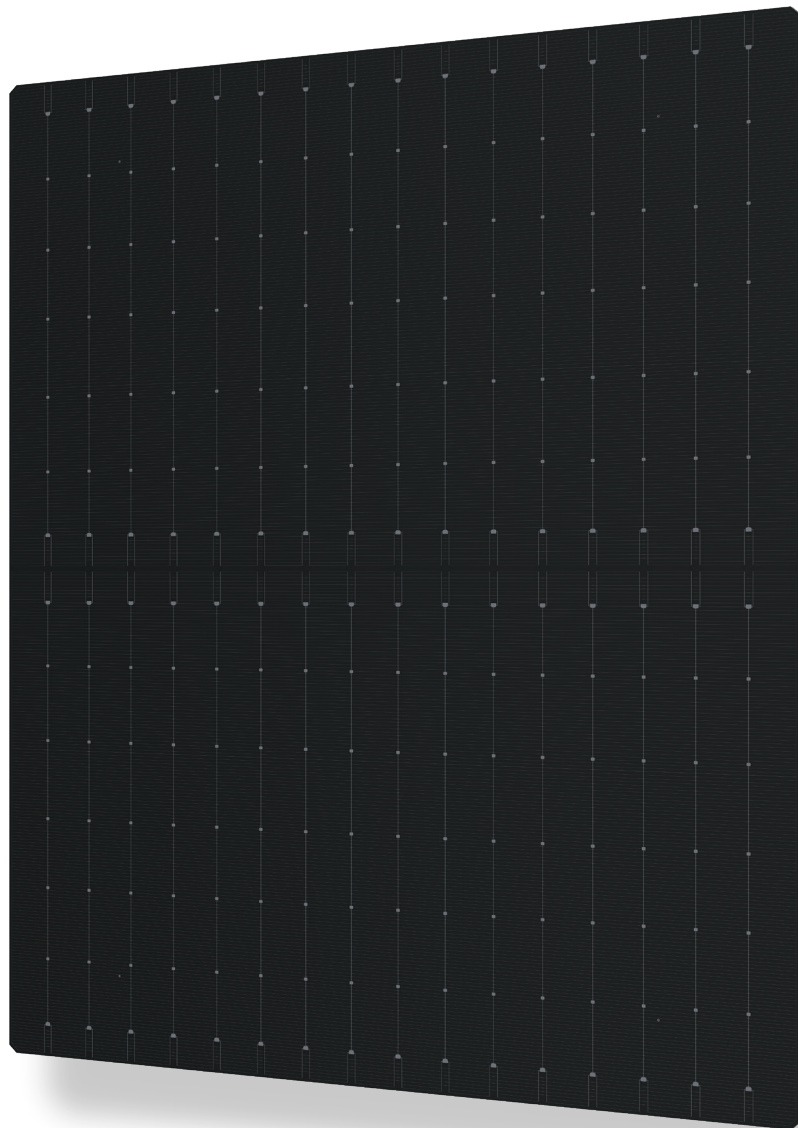
**High
Efficiency**



**Excellent
Quality**

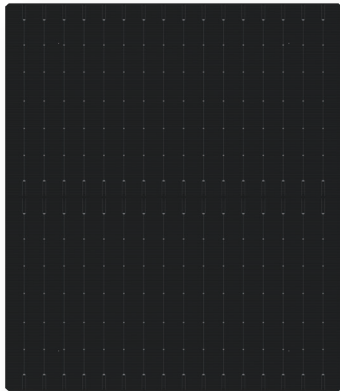
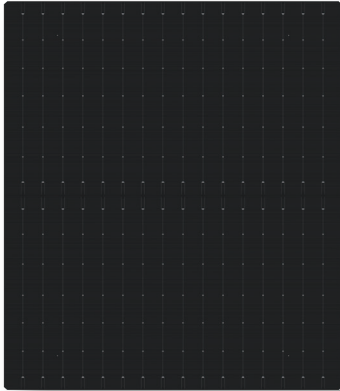


**Prominent
Reliability**

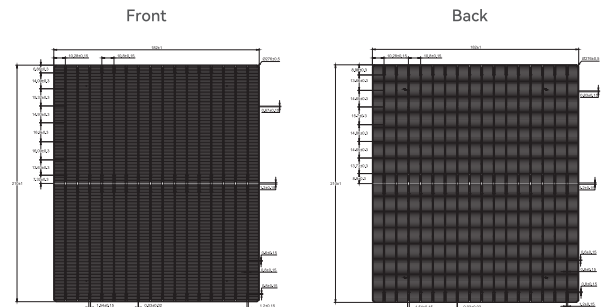


<https://en.tongwei.cn/cell.html>

TNC-G12R



Product Appearance (mm)



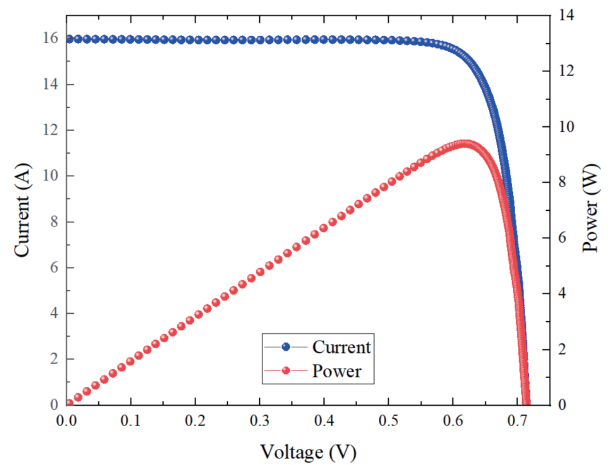
Product Design

Dimension	182mm*210mm±1mm Φ276±0.5mm	TkVoltage: $-(0.25±0.01)\%/K$
Thickness	130±13μm	TkCurrent: $+(0.04±0.004)\%/K$
Front	16 busbars (silver), 310 fingers Blue anti-reflective coating (silicon nitride)	TkPower: $-(0.29±0.025)\%/K$
Back	16 busbars (silver), 252 fingers Blue 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 (%)
26.1	9.97	0.628	15.875	0.745	15.987	83.71
26.0	9.93	0.627	15.831	0.744	15.961	83.59
25.9	9.89	0.627	15.768	0.744	15.938	83.41
25.8	9.85	0.626	15.734	0.743	15.919	83.30
25.7	9.81	0.625	15.695	0.742	15.906	83.16
25.6	9.78	0.624	15.672	0.740	15.891	83.14
25.5	9.74	0.623	15.636	0.739	15.872	83.01
25.4	9.70	0.622	15.590	0.738	15.868	82.83
25.3	9.66	0.621	15.553	0.737	15.861	82.64
25.2	9.62	0.620	15.517	0.736	15.851	82.48
25.1	9.58	0.619	15.480	0.735	15.842	82.30
25.0	9.55	0.618	15.453	0.734	15.826	82.20
24.9	9.51	0.617	15.406	0.733	15.824	81.98
24.8	9.47	0.616	15.369	0.732	15.820	81.78
24.7	9.43	0.615	15.332	0.731	15.813	81.59
24.6	9.39	0.614	15.295	0.730	15.811	81.38

IV Curve



Back Electrical Performance Parameters

Eff (%)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
≥21.5	8.21	0.620	13.242	0.735	13.408	83.31
21.0~21.5	8.02	0.614	13.062	0.730	13.258	82.87
20.5~21.0	7.83	0.609	12.857	0.725	13.213	81.74
<20.5	7.64	0.604	12.649	0.720	13.177	80.53

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

26.04.14