

TONGWEI

TNC-G12R

单晶太阳能电池



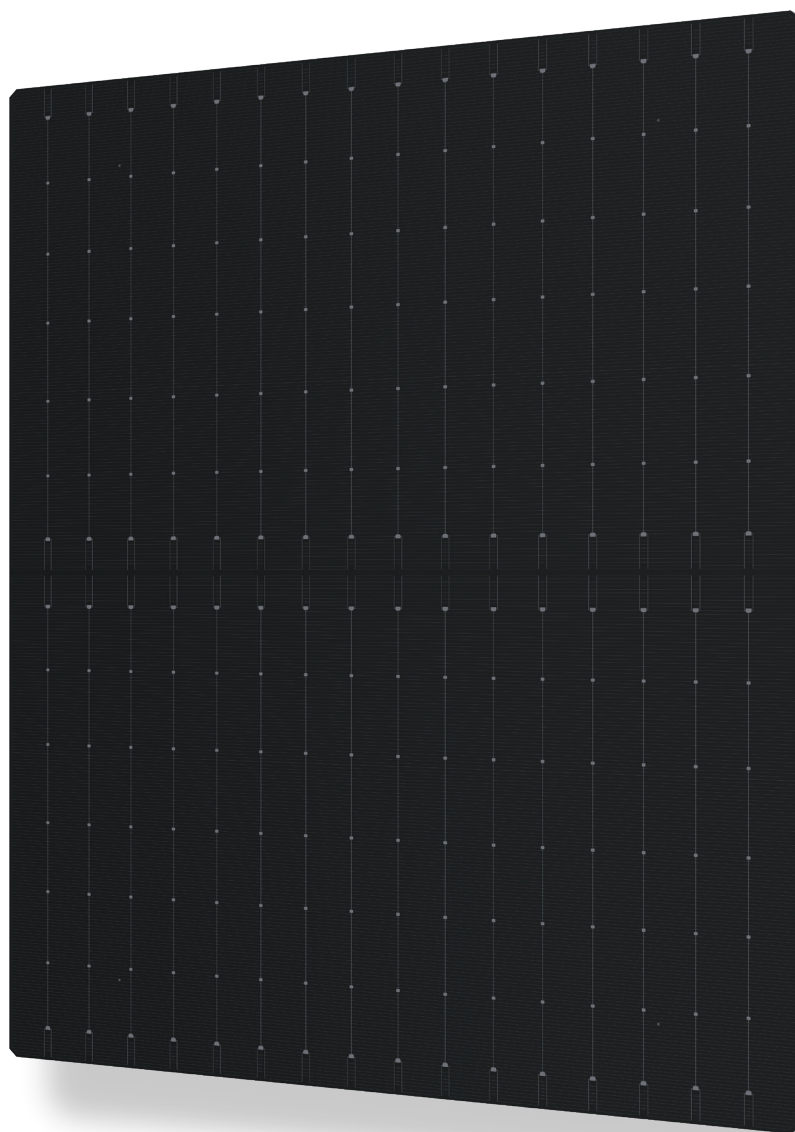
更高的效率



优异的品质

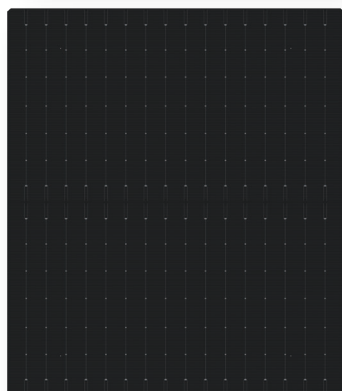
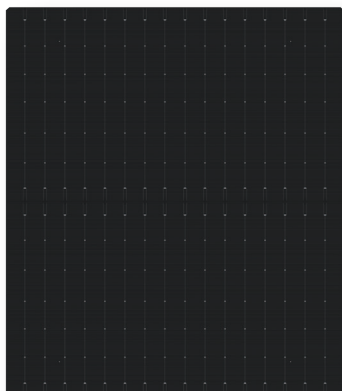


卓越的可靠性



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

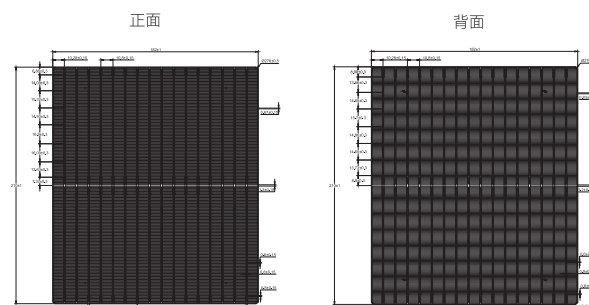
TNC-G12R



正面电性能参数

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

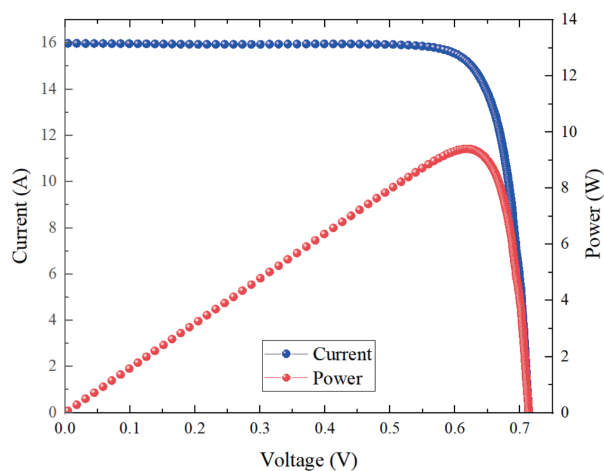
产品外观 (mm)



产品设计

尺寸	182mm*210mm±1mm Φ276±0.5mm	TkVoltage: $-(0.25\pm 0.01)\%/K$
厚度	130±13μm	TkCurrent: $+(0.04\pm 0.004)\%/K$
正面	16主栅线(银), 310根副栅线 蓝色抗反射膜(氮化硅)	TkPower: $-(0.29\pm 0.025)\%/K$
背面	16主栅线(银), 252根副栅线 蓝色抗反射膜(氮化硅)	Rsh≥50Ω Irev2≤0.5A

IV 曲线



背面电性能参数

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

标准测试条件: 1000W/m², AM1.5, 25°C