

TONGWEI

TNC-G12

单晶太阳能电池



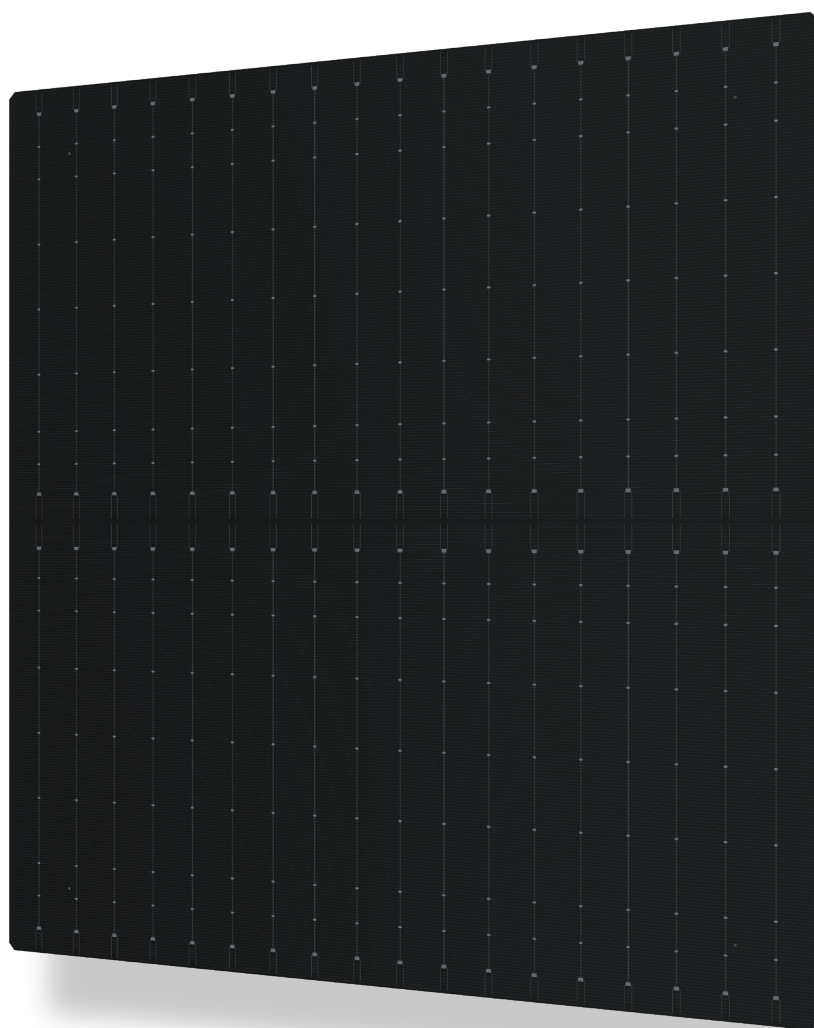
更高的效率



优异的品质

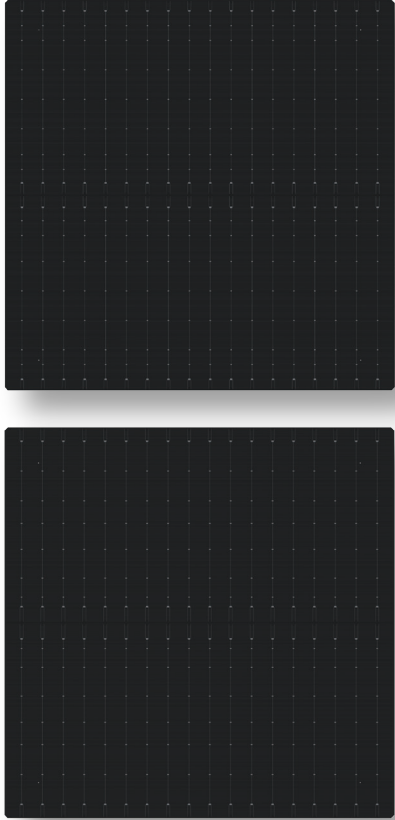


卓越的可靠性

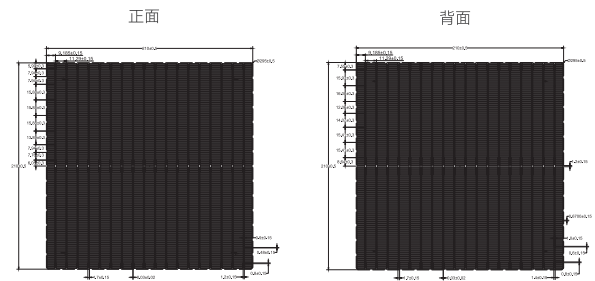


<https://en.tongwei.cn/cell.html>

TNC-G12



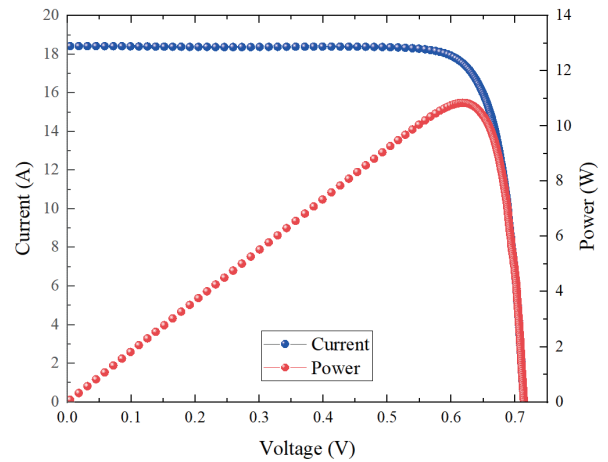
产品外观 (mm)



产品设计

尺寸	210mm*210mm±0.5mm Φ295±0.5mm	TkVoltage: $-(0.25\pm 0.01)\%/K$
厚度	130±13μm	TkCurrent: $+(0.04\pm 0.004)\%/K$
正面	18主栅线(银), 316根副栅线 蓝色抗反射膜(氮化硅)	TkPower: $-(0.29\pm 0.025)\%/K$
背面	18主栅线(银), 312根副栅线 蓝色抗反射膜(氮化硅)	Rsh≥50Ω Irev2≤0.5A

IV 曲线



正面电性能参数

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

背面电性能参数

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

标准测试条件: 1000W/m², AM1.5, 25°C