

# TONGWEI

## G12R-TPE

N型太阳能双面电池



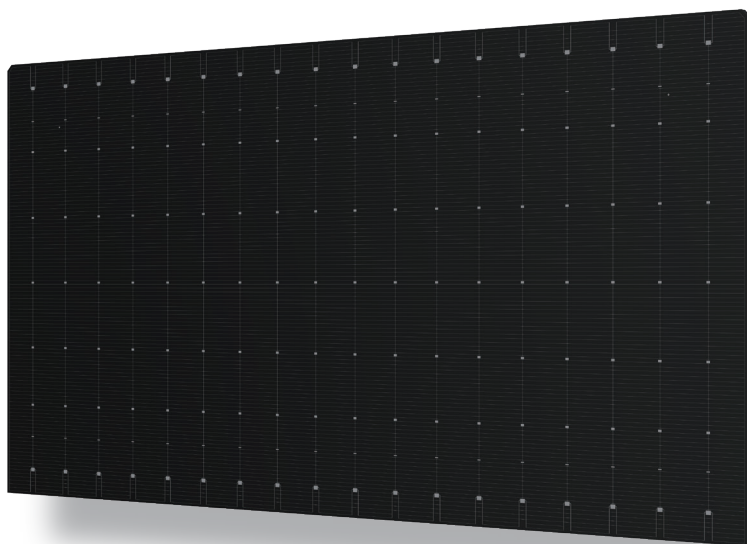
更高的效率



优异的品质

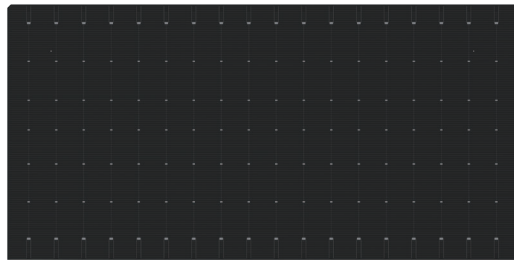


卓越的可靠性

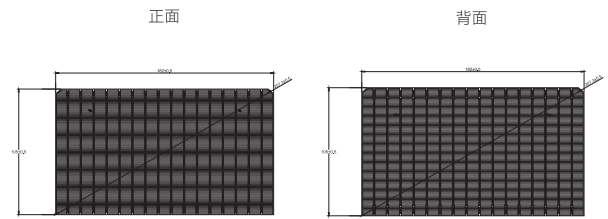


<https://en.tongwei.cn/cell.html>

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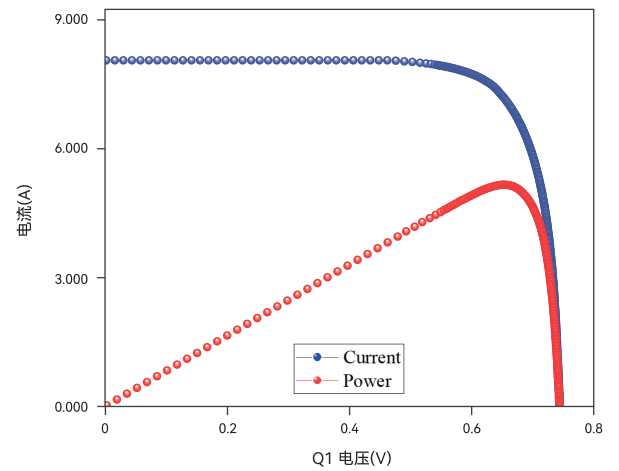
## 产品外观



## 产品设计

尺寸	182±0.5*105±0.5mm Φ207.3±0.5mm	TkVoltage: -(0.25±0.01)%/K
厚度	130±13μm	TkCurrent: +(0.04±0.004)%/K
正面	16主栅(银), 118根副栅 蓝色抗反射膜(氮化硅)	TkPower: -(0.29±0.025)%/K
背面	16主栅(银), 114根副栅 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)	Imp (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

## 背面电性能参数

Eff (%)	Pmpp (W)	Vmpp (V)	Imp (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

标准测试条件: 1000W/m<sup>2</sup>, AM1.5, 25°C

26.01.06