



TUVNORD



英发睿能
YINGFA RUINENG



210R

N型16BB TOPCon 双面电池片

只做电池片，做更优质的电池片

N型16BB TOPCon

双面电池片规格书



技术数据与设计 / PRODUCT SPECIFICATION

认证型号	G12R-A-16BB
尺寸	210mm*182.3mm±0.5mm/φ272±0.5mm
电池厚度	130um±13um

电性能 / ELECTRICAL PERFORMANCE

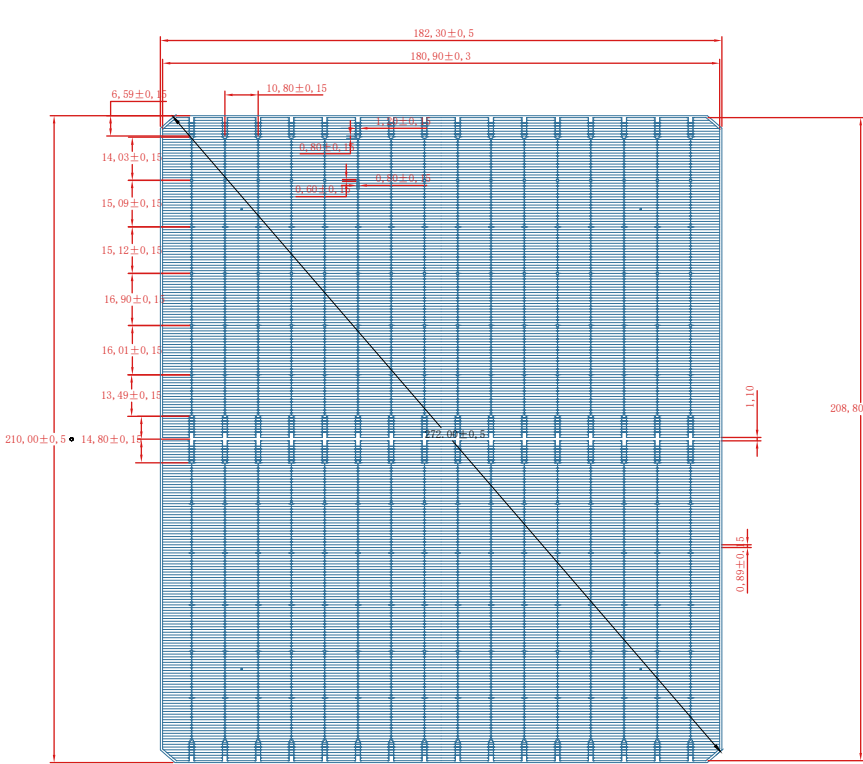
正面效率 / Front Efficiency

Efficiency	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
A2590	9.89	0.6367	15.533	0.7284	15.781	86.04
A2580	9.85	0.6354	15.505	0.7273	15.767	85.91
A2570	9.81	0.6343	15.472	0.7264	15.738	85.84
A2560	9.78	0.6332	15.438	0.7248	15.730	85.74
A2550	9.74	0.6321	15.405	0.7224	15.728	85.70
A2540	9.70	0.6308	15.376	0.7209	15.711	85.63
A2530	9.66	0.6296	15.344	0.7189	15.702	85.59
A2520	9.62	0.6274	15.337	0.7175	15.691	85.47
A2510	9.58	0.6258	15.316	0.7164	15.680	85.32
A2500	9.55	0.6241	15.296	0.7158	15.650	85.21

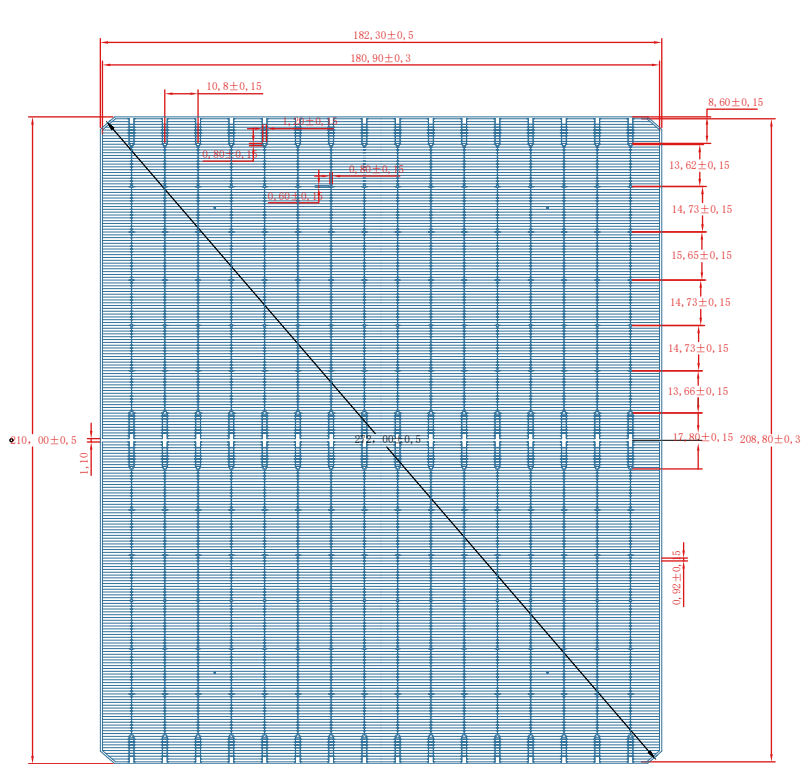
高效、低碳、低衰减

产品规范 / PRODUCT SPECIFICATION

电池片结构 Solar Cell Structure



正面 / Front Electrode Pattern



反面 / Back Electrode Pattern

	参数 Item	规格 Specification	公差 Tolerance	单位 Unit
正面 Front	正面细栅线数量 Front Finger quantity	236	-	Line
	正面焊盘宽度 Front Pad Width	1.2*0.8/0.8*0.6	±0.3	mm
	主栅线间距 Distance between busbars	10.8	±0.15	mm
背面 Back	背面细栅线数量 Back Finger quantity	228	-	Line
	背面焊盘宽度 Back Pad Width	1.2*0.8/0.8*0.6	±0.3	mm
	背主栅间距 Distance between back busbars	10.8	±0.15	mm

电性特性 / ELECTRICAL PROPERTIES

标准检验条件(STC) / Standard Test Condition

STC标准情况下的电性特性 / Electrical properties in STC standard

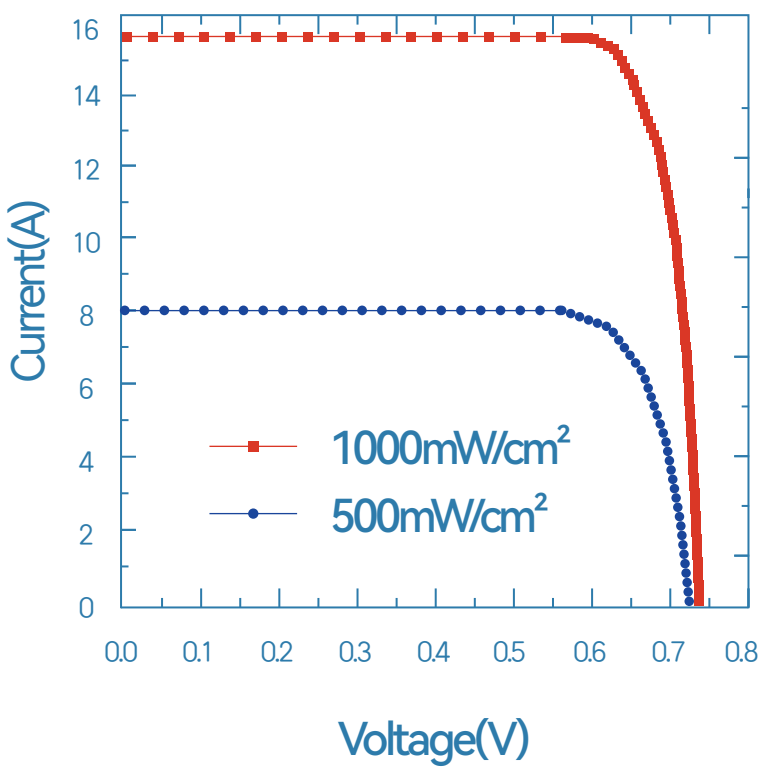
检验标准 / STC Standard

a. Intensity	1000 W/m ²
b. Spectrum	CTL1-3A
c. Temperature	25°C

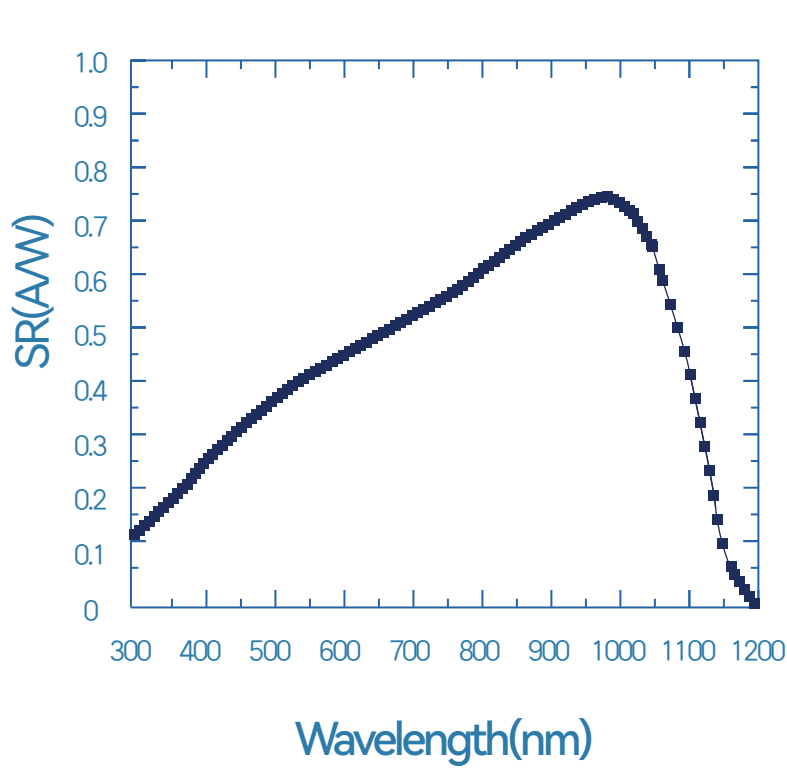
温度系数 / Temperature Coefficient

a. TkVoltage	-0.26 %/°C
b. TkCurrent	+0.046 %/°C
c. TkPower	-0.30 %/°C

IV曲线



频谱响应 (SR)



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