



TUVNORD



英发睿能
YINGFA RUINENG

N型18BB TOPCON双面电池规格书

210N尺寸

技术数据与设计

PRODUCT SPECIFICATION

认证型号 Certification	G12-A-18BB
尺寸 Size	210 mm * 210mm±0.5mm/φ295±0.5mm
电池厚度 Thickness	130±13um

电性能

ELECTRICAL PERFORMANCE

正面效率 / Front Efficiency

Efficiency	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
A2550	11.24	0.632	17.789	0.724	18.212	85.27
A2540	11.20	0.631	17.756	0.723	18.189	85.16
A2530	11.16	0.63	17.720	0.722	18.163	85.05
A2520	11.11	0.628	17.684	0.721	18.138	84.95
A2510	11.07	0.627	17.646	0.72	18.117	84.83
A2500	11.02	0.626	17.613	0.719	18.094	84.75
A2490	10.98	0.625	17.568	0.718	18.071	84.62
A2480	10.94	0.624	17.530	0.716	18.051	84.64
A2470	10.89	0.622	17.510	0.716	18.028	84.38
A2460	10.85	0.621	17.472	0.715	18.006	84.28

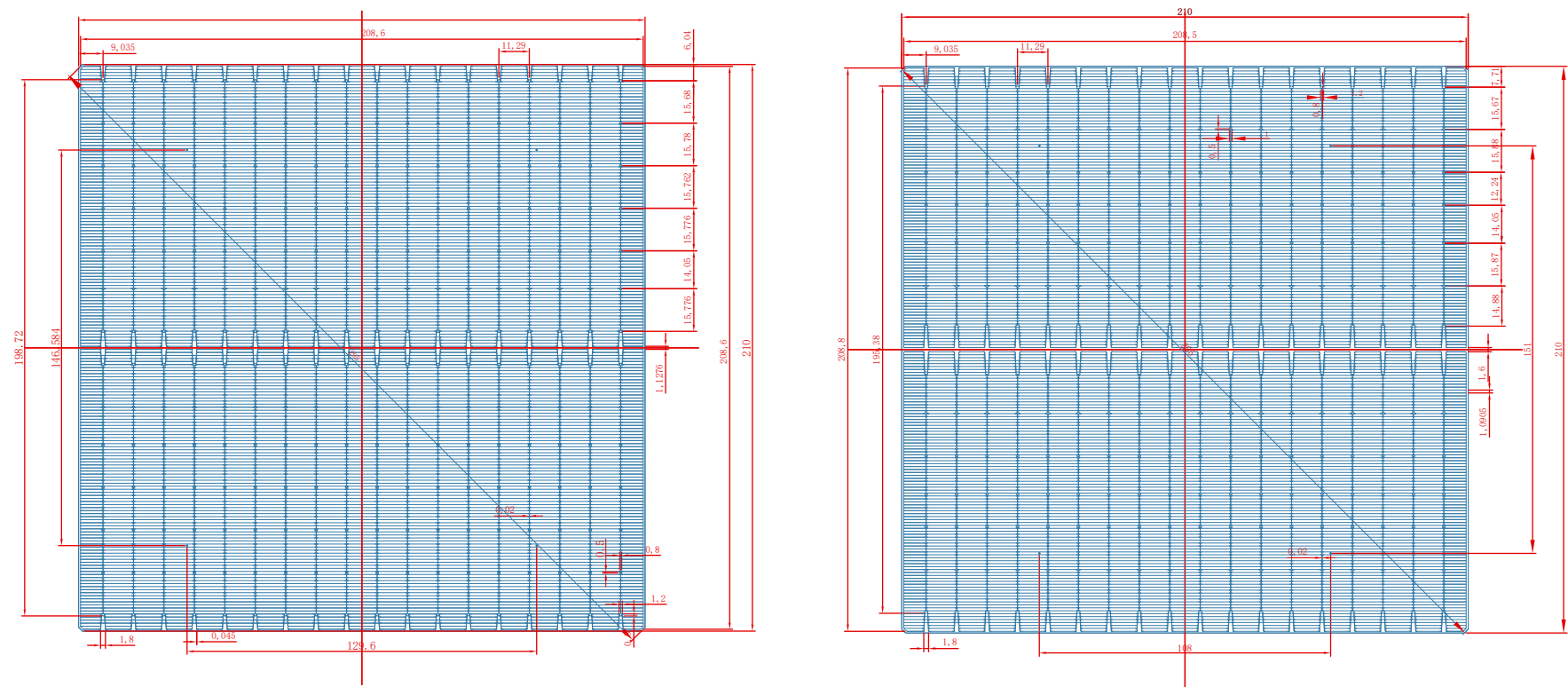
只做电池片，做更优质的电池片

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	细栅线数量 Finger quantity	210	-	Line
	正面焊盘宽度 Front busbar width	1.2*0.8/0.8*0.5	±0.3	mm
	主栅线间距 Distance between busbars	11.29	±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 busbar width	1.2*0.8/1.0*0.5	±0.3	mm
	背主栅间距 Distance between back busbars	11.29	±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

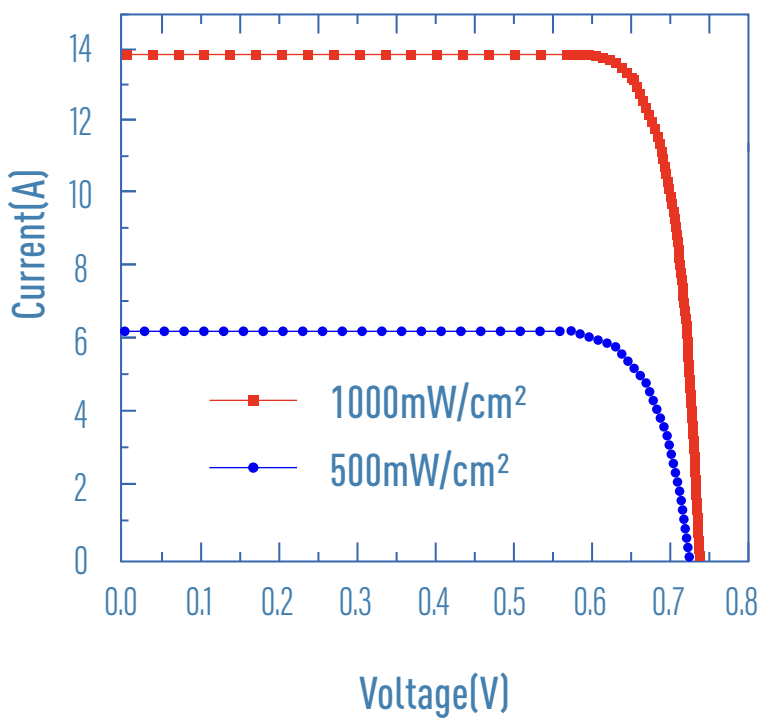
检验标准 / STC Standard

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

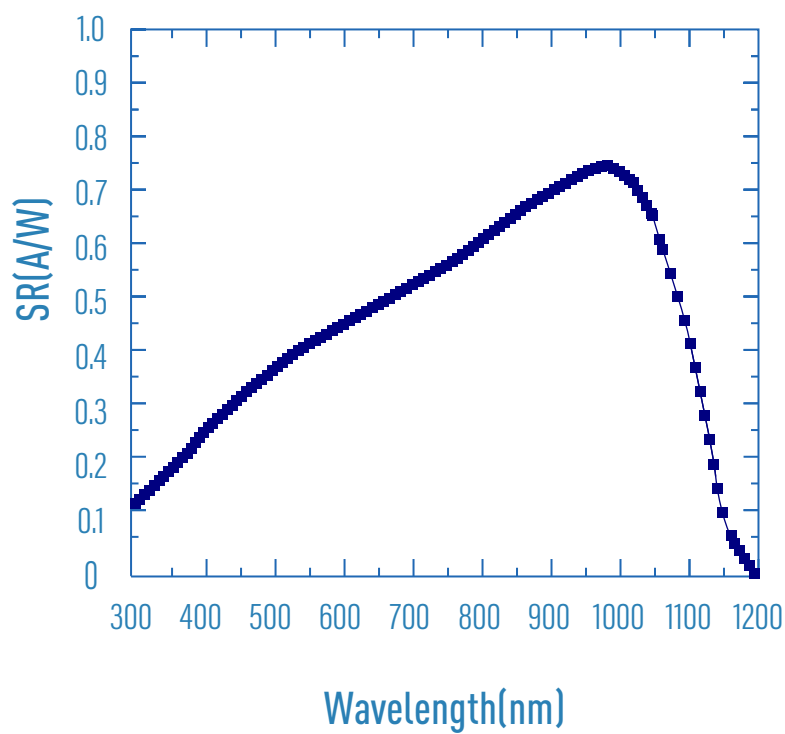
温度系数 / Temperature Coefficient

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

IV曲线 IV Curve



光谱响应 Spectrual Response(SR)



高效、低碳、低衰减