



TUVNORD



英发睿能
YINGFA RUINENG

N型16BB TOPCON双面电池规格书

182尺寸

技术数据与设计

PRODUCT SPECIFICATION

认证型号 Certification	M10-A-16BB
尺寸 Size	182mm*182mm±0.5mm/φ247±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	8.42	0.6321	13.3188	0.7224	13.7591	84.70
A2540	8.39	0.6308	13.2939	0.7209	13.7442	84.63
A2530	8.35	0.6296	13.2668	0.7189	13.7363	84.59
A2520	8.32	0.6274	13.2607	0.7175	13.7269	84.47
A2510	8.29	0.6258	13.2419	0.7165	13.7181	84.32
A2500	8.25	0.6241	13.2250	0.7159	13.6917	84.21
A2490	8.22	0.6224	13.2082	0.7147	13.6754	84.11
A2480	8.19	0.6206	13.1934	0.7134	13.6648	83.99
A2470	8.15	0.6191	13.1720	0.7119	13.6546	83.89
A2460	8.12	0.6175	13.1527	0.7104	13.6362	83.84

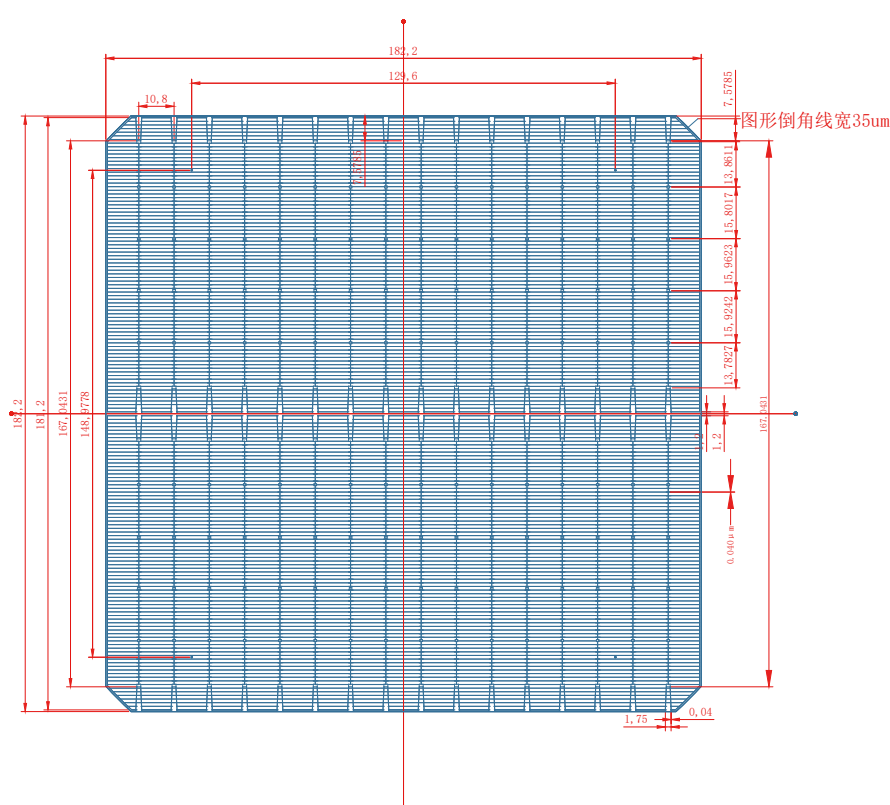
只做电池片，做更优质的电池片

产品规范

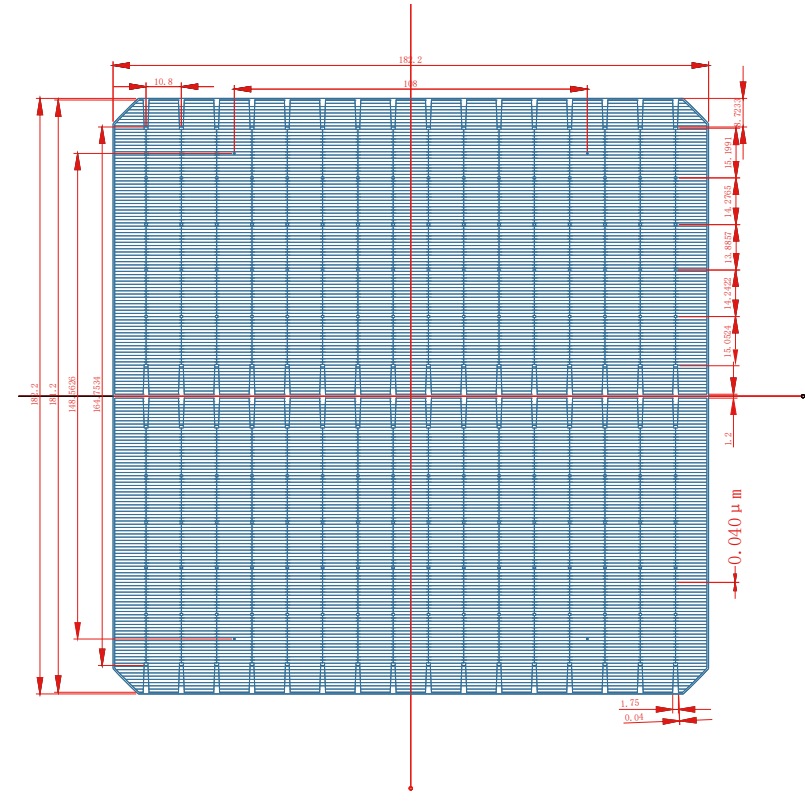
PRODUCT SPECIFICATION

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	164	-	Line
	正面焊盘宽度 Front busbar 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	184	-	Line
	背面焊盘宽度 Back busbar 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

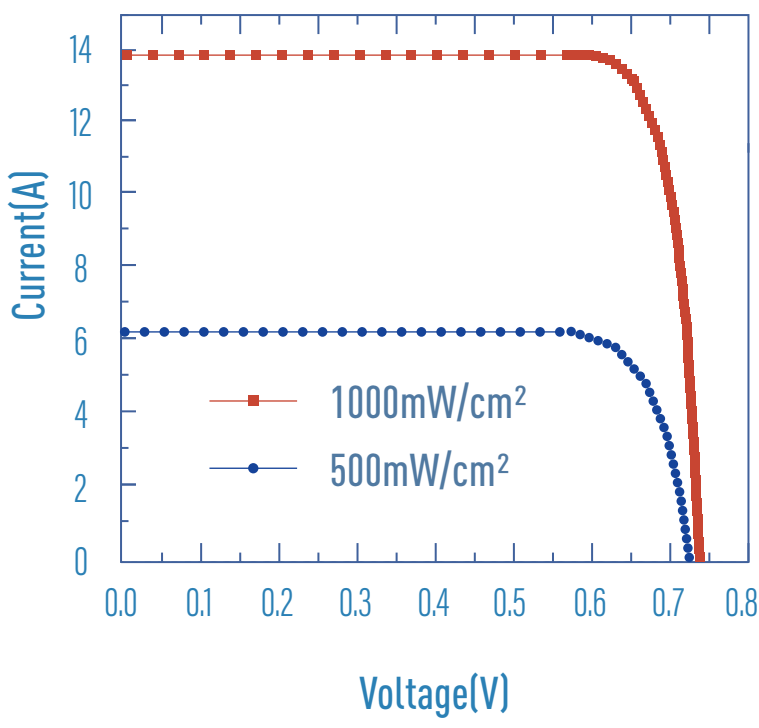
检验标准 / STC Standard

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

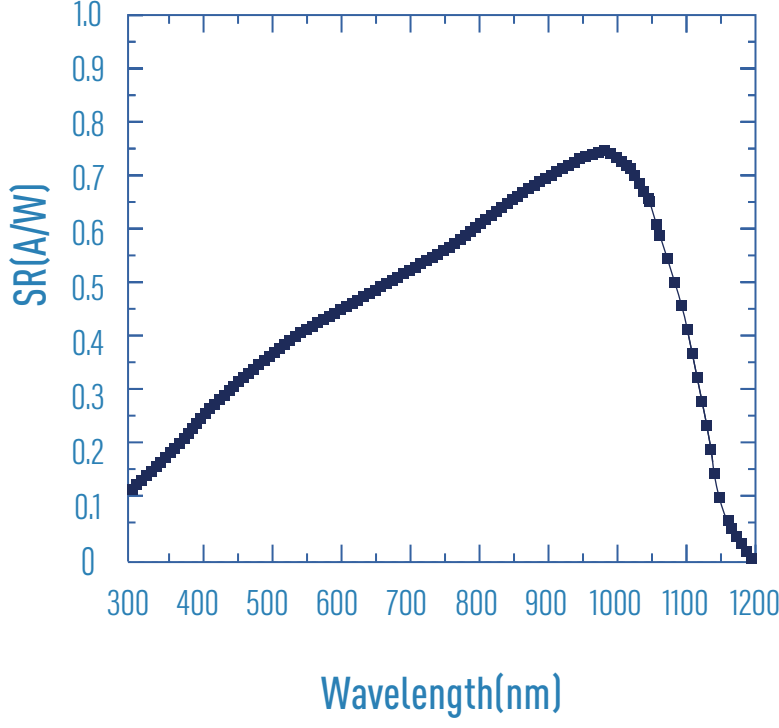
温度系数 / Temperature Coefficient

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