

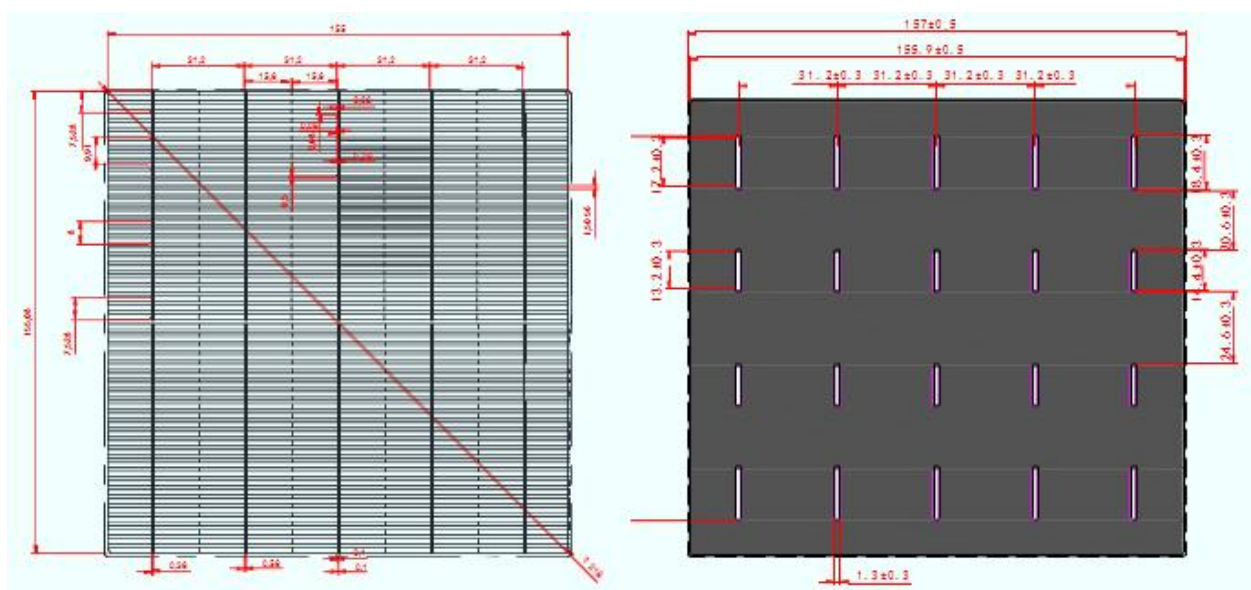


SAMEBAOT SOLAR ENERGY

Data sheet for 157mm poly cells

P1575BB104M8

Product appearance design



Technical data and design

基材材料 Substrate material	P-型多晶硅片 P-type polycrystalline silicon wafer
电池厚度 Cell thickness	180 μ m $\pm$ 20 μ m
边长 Dimension	157mm*157mm $\pm$ 0.5mm
对角线长度 Diagonal	220.7mm $\pm$ 0.5mm
正面 Front	5*0.56mm $\pm$ 0.1mm主栅线(银) 104根副栅线 , 蓝色减反射膜(氮化硅) 5*0.56mm $\pm$ 0.1mm busbars(silver) 104 fingers, Silicon oxide + blue silicon nitride compound anti-reflection coating(PID Free)
背面 Back	背电极 (银) 露白宽度 1.3 $\pm$ 0.3mm, 背面覆盖铝背场 1.3 $\pm$ 0.3mm wide soldering pads (silver) , Aluminum back-surface field

Temperature Coefficient

TkPower	-(0.4035±0.02) %/°C
TkVoltage	-(0.3283±0.03) %/°C
TkCurrent	+(0.0725±0.015) %/°C

Optical decay test

辐照度: 1000W/m², 标准太阳光谱 (AM 1.5) , 总辐照量: 5 kwh/m 2 , 电池片效率衰减 ≤ 1.5%。
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Electrical property

档位	%	19.00	18.90	18.80	18.70	18.50	18.40
开路电压	V	0.641	0.640	0.638	0.637	0.635	0.633
短路电流	A	9.060	9.039	9.021	9.001	8.957	8.933
最佳工作电压	V	0.545	0.544	0.542	0.541	0.538	0.537
最佳工作电流	A	8.570	8.561	8.541	8.520	8.466	8.442
最大输出功率	W	4.67	4.64	4.62	4.59	4.55	4.52