

## 5BB多晶PERC太阳能电池片

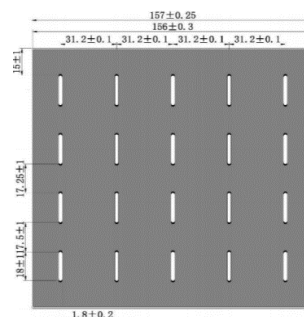
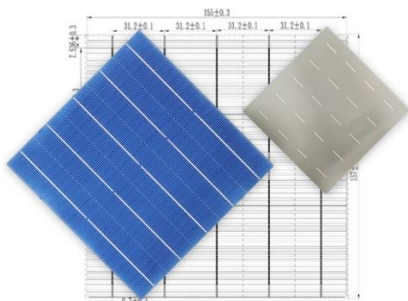
### Cell appearance/电池外观



### Appearance parameters/外观参数

项目/Items	规格/ Specification
Dimension/尺寸	157*157±0.25mm
Thickness/厚度:	190±30um
Front surface/正面:	5*0.7mm主栅线, 106根细栅线, 二氧化硅+蓝色氮化硅复合减反膜 (PID Free)
Rear surface/背面:	背电极宽度1.8mm, 背面覆盖铝背场

### Cell layout/网版图纸



### Adhesion and solderability/附着力及可焊性

#### Test items/检测项目

Adhesion of front/rear busbar/电极焊接拉力强度  
Boiled Testing/背场可靠性:

#### Test requirement / 检测标准

180度角拉焊带 (无虚焊, 过焊等不良), 焊接拉力值 $\geq 1.5N$   
电池置于75±2°C水中煮10分钟, 试验中水不浑浊, 无铝层脱落

### Light-induced degradation/光衰

#### Test items/检测项目

LID/光衰减:

#### Test requirement /检测标准

辐照度不低于5kWh/m<sup>2</sup>, 功率衰减 $\leq 1.5\%$

### Product advantages/产品优势

- 100%经过EL全检, 确保出货电池片无隐裂和断栅;
- 表面颜色均匀, 无印刷瑕疵, 外观美观;
- 低反向漏电流, PID工艺, 提高组件长期使用可靠性;
- 每档按照0.1%效率分选, 降低组件封装损耗。

### Electrical properties/电特性

#### Temperature coefficient/温度系数

Voc: -0.36%/°C  
Isc: 0.06%/°C  
Pm: -0.36%/°C

### Electrical performance/电性能

档位/Eff (%)	效率区间/Efficiency	功率/Pmpp (W)
20.3%	> 20.3%	4.99
20.2%	20.2~20.3%	4.96
20.1%	20.1~20.2%	4.94
20.0%	20.0~20.1%	4.91
19.9%	19.9~20.0%	4.89
19.8%	19.8~19.9%	4.86
19.7%	19.7~19.8%	4.84
19.6%	19.6~19.7%	4.82
19.5%	19.5~19.6%	4.79
19.4%	19.4~19.5%	4.77
19.3%	19.3~19.4%	4.74
19.2%	19.2~19.3%	4.72

#### STC/标准测试条件

Intensity/光强: 1000W/m<sup>2</sup>  
Spectrum/光谱: AM1.5  
Temperature /温度: 25°C