

## 5BB方单晶PERC太阳能电池片

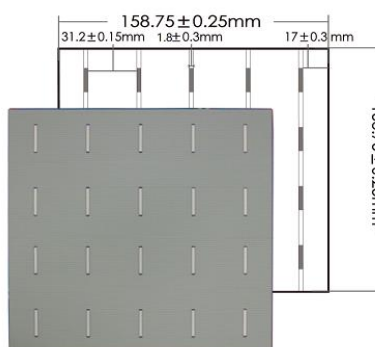
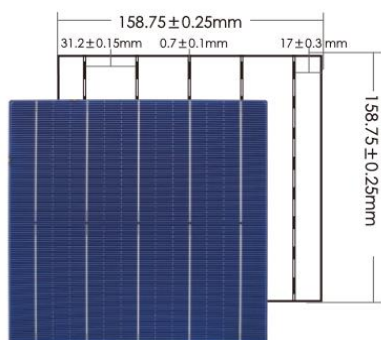
### Cell appearance/电池外观



### Appearance parameters/外观参数

项目/Items	规格/ Specification
Dimension/尺寸	158.75*158.75±0.25mm
Thickness/厚度:	190±30um
Front surface/正面:	5*0.7mm主栅线, 108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	Test requirement / 检测标准
Adhesion of front/rear busbar/电极焊接拉力强	180度角拉焊带 (无虚焊, 过焊等不良), 焊接拉力值 $\geq 1.5N$
Boiled Testing/背场可靠性:	电池置于 $75\pm 2^{\circ}C$ 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	Test requirement / 检测标准
LID/光衰减:	辐照度不低于 $5kWh/m^2$ , 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 performance/电性能

档位/ Eff (%)	效率区间/ Efficiency	功率/ Pmpp (W)
22.5%	>22.5%	5.67
22.4%	22.4~22.5%	5.65
22.3%	22.3~22.4%	5.62
22.2%	22.2~22.3%	5.59
22.1%	22.1~22.2%	5.57
22.0%	22.0~22.1%	5.54
21.9%	21.9~22.0%	5.52
21.8%	21.8~21.9%	5.49
21.7%	21.7~21.8%	5.47
21.6%	21.6~21.7%	5.44
21.5%	21.5~21.6%	5.42
21.4%	21.4~21.5%	5.39

### Electrical properties/电特性

#### Temperature coefficient/温度系数

Voc:  $-0.36\%/^{\circ}C$   
 Isc:  $0.07\%/^{\circ}C$   
 Pm:  $-0.38\%/^{\circ}C$

#### STC/标准测试条件

Intensity/光强:  $1000W/m^2$   
 Spectrum/光谱: AM1.5  
 Temperature /温度:  $25^{\circ}C$