



TUVNORD



# 183

## N型16BB TOPCon 双面电池片

只做电池片，做更优质的电池片

# N型16BB TOPCon

## 双面电池片规格书



电极  
多层减反膜  
氧化铝钝化层  
p型发射极  
n型硅片  
超薄隧穿层  
n+多晶硅层  
多层减反膜  
电极

### 技术数据与设计 / PRODUCT SPECIFICATION

|      |                                    |
|------|------------------------------------|
| 认证型号 | G10L-A-16BB                        |
| 尺寸   | 183.75mm *182.2mm±0.5mm/φ256±0.5mm |
| 电池厚度 | 130±13um                           |

### 电性能 / ELECTRICAL PERFORMANCE

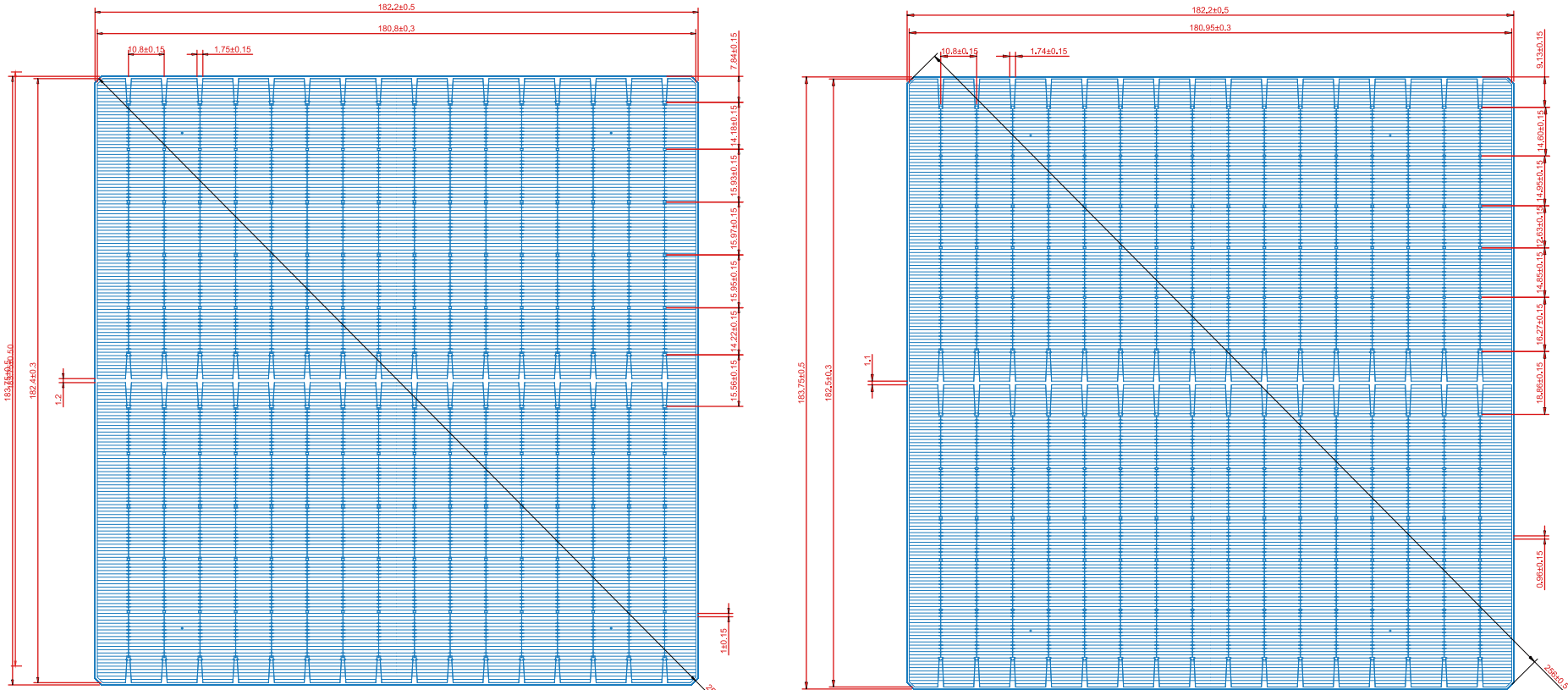
正面效率 / Front Efficiency

| Efficiency | Pmpp(W) | Umpp(V) | Impp(A) | Uoc(V) | Isc(A) | FF(%) |
|------------|---------|---------|---------|--------|--------|-------|
| A2570      | 8.60    | 0.6343  | 13.562  | 0.7264 | 13.958 | 84.84 |
| A2560      | 8.57    | 0.6332  | 13.532  | 0.7248 | 13.950 | 84.74 |
| A2550      | 8.54    | 0.6321  | 13.503  | 0.7224 | 13.949 | 84.70 |
| A2540      | 8.50    | 0.6308  | 13.478  | 0.7209 | 13.934 | 84.63 |
| A2530      | 8.47    | 0.6296  | 13.450  | 0.7189 | 13.926 | 84.59 |
| A2520      | 8.43    | 0.6274  | 13.444  | 0.7175 | 13.917 | 84.47 |
| A2510      | 8.40    | 0.6258  | 13.425  | 0.7164 | 13.908 | 84.32 |
| A2500      | 8.37    | 0.6241  | 13.408  | 0.7158 | 13.881 | 84.21 |
| A2490      | 8.33    | 0.6224  | 13.208  | 0.7147 | 13.675 | 84.11 |
| A2480      | 8.30    | 0.6206  | 13.193  | 0.7134 | 13.665 | 83.99 |

高效、低碳、低衰减

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<br>Item                             | 规格<br>Specification | 公差<br>Tolerance | 单位<br>Unit |
|-------------|----------------------------------------|---------------------|-----------------|------------|
| 正面<br>Front | 正面细栅线数量<br>Front Finger quantity       | 184                 | -               | Line       |
|             | 正面焊盘宽度<br>Front Pad Width              | 1.2*0.8/0.8*0.6     | ±0.3            | mm         |
|             | 主栅线间距<br>Distance between busbars      | 10.8                | ±0.15           | mm         |
| 背面<br>Back  | 背面细栅线数量<br>Back finger quantity        | 190                 | -               | Line       |
|             | 背面焊盘宽度<br>Back Pad Width               | 1.2*0.8/0.8*0.6     | ±0.3            | mm         |
|             | 背主栅间距<br>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

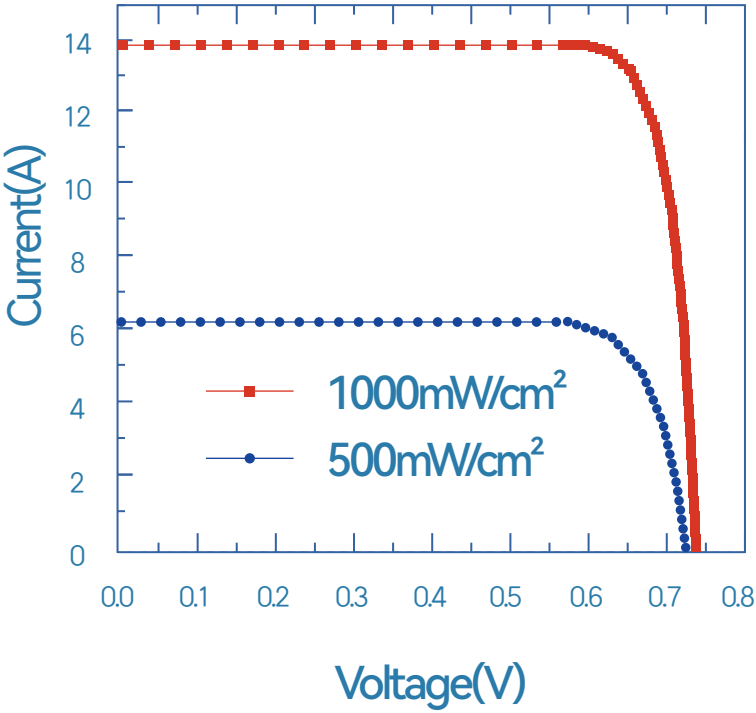
检验标准 / STC Standard

|                |                       |
|----------------|-----------------------|
| a. Intensity   | 1000 W/m <sup>2</sup> |
| b. Spectrum    | CTL1-3A               |
| c. Temperature | 25°C                  |

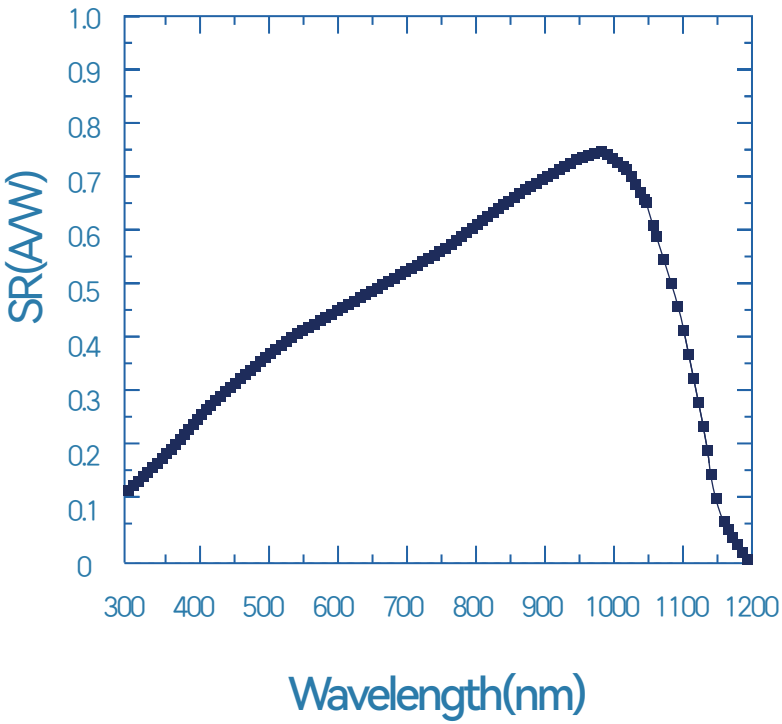
温度系数 / Temperature Coefficient

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

IV曲线



频谱响应 (SR)



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