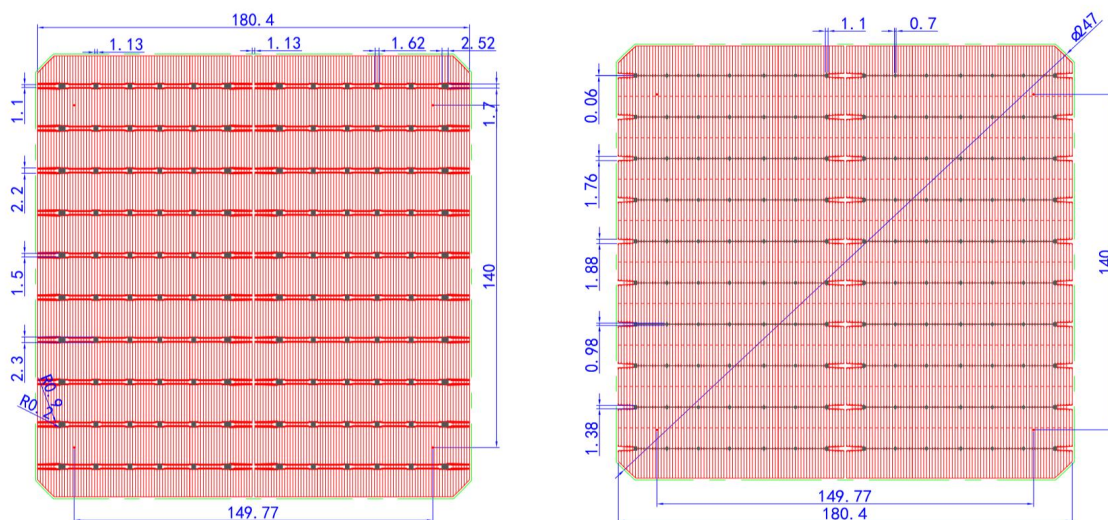


## 苏州爵诚电子科技有限公司

### 光伏单晶M182 SE PERC太阳能电池

#### 产品外观

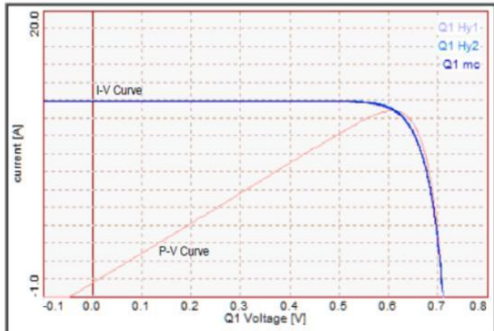


背面

正面

#### 技术数据和设计

|       |                                   |                     |
|-------|-----------------------------------|---------------------|
| 尺寸    | 182mm*182mm±0.25 mm,247mm±0.2 5mm | Tk电压: -0.47%/K      |
| 厚度    | 170±20 μm                         | Tk电流: +0.010%/K     |
| 正面(+) | 氧化硅+蓝色氮化硅复合防反射涂层（无PID）半切设计；       | Tk功率: -0.5%/K       |
| 背面(-) | 钝化层（AlOx和SiNx）和后接触（Al）。           | Rsh≥50Ω, Irev2≤1.5A |

| 光强度依赖性                            |       |       | IV                                                                                 |        |
|-----------------------------------|-------|-------|------------------------------------------------------------------------------------|--------|
| 强度(W/m <sup>2</sup> )             | Voc   | Isc   |  |        |
| 1000                              | 1.000 | 1.000 |                                                                                    |        |
| 800                               | 0.988 | 0.801 |                                                                                    |        |
| 600                               | 0.975 | 0.602 |                                                                                    |        |
| 400                               | 0.964 | 0.403 |                                                                                    |        |
| 200                               | 0.941 | 0.201 |                                                                                    |        |
| 降低强度下的Voc (Isc) 与1000W/m时的Voc的比值。 |       |       | 可焊性                                                                                |        |
|                                   |       |       | 最小剥离强度                                                                             | ≥1N/mm |
|                                   |       |       | 由于不同的带材、焊接方法和参数，结果可能会有所不同。                                                         |        |

| 产品型号         | 效率(%)  | Pmpp(W ) | Umpp(V ) | Impp(A) | Uoc(V) | Isc(A) | FF(%)  |
|--------------|--------|----------|----------|---------|--------|--------|--------|
| JCM10MP2/A1  | 23.60% | 7.792    | 605.2    | 12.875  | 700.6  | 13.503 | 82.37% |
| JCM10MP2/A2  | 23.50% | 7.759    | 602.9    | 12.869  | 699.6  | 13.495 | 82.17% |
| JCM10MP2/A3  | 23.40% | 7.726    | 600.3    | 12.856  | 698.1  | 13.477 | 82.13% |
| JCM10MP2/A4  | 23.30% | 7.694    | 599.0    | 12.845  | 695.8  | 13.465 | 82.12% |
| JCM10MP2/A5  | 23.20% | 7.659    | 597.4    | 12.820  | 694.2  | 13.436 | 82.11% |
| JCM10MP2/A6  | 23.10% | 7.627    | 596.2    | 12.792  | 692.6  | 13.416 | 82.09% |
| JCM10MP2/A7  | 23.00% | 7.593    | 593.5    | 12.784  | 691.4  | 13.411 | 81.89% |
| JCM10MP2/A8  | 22.90% | 7.561    | 592.5    | 12.761  | 691.0  | 13.405 | 81.63% |
| JCM10MP2/A9  | 22.80% | 7.529    | 589.3    | 12.752  | 690.5  | 13.396 | 81.39% |
| JCM10MP2/A10 | 22.70% | 7.493    | 587.7    | 12.745  | 689.2  | 13.387 | 81.21% |
| JCM10MP2/A11 | 22.60% | 7.461    | 584.5    | 12.733  | 687.4  | 13.379 | 81.13% |
| JCM10MP2/A12 | 22.50% | 7.429    | 583.8    | 12.711  | 686.0  | 13.362 | 81.05% |
| JCM10MP2/A13 | 22.40% | 7.396    | 582.3    | 12.702  | 684.0  | 13.355 | 80.97% |
| JCM10MP2/A14 | 22.30% | 7.362    | 581.2    | 12.666  | 683.7  | 13.345 | 80.69% |
| JCM10MP2/A15 | 22.20% | 7.328    | 580.9    | 12.636  | 682.7  | 13.316 | 80.61% |
| JCM10MP2/A16 | 22.10% | 7.296    | 580.1    | 12.581  | 681.0  | 13.299 | 80.55% |