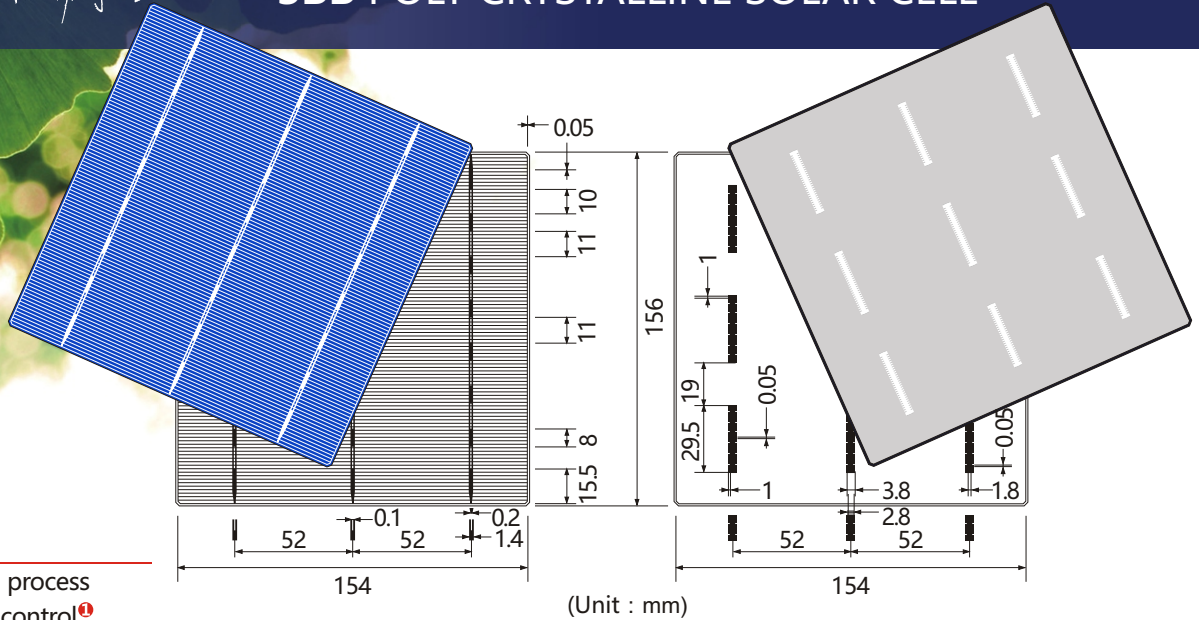


绿色瑞晶 把握未来
Green Risun Grasp future

RSC156P-PID RESISTANT 3BB POLY CRYSTALLINE SOLAR CELL



FEATURES

- Ozonized PID resistant process
- Tighter color variation control^①
- <math>< 1.0\text{ mm}</math> graphite boat button size^②
- >2.0N peel strength for Front Ag busbar^③
- >2.5N peel strength for Back Ag busbar^③
- Cell bow <math>< 2.0\text{ mm}</math>

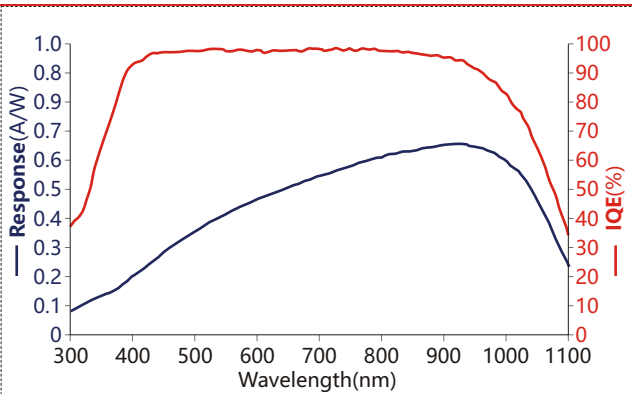
MECHANICAL DATA & DESIGN

| | |
|-----------|--|
| Format | 156 × 156mm ± 0.5mm |
| Thickness | 220 ± 20μ / 200 ± 20μ |
| Front | 1.4mm wide discontinuous BB SiN Blue ARC |
| Back | 2.8mm exposed BB width Al BSF |

TEMPERATURE COEFFICIENTS^④

| | |
|---------|------------|
| Voc (β) | -0.37% /°C |
| Isc (α) | +0.06% /°C |
| Pmp (γ) | -0.38% /°C |

SPECTRAL RESPONSE, IQE AND IRRADIANCE DEPENDENCE^④



| Irradiance W/m ² | Isc* | Voc* | Pmp* |
|-----------------------------|------|------|------|
| 1000 | 1.00 | 1.00 | 1.00 |
| 800 | 0.80 | 0.99 | 0.79 |
| 600 | 0.60 | 0.98 | 0.59 |
| 400 | 0.40 | 0.96 | 0.39 |
| 200 | 0.20 | 0.93 | 0.19 |

Values normalized to 1000 W/m² Irradiance

CELL SPECIFICATION

| Eff, % | Pmpp, W | Umpp, V | Impp, A | Uoc, V | Isc, A | FF, % |
|--------|---------|---------|---------|--------|--------|-------|
| 18.2 | 4.42 | 0.532 | 8.307 | 0.634 | 8.839 | 78.9 |
| 18.1 | 4.40 | 0.532 | 8.281 | 0.634 | 8.809 | 78.9 |
| 18.0 | 4.38 | 0.532 | 8.238 | 0.633 | 8.763 | 78.9 |
| 17.9 | 4.36 | 0.531 | 8.204 | 0.632 | 8.729 | 78.9 |
| 17.8 | 4.33 | 0.530 | 8.173 | 0.631 | 8.698 | 78.9 |
| 17.7 | 4.31 | 0.529 | 8.143 | 0.630 | 8.670 | 78.8 |
| 17.6 | 4.28 | 0.528 | 8.113 | 0.629 | 8.642 | 78.8 |
| 17.5 | 4.26 | 0.527 | 8.087 | 0.628 | 8.621 | 78.6 |
| 17.4 | 4.23 | 0.525 | 8.064 | 0.627 | 8.599 | 78.5 |
| 17.3 | 4.21 | 0.523 | 8.042 | 0.626 | 8.580 | 78.4 |
| 17.2 | 4.19 | 0.522 | 8.019 | 0.625 | 8.554 | 78.4 |
| 17.1 | 4.16 | 0.521 | 7.993 | 0.624 | 8.533 | 78.2 |
| 17.0 | 4.14 | 0.519 | 7.969 | 0.623 | 8.501 | 78.2 |
| 16.8 | 4.09 | 0.517 | 7.911 | 0.621 | 8.448 | 77.9 |
| 16.6 | 4.04 | 0.515 | 7.844 | 0.620 | 8.388 | 77.7 |
| 16.4 | 3.99 | 0.512 | 7.790 | 0.619 | 8.341 | 77.4 |

Measurements at Standard Test Conditions (STC), 1000W/m², 25°C, AM1.5G Spectrum

- ① Ref: Risun Solar Optical Inspection Standard; Please contact sales@risunsolar.com for the document.
- ② Graphite button mark not protruding the extreme fingers or cover fingers.
- ③ Peel strength test referenced to 180° peel angle using Auto Tab Pull Tester.
- ④ Temperature coefficients, Spectral response and IQE curve measured at National Center of Supervision and Inspection on Solar PV products Quality, CPVT Testing lab, Wuxi, China.

Remark: Product specifications are subject to change without notice. Risun Solar reserves the right for the final interpretation of all figures reported in this specification document.



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