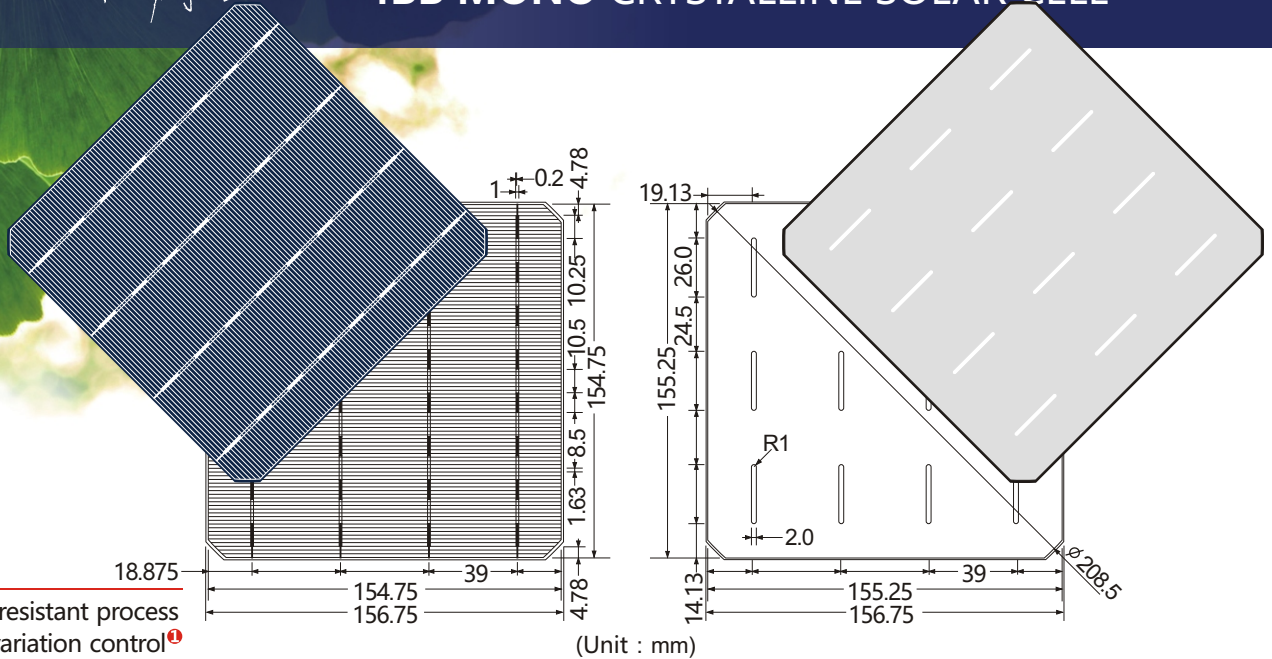


# RSC156M-PID RESISTANT 4BB MONO CRYSTALLINE SOLAR CELL



## FEATURES

- Ozonized PID resistant process
- Tighter color variation control<sup>①</sup>
- <1.0mm graphite boat button size<sup>②</sup>
- >1.5N peel strength for Front Ag busbar<sup>③</sup>
- >2.0N peel strength for Back Ag busbar<sup>③</sup>
- Cell bow <2.0mm

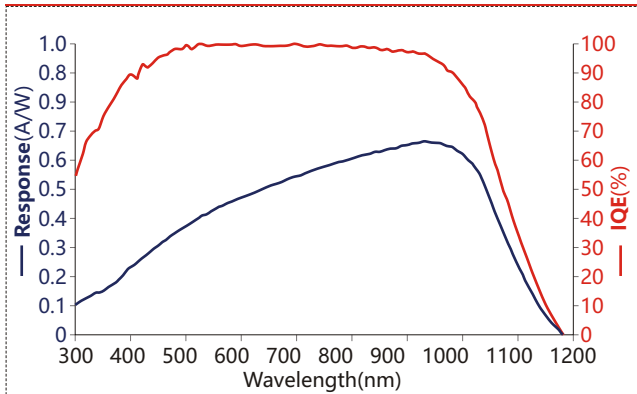
## MECHANICAL DATA & DESIGN

|           |  |
|-----------|--|
| Format    | 156.75×156.75mm, Φ210mm, tolerance±0.5mm |
| Thickness | 220 ± 20μ / 200 ± 20μ                    |
| Front     | 1.0mm wide discontinuous BB SiN Blue ARC |
| Back      | 2.0mm exposed BB width Al BSF            |

## TEMPERATURE COEFFICIENTS<sup>④</sup>

|         |            |
|---------|------------|
| Voc (β) | -0.36% /°C |
| Isc (α) | +0.07% /°C |
| Pmp (γ) | -0.38% /°C |

## SPECTRAL RESPONSE, IQE AND IRRADIANCE DEPENDENCE<sup>④</sup>



| Irradiance W/m <sup>2</sup> | 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 | 0.38 |
| 200                         | 0.20 | 0.93 | 0.18 |

Values normalized to 1000 W/m<sup>2</sup> Irradiance

## CELL SPECIFICATION

| Eff, % | Pmpp, W | Vmpp, V | Impp, A | Voc, V | Isc, A | FF, % |
|--------|---------|---------|---------|--------|--------|-------|
| 20.0%+ | 4.89    | 0.552   | 8.87    | 0.644  | 9.35   | 81.3  |
| 19.9%+ | 4.86    | 0.551   | 8.83    | 0.643  | 9.31   | 81.2  |
| 19.8%+ | 4.84    | 0.550   | 8.80    | 0.642  | 9.29   | 81.1  |
| 19.7%+ | 4.81    | 0.549   | 8.76    | 0.641  | 9.25   | 81.0  |
| 19.6%+ | 4.79    | 0.548   | 8.74    | 0.640  | 9.23   | 80.9  |
| 19.5%+ | 4.76    | 0.547   | 8.71    | 0.639  | 9.21   | 80.8  |
| 19.4%+ | 4.74    | 0.546   | 8.69    | 0.638  | 9.20   | 80.8  |
| 19.2%+ | 4.69    | 0.543   | 8.64    | 0.636  | 9.16   | 80.5  |
| 19.0%+ | 4.64    | 0.541   | 8.59    | 0.635  | 9.11   | 80.3  |

Measurements at Standard Test Conditions (STC), 1000W/m<sup>2</sup>, 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, IQE curve and Irradiance dependence 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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