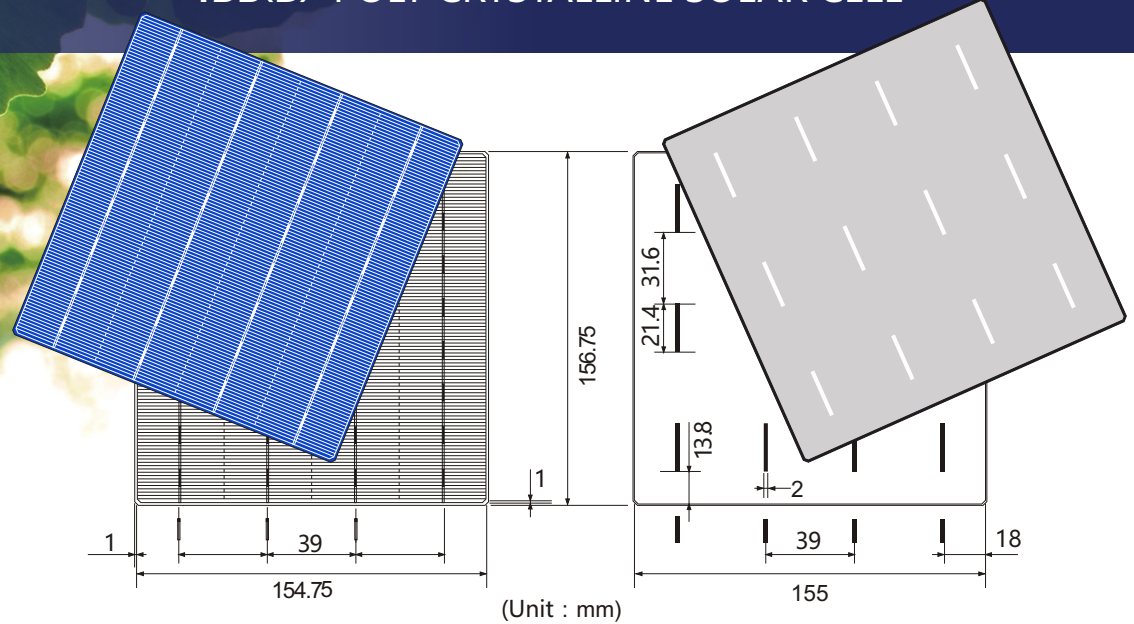


Green Risun Grasp future

RSC156P(E)-PID RESISTANT 4BB(D) POLY CRYSTALLINE SOLAR CELL



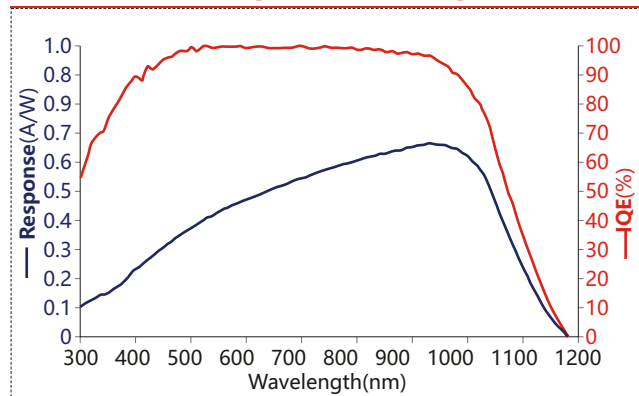
FEATURES

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

TEMPERATURE COEFFICIENTS^④

Voc (β)	-0.33% /°C
Isc (α)	+0.06% /°C
Pmp (γ)	-0.40% /°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	0.38
200	0.20	0.93	0.18

Values normalized to 1000 W/m² Irradiance

MECHANICAL DATA & DESIGN

Format	156.75mm × 156.75mm ± 0.25mm
Thickness	220 ± 20μ / 200 ± 20μ
Front	1.1mm wide discontinuous BB SiN Blue ARC
Back	2.0mm exposed BB width Al BSF

CELL SPECIFICATION

Eff, %	Pmpp, W	Vmpp, V	Impp, A	Voc, V	Isc, A	FF, %
18.60	4.57	0.540	8.50	0.638	9.02	79.67
18.50	4.55	0.538	8.47	0.637	8.99	79.63
18.40	4.52	0.537	8.45	0.636	8.97	79.45
18.30	4.50	0.535	8.43	0.634	8.95	79.41
18.20	4.47	0.533	8.41	0.633	8.94	79.25
18.10	4.45	0.531	8.39	0.632	8.93	79.08
18.00	4.42	0.529	8.37	0.631	8.92	78.88
17.90	4.40	0.529	8.34	0.629	8.89	78.87
17.80	4.37	0.528	8.30	0.629	8.87	78.60

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, 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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