

### Physical Characteristics

<b>Dimension</b>	156.0 mm x 156.0 mm ± 0.5 mm
<b>Diagonal</b>	200 mm ± 1.0 mm (round chamfers)
<b>Thickness (Si)</b>	200µm ± 30µm
<b>Front</b>	Three silver busbars, anisotropically texturized surface with dark blue silicon nitride anti-reflection coating.
<b>Back</b>	Full-surface aluminum BSF, Silver / Aluminum soldering pads.



### Electrical Characteristics

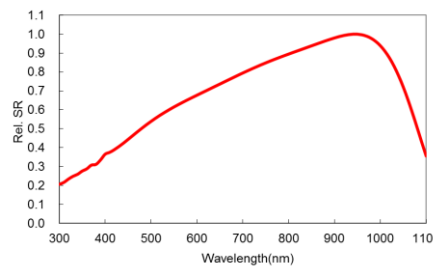
Efficiency Code	2000	1990	1980	1970	1960	1950	1940
Efficiency (%)	≥20.0	19.9	19.8	19.7	19.6	19.5	19.4
Pmax (W)	≥4.777	4.753	4.729	4.706	4.682	4.658	4.634
Vmpp (V)	0.544	0.543	0.542	0.541	0.540	0.538	0.537
I <sub>mp</sub> (A)	8.820	8.776	8.738	8.710	8.681	8.666	8.631
Voc (V)	0.644	0.643	0.642	0.641	0.640	0.639	0.639
I <sub>sc</sub> (A)	9.310	9.307	9.275	9.243	9.221	9.200	9.158

\*Data under standard testing conditions (STC): 1000 W/M<sup>2</sup>, AM1.5, 25°C. All figures bear ±5% of tolerance. The measurement of cell is calibrated by Fraunhofer ISE.  
Model name = Product code + Efficiency code. Example: B156S1D2B-1960

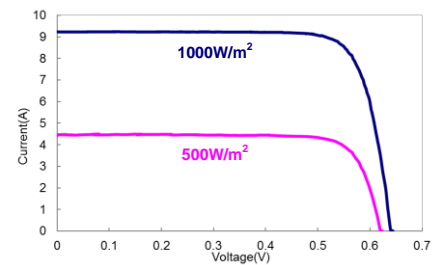
### Typical Temperature Coefficients

<b>Voltage</b>	-1.92 mV/K
<b>Current</b>	+5.16 mA/K
<b>Power</b>	-0.34%/K

### Spectral Response (SR)



### IV Curve of Cell: 1960

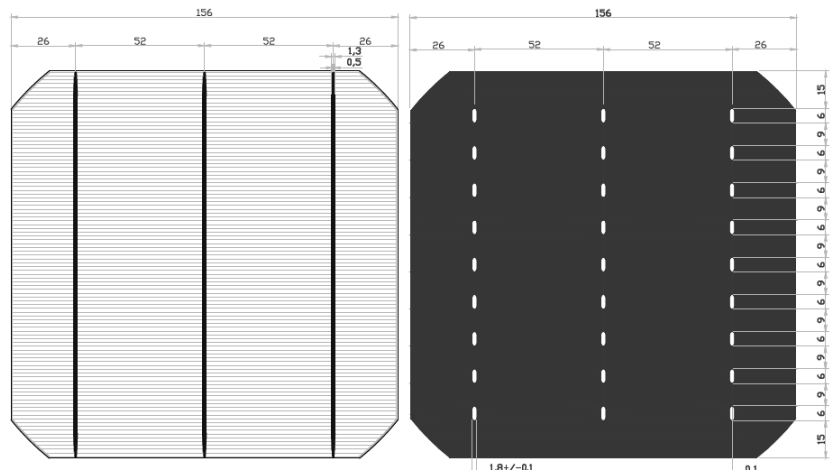


### Quality

BIG SUN's Quality system is certified by ISO 9001, Environmental Management System by ISO 14001, Occupational Health and Safety Management System by OHSAS 18001.

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Subject to specification changes without notification.