

Physical Characteristics

Dimension	156.75 mm x 156.75 mm ± 0.5 mm
Diagonal	210 mm ± 1.0 mm (round chamfers)
Thickness (Si)	200µm ± 30µm
Front	Four silver busbars, anisotropically texturized surface with dark blue silicon nitride anti-reflection coating.
Back	Full-surface aluminum BSF, Silver / Aluminum soldering pads.



Electrical Characteristics

Efficiency Code	2010	2000	1990	1980	1970	1960
Efficiency (%)	20.1	20.0	19.9	19.8	19.7	19.6
Pmax (W)	4.910	4.886	4.862	4.837	4.813	4.788
Vmpp (V)	0.549	0.549	0.548	0.547	0.545	0.544
I _{mp} (A)	8.954	8.921	8.900	8.875	8.854	8.829
Voc (V)	0.647	0.646	0.646	0.645	0.644	0.642
I _{sc} (A)	9.429	9.396	9.377	9.354	9.337	9.320

*Data under standard testing conditions (STC): 1000 W/M², 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: B156X1D4A-1970

Typical Temperature Coefficients

Voltage	-0.3144%/°C
Current	+0.0337%/°C
Power	-0.3388%/°C

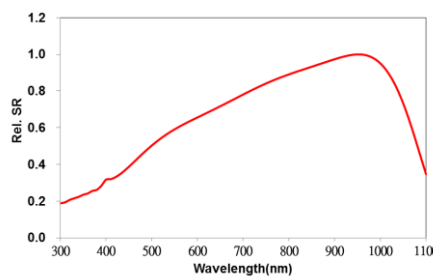
Quality

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.

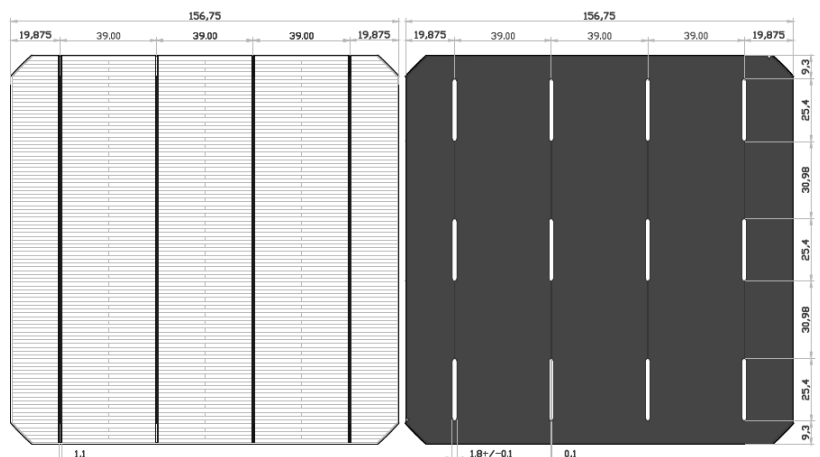
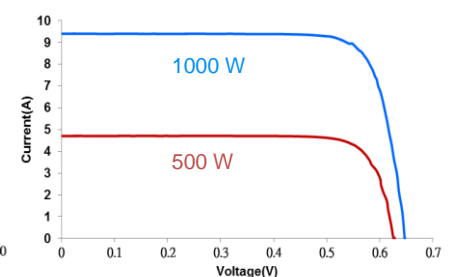
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Spectral Response (SR)



IV Curve of Cell: 1980



Subject to specification changes without notification.