

6'' Mono-Crystalline Silicon Solar Cell (3 busbar, Alkali):V03

PHYSICAL CHARACTERISTICS

Dimension	156mm x 156mm ± 0.5mm
Diagonal:	200mm ± 1.0mm (round chamfers)
Thickness	240μm ± 40μm
Front:	Silver bus bars; Dark blue/others silicon nitride antireflection coating
Back:	Silver/aluminum bus bars; Full-surface aluminum BSF

ELECTRICAL CHARACTERISTICS

Efficiency	Efficiency	Pmax (W)	Average	Impp (A)	Vmpp (V)	Isc (A)	Voc (V)
1920	>19.10	>4.562	>4.538	>8.235	>0.551	>9.027	>0.631
1900	18.90~19.10	4.514~4.562	4.538	8.236	0.551	9.027	0.631
1880	18.70~18.90	4.467~4.514	4.491	8.225	0.546	8.965	0.630
1860	18.50~18.70	4.419~4.467	4.443	8.197	0.542	8.907	0.629
1840	18.30~18.50	4.371~4.419	4.395	8.180	0.537	8.835	0.628
1820	18.10~18.30	4.323~4.371	4.347	8.165	0.532	8.775	0.628
1800	17.90~18.10	4.276~4.323	4.299	8.150	0.527	8.713	0.627
1780	17.70~17.90	4.228~4.276	4.252	8.136	0.523	8.688	0.627
1760	17.50~17.70	4.180~4.228	4.204	8.124	0.517	8.675	0.626
1740	17.30~17.50	4.132~4.180	4.156	8.068	0.515	8.589	0.626
1720	17.10~17.30	4.085~4.132	4.108	8.048	0.510	8.573	0.625
1700	16.90~17.10	4.037~4.085	4.061	8.028	0.506	8.568	0.625

* Data under standard testing conditions (STC): 1,000W/M², AM1.5, 25°C.

* All figures bear ±3% of tolerance.

* The measurement of cell is calibrated by Fraunhofer ISE.

* Model name = Product code + Efficiency code, example: **B156S1D2B-1780**

* The 6th digits of model name "1" mean that the cell front colors are dark blue, others, respectively.

* The 7th digits of model name "D" means that the cell thicknesses is 240μm.

* The 8th digits of model name "2" means that texture process used alkali process.

* The 9th digits of model name "B" means the pattern.

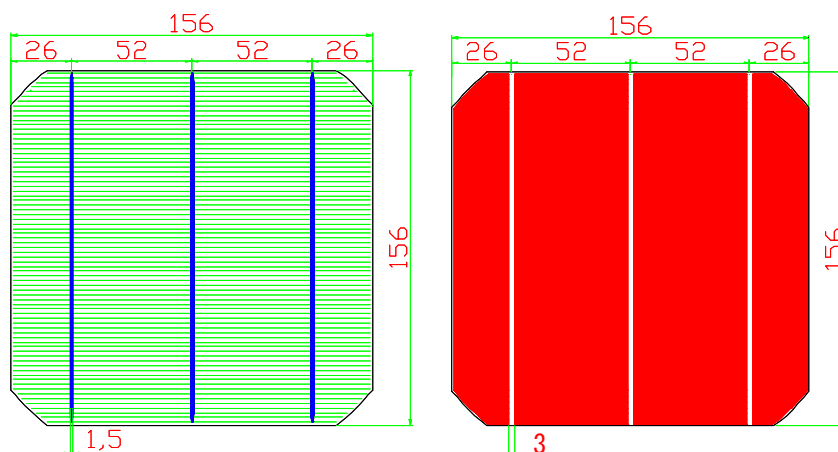
TYPICAL TEMPERATURE COEFFICIENTS

Voltage -2.15 mV/K

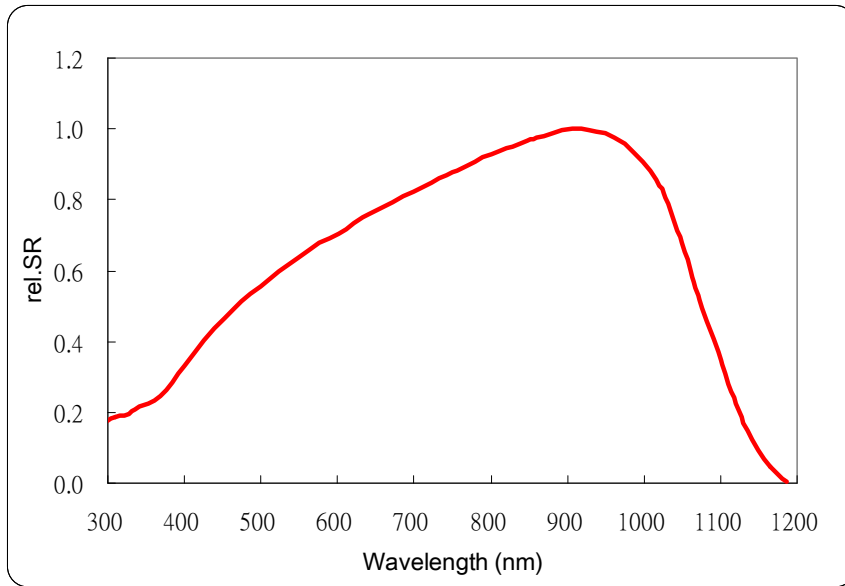
Current +4.4 mA/K

Power -0.43 %/K

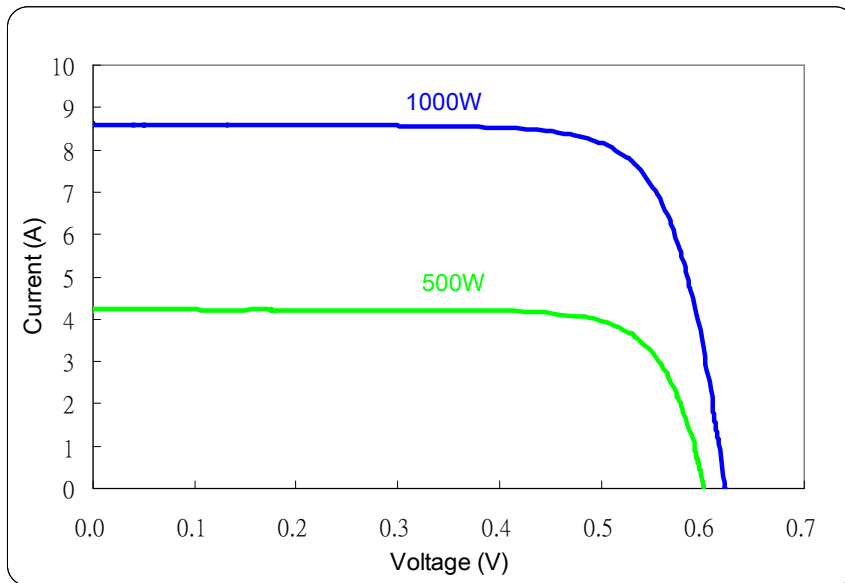
PATTERN



SPECTRAL RESPONSE:



IV-CURVE OF CELL (EFFICIENCY = 17.60%) :



PACKAGE

Typical package for one box is 1,000 cells. These cells are sealed in paper boards every 100 pcs. Gross weight per unit box shall be around 16kg.