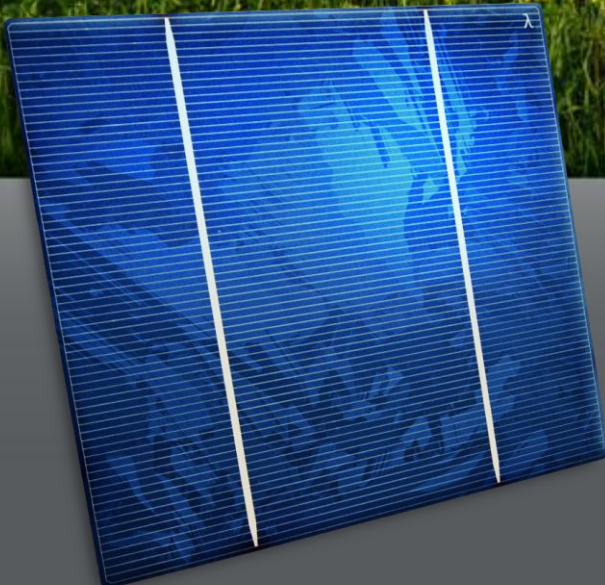




SpectraWatt
capture the sun



CrystalBlue™ Series
Multicrystalline
Photovoltaic Cells

Phone: +1 845.440.2100
www.spectrawatt.com

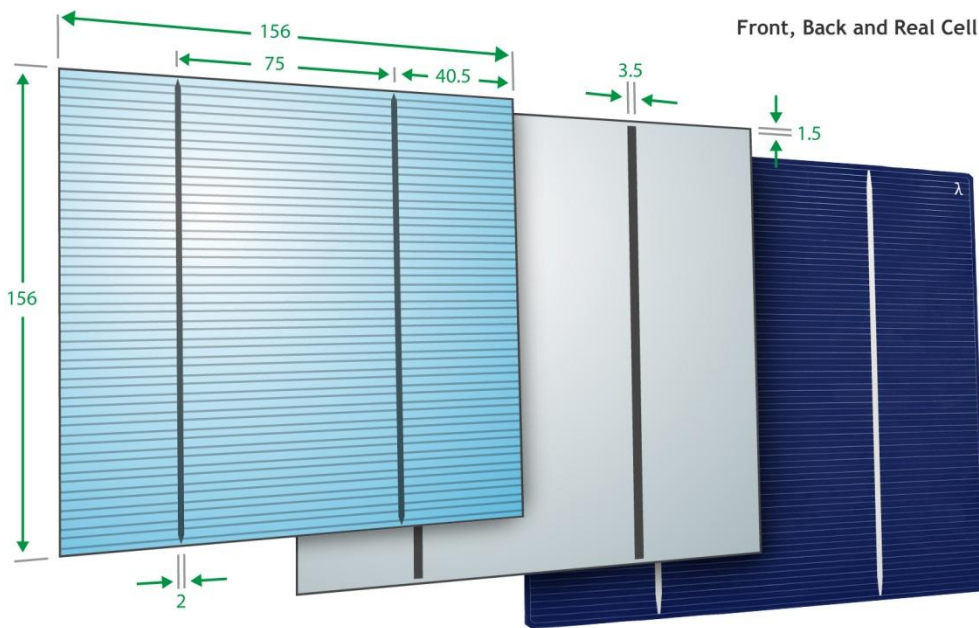


CrystalBlue™ Series Multicrystalline Photovoltaic Cells

Capture the sun with SpectraWatt's high performance CrystalBlue™ multicrystalline silicon solar cells.

Physical Characteristics

- Silicon Wafer: Multicrystalline Silicon
- Dimension: 156mm x 156mm ± 0.5mm
- Wafer Thickness: 180µm ± 30µm
- Front (-): Acid etch texturization, Blue silicon nitride antireflective coating, 2 x 2.0mm busbars (silver)
- Back (+): Full-surface aluminum back-surface field, 2 x 3.5mm busbars (silver/aluminum)



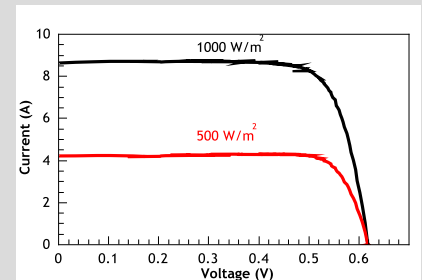
Contact Information

SpectraWatt, Inc.
Suite 400
7175 NW Evergreen Parkway
Hillsboro, OR 97124

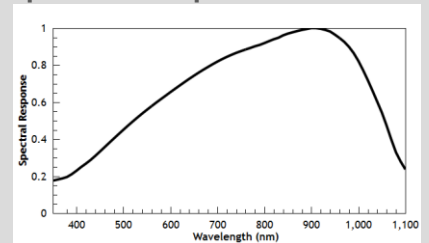
www.spectrawatt.com
Sales@spectrawatt.com

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I-V Curve



Spectral Response



Temperature Coefficients

Power	-0.40 %/K
Current	+0.06 %/K
Voltage	-0.33 %/K

Electrical Properties†

Power Class	Efficiency	Power*	Max Power Voltage*	Max Power Current*	Open Circuit Voltage*	Short Circuit Current*
	Eff (%)	Ppm (W)	Vpm (V)	Ipm (A)	Voc (V)	Isc (A)
3.65	14.9 - 15.1	3.65	0.498	7.36	0.598	7.90
3.70	15.1 - 15.3	3.70	0.500	7.42	0.601	7.96
3.75	15.3 - 15.5	3.75	0.502	7.48	0.603	8.02
3.80	15.5 - 15.7	3.80	0.504	7.54	0.606	8.08
3.85	15.7 - 15.9	3.85	0.507	7.59	0.608	8.14
3.89	15.9 - 16.1	3.89	0.510	7.64	0.611	8.18
3.94	16.1 - 16.3	3.94	0.512	7.69	0.614	8.22
3.99	16.3 - 16.4	3.99	0.519	7.67	0.619	8.19

* Reference values subject to change; SpectraWatt does not guarantee that future production will conform to these typical values.

† Data under Standard Test Conditions (STC); 1,000W/m², AM 1.5, 25°C

