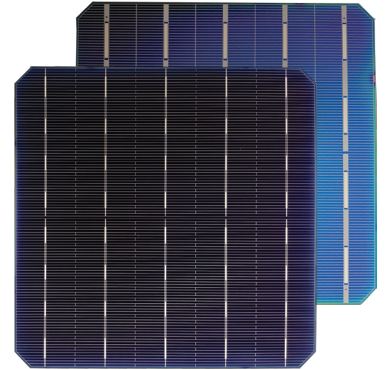


XS156B5

Monocrystalline X-Cells

Dimension	156.75mm x 156.75mm ± 0.25mm
Diagonal	210mm ± 0.25mm (Round chamfers)
Thickness(Si)	180 +20/-30 μm
Front	Anisotropically texturized surface and dark silicon nitride anti-reflection coatings 0.7± 0.1mm silver busbars
Back	Local aluminum back-surface field 1.6± 0.1mm (silver / aluminum) discontinuous soldering pads

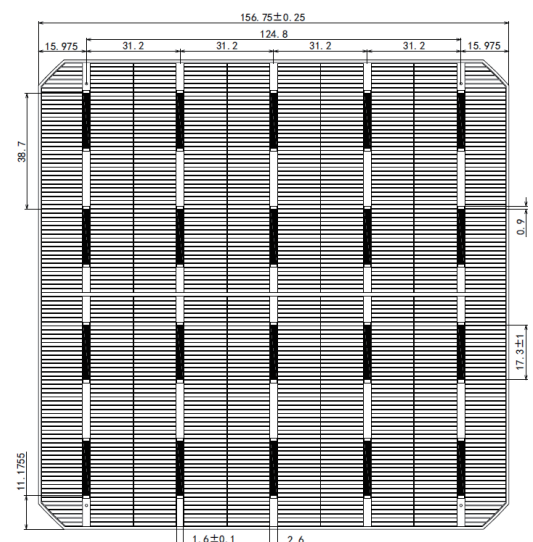
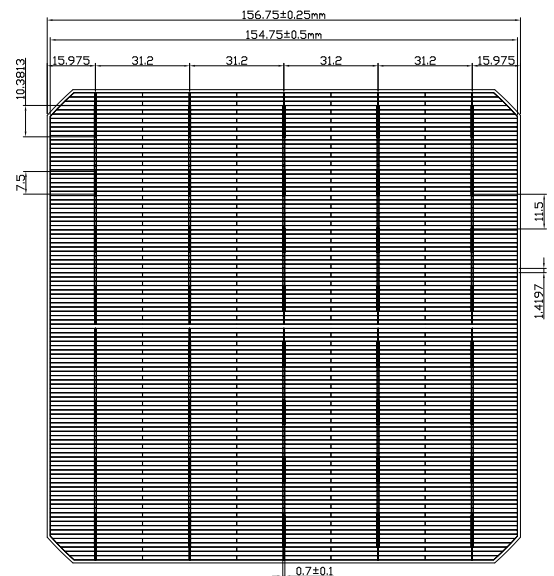


► Features

- > High conversion efficiencies resulting in superior power output performance
- > Outstanding power output even in low light or high temperature conditions
- > Optimized design for ease of soldering and lamination
- > Long-term stability, reliability and performance
- > Low breakage rate
- > Uniform Color

► Production and Quality Control

- > Precision cell efficiency sorting procedures
- > Stringent criteria for color uniformity and appearance
- > Reverse current and shunt resistance screening
- > ISO9001, ISO14001 and OHSAS 18001 certificated
- > Calibrated against Fraunhofer ISE



* See the reverse side for more detail

Electrical Performance

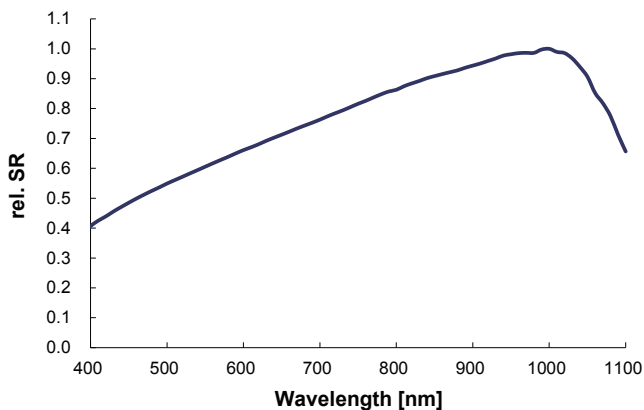
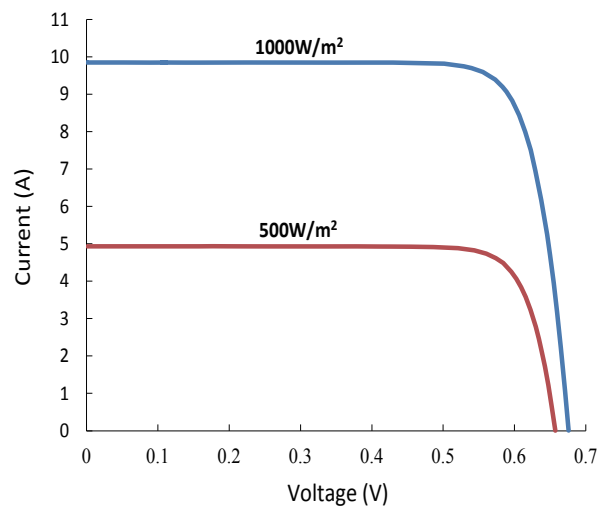
Efficiency Code		224	223	222	221	220	219	218
Efficiency	Eff (%)	22.40	22.30	22.20	22.10	22.00	21.90	21.80
Power	P _{pm} (W)	5.47	5.45	5.42	5.40	5.38	5.35	5.33
Max. Power Current	I _{pm} (A)	9.44	9.43	9.42	9.41	9.40	9.39	9.38
Short Circuit Current	I _{sc} (A)	9.94	9.94	9.94	9.93	9.93	9.92	9.92
Max. Power Voltage	V _{pm} (V)	0.579	0.578	0.575	0.574	0.572	0.570	0.568
Open Circuit Voltage	V _{oc} (V)	0.683	0.681	0.680	0.679	0.678	0.677	0.675
Efficiency Code		217	216	215	214	213	212	
Efficiency	Eff (%)	21.70	21.60	21.50	21.40	21.30	21.20	
Power	P _{pm} (W)	5.30	5.28	5.25	5.23	5.20	5.18	
Max. Power Current	I _{pm} (A)	9.37	9.36	9.35	9.33	9.31	9.30	
Short Circuit Current	I _{sc} (A)	9.91	9.91	9.90	9.90	9.90	9.89	
Max. Power Voltage	V _{pm} (V)	0.566	0.564	0.562	0.561	0.559	0.557	
Open Circuit Voltage	V _{oc} (V)	0.674	0.673	0.672	0.671	0.670	0.668	

Standard test condition : AM1.5, 1000W/m², 25°C. Average accuracy of all tested figures is ±1.5% rel.

Temperature Coefficients

Current Temperature Coefficient	α (I _{sc})	0.04%/°C
Voltage Temperature Coefficient	β (V _{oc})	-0.29%/°C
Power Temperature Coefficient	γ (P _{max})	-0.42%/°C

Standard test condition : AM1.5, 1000W/m², 25°C.

Spectral Response(SR)

IV Curve


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