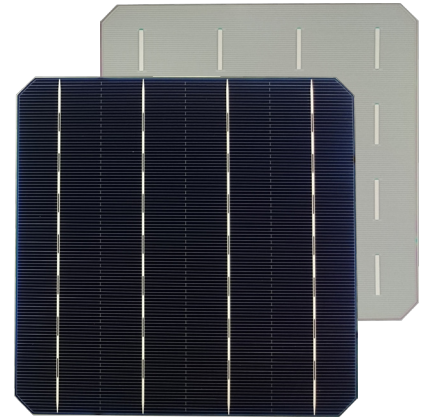


XS156B4

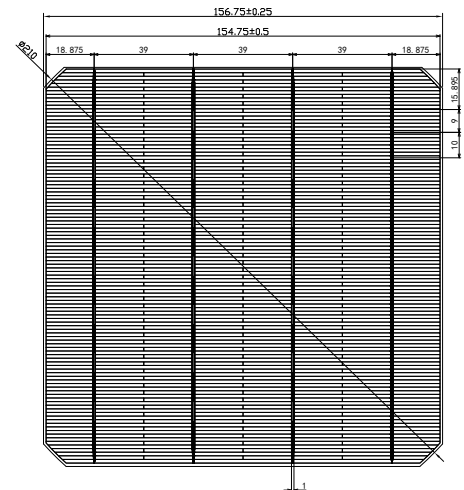
Monocrystalline X-Cells

Dimension	156.75mm x 156.75mm ± 0.25mm
Diagonal	210mm ± 0.25mm (Round chamfers)
Thickness(Si)	180+20/-30 μm
Front	Anisotropically textured surface and dark silicon nitride anti-reflection coatings 1mm silver busbars
Back	Local aluminum back-surface field 2mm (silver / aluminum) discontinuous soldering pads



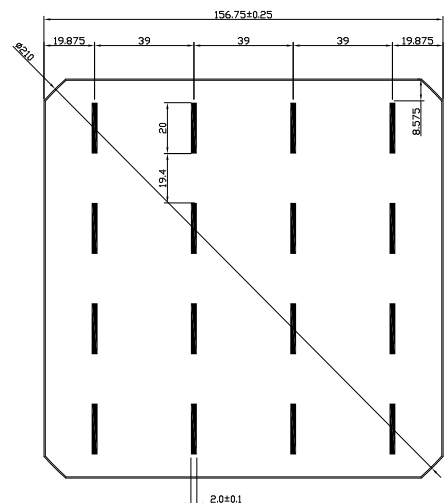
► Features

- > 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		220	219	218	217	216	215	214
Efficiency	Eff (%)	22.00	21.90	21.80	21.70	21.60	21.50	21.40
Power	P _{pm} (W)	5.38	5.35	5.33	5.30	5.28	5.25	5.23
Max. Power Current	I _{pm} (A)	9.39	9.37	9.35	9.33	9.31	9.28	9.26
Short Circuit Current	I _{sc} (A)	9.85	9.83	9.81	9.79	9.78	9.76	9.74
Max. Power Voltage	V _{pm} (V)	0.573	0.571	0.570	0.568	0.567	0.566	0.565
Open Circuit Voltage	V _{oc} (V)	0.670	0.669	0.668	0.666	0.665	0.664	0.664

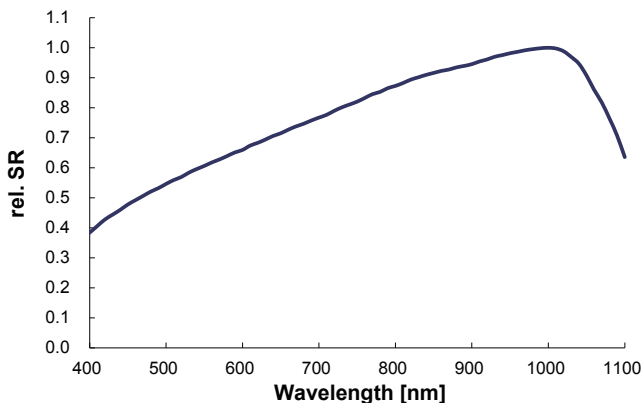
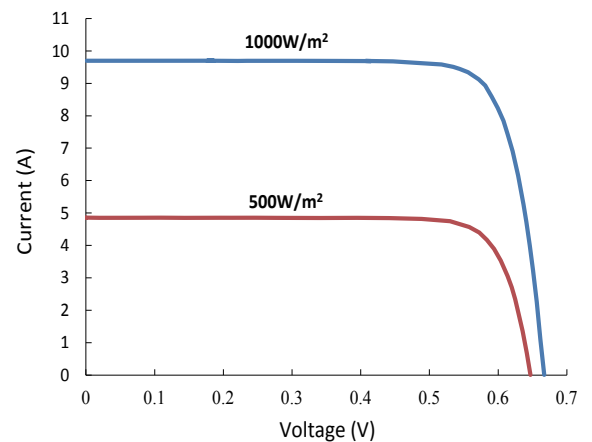
Efficiency Code		213	212	211	210	209	208	206
Efficiency	Eff (%)	21.30	21.20	21.10	21.00	20.90	20.80	20.60
Power	P _{pm} (W)	5.20	5.18	5.16	5.13	5.11	5.08	5.03
Max. Power Current	I _{pm} (A)	9.22	9.20	9.19	9.16	9.14	9.12	9.07
Short Circuit Current	I _{sc} (A)	9.71	9.70	9.69	9.67	9.65	9.63	9.60
Max. Power Voltage	V _{pm} (V)	0.564	0.563	0.561	0.560	0.559	0.557	0.555
Open Circuit Voltage	V _{oc} (V)	0.662	0.661	0.660	0.659	0.658	0.657	0.655

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})	-0.32 %/°C
Power Temperature Coefficient	γ (P _{max})	-0.41 %/°C

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

Spectral Response(SR)

IV Curve


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