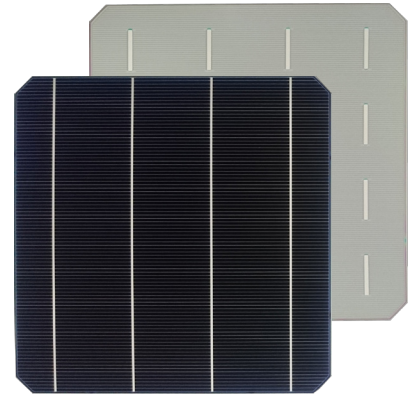


XS156B4-210R+

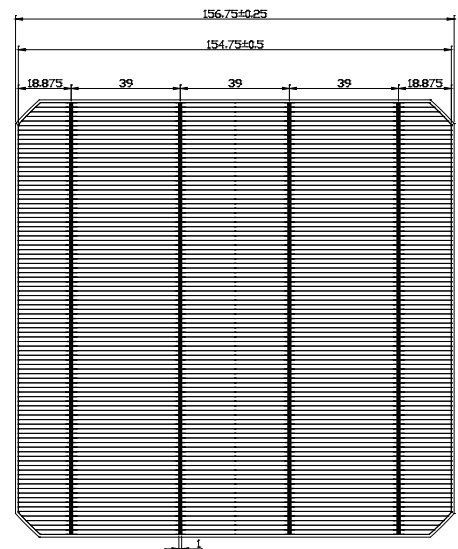
Monocrystalline X-Cells

Dimension	156.75mm x 156.75mm ± 0.25mm
Diagonal	210mm ± 0.5mm (Round chamfers)
Thickness(Si)	200µm ± 20µm
Front	Anisotropically texturized surface and dark silicon nitride anti-reflection coatings 1mm silver busbars
Back	Local aluminum back-surface field 2mm (silver / aluminum) discontinuous soldering pads



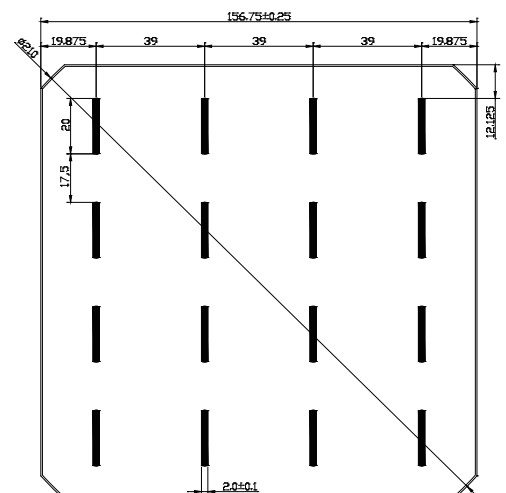
► Features

- > 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

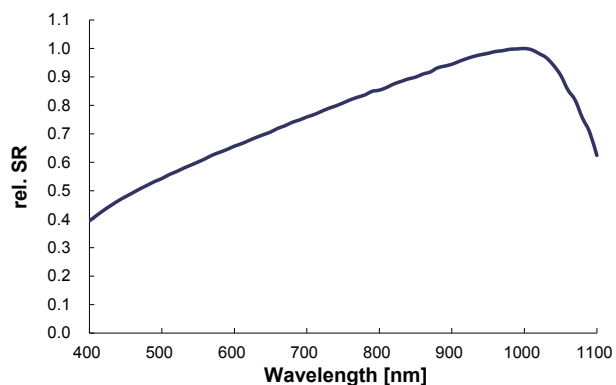
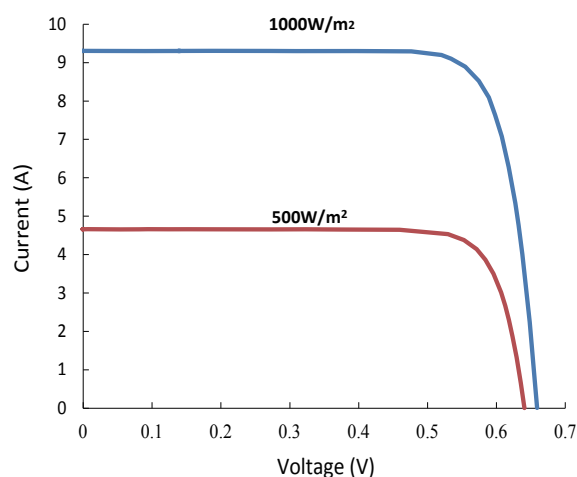
Efficiency Code		214	213	212	211	210	209
Efficiency	Eff (%)	21.40	21.30	21.20	21.10	21.00	20.90
Power	P _{pm} (W)	5.23	5.20	5.18	5.16	5.13	5.11
Max. Power Current	I _{pm} (A)	9.22	9.20	9.18	9.17	9.14	9.13
Short Circuit Current	I _{sc} (A)	9.73	9.71	9.70	9.68	9.66	9.65
Max. Power Voltage	V _{pm} (V)	0.567	0.565	0.564	0.563	0.561	0.560
Open Circuit Voltage	V _{oc} (V)	0.666	0.665	0.664	0.663	0.662	0.661
Efficiency Code		208	206	205	204	203	202
Efficiency	Eff (%)	20.80	20.60	20.50	20.40	20.30	20.20
Power	P _{pm} (W)	5.08	5.03	5.01	4.98	4.96	4.94
Max. Power Current	I _{pm} (A)	9.11	9.08	9.06	9.04	9.02	9.00
Short Circuit Current	I _{sc} (A)	9.63	9.61	9.59	9.57	9.55	9.54
Max. Power Voltage	V _{pm} (V)	0.558	0.554	0.553	0.551	0.550	0.549
Open Circuit Voltage	V _{oc} (V)	0.659	0.657	0.656	0.655	0.654	0.653

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})	-0.31 %/°C
Power Temperature Coefficient	γ (P _{max})	-0.40 %/°C

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

Spectral Response(SR)

IV Curve


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