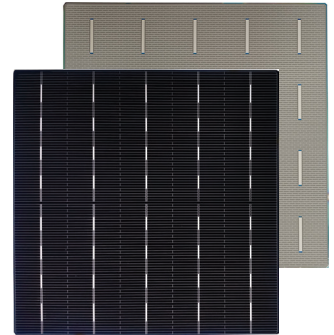


XS158B5

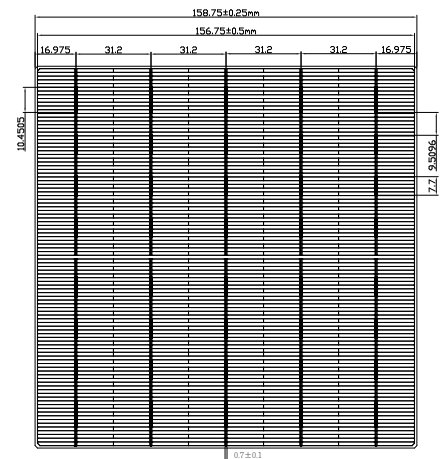
Monocrystalline X-Cells

Dimension	158.75mm x 158.75mm $\pm$ 0.25mm
Thickness(Si)	180 +20/-30 μ m
Front	Anisotropically texturized surface and dark silicon nitride anti-reflection coatings 0.7 $\pm$ 0.1mm silver busbars
Back	Local aluminum back-surface field 1.7 $\pm$ 0.1mm (silver / aluminum) discontinuous soldering pads



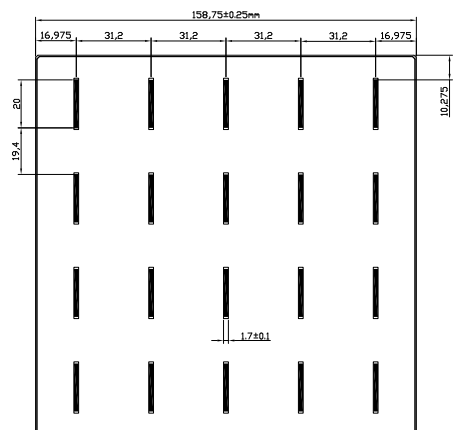
► Features

- > 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
- > ISO 9001, ISO 14001, and ISO 45001 certificated
- > Calibrated against Fraunhofer ISE



Electrical Performance

Efficiency Code		225	224	223	222	221	220
Efficiency	Eff (%)	22.50	22.40	22.30	22.20	22.10	22.20
Power	P _{pm} (W)	5.67	5.64	5.62	5.59	5.57	5.54
Max. Power Current	I _{pm} (A)	9.75	9.73	9.72	9.70	9.69	9.67
Short Circuit Current	I _{sc} (A)	10.19	10.18	10.17	10.16	10.16	10.14
Max. Power Voltage	V _{pm} (V)	0.582	0.580	0.578	0.576	0.575	0.573
Open Circuit Voltage	V _{oc} (V)	0.683	0.682	0.681	0.680	0.679	0.678
Efficiency Code		219	218	217	216	215	214
Efficiency	Eff (%)	21.90	21.80	21.70	21.60	21.50	21.40
Power	P _{pm} (W)	5.52	5.49	5.47	5.44	5.42	5.39
Max. Power Current	I _{pm} (A)	9.66	9.65	9.63	9.62	9.60	9.59
Short Circuit Current	I _{sc} (A)	10.14	10.13	10.12	10.11	10.10	10.09
Max. Power Voltage	V _{pm} (V)	0.571	0.569	0.568	0.566	0.565	0.562
Open Circuit Voltage	V _{oc} (V)	0.677	0.676	0.675	0.674	0.673	0.672

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

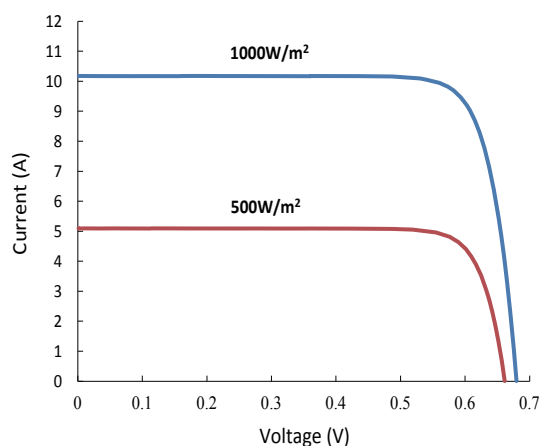
Average accuracy of all tested figures is ±1.5% rel.

Temperature Coefficients

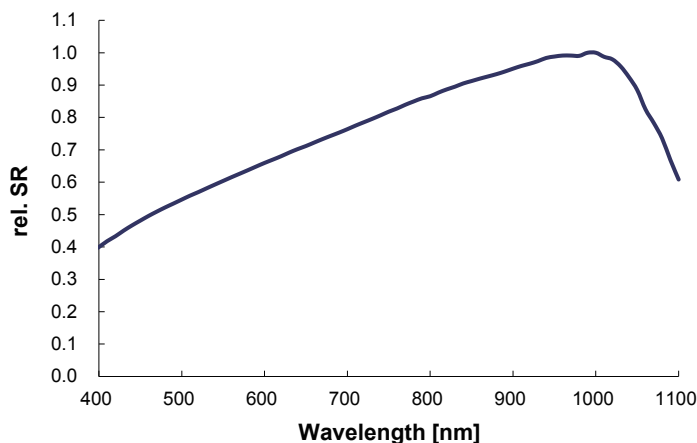
Current Temperature Coefficient	α (I _{sc})	0.04 %/°C
Voltage Temperature Coefficient	β (V _{oc})	-0.29 %/°C
Power Temperature Coefficient	γ (P _{max})	-0.38 %/°C

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

IV Curve



Spectral Response(SR)



Specifications subject to change without prior notice.
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