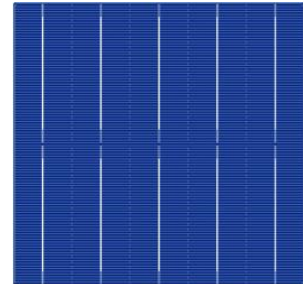


P157B5

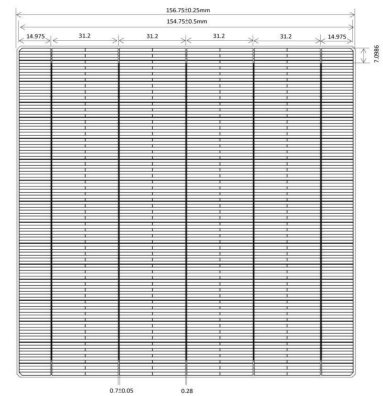
Polycrystalline cells

Dimension	157mm x 157mm ± 0.25mm
Thickness(Si)	180+20/-30μm
Front	Blue silicon nitride anti-reflection coatings 0.7 ± 0.05mm silver busbars
Back	Full-surface aluminum back-surface field 1.7mm(silver/aluminum) discontinuous soldering pads



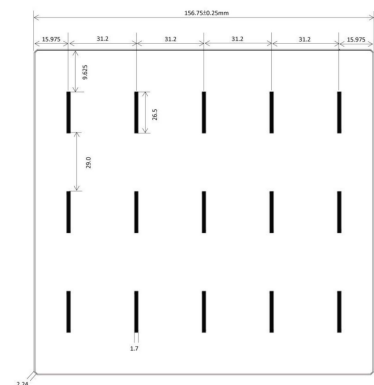
► Features

- > 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.

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P157B5

► Electrical Performance

Eff Code	Eff Range	Max. Power	Max. Power Current	Short Circuit Current	Max. Power Voltage	Open Circuit Voltage
(%)	(%)	Ppm(W)	Imp(A)	Isc(A)	Vmp(V)	Voc(V)
19.0	19.0~19.1	4.67	8.54	9.02	0.547	0.641
18.9	18.9~19.0	4.64	8.51	9.00	0.545	0.640
18.8	18.8~18.9	4.62	8.49	8.97	0.544	0.638
18.7	18.7~18.8	4.59	8.45	8.94	0.543	0.637
18.6	18.6~18.7	4.57	8.42	8.91	0.543	0.636
18.5	18.5~18.6	4.55	8.40	8.89	0.542	0.635
18.4	18.4~18.5	4.52	8.38	8.86	0.539	0.634
18.3	18.3~18.4	4.50	8.36	8.84	0.538	0.633
18.2	18.2~18.3	4.47	8.33	8.81	0.537	0.631
18.1	18.1~18.2	4.45	8.30	8.79	0.536	0.630
18.0	18.0~18.1	4.42	8.27	8.76	0.535	0.629

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

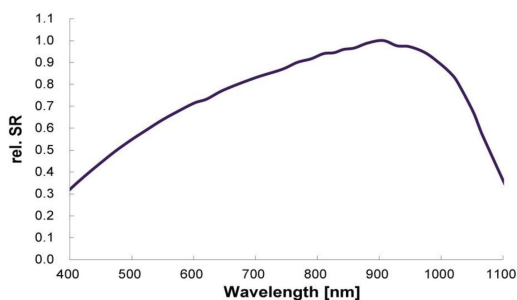
Average accuracy of all tested figures is ±1.5% rel.

► Temperature Coefficients

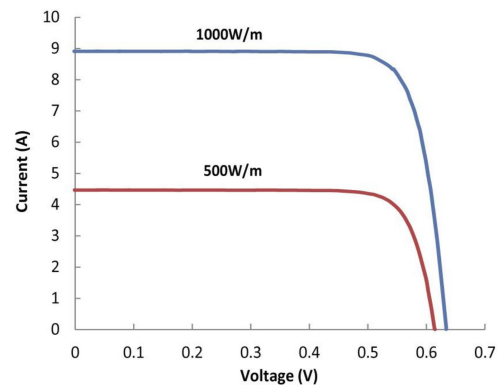
Current Temperature Coefficient	$\alpha(I_{sc})$	0.04%/°C
Voltage Temperature Coefficient	$\beta(V_{oc})$	-0.31%/°C
Power Temperature Coefficient	$\gamma(P_{max})$	-0.39%/°C

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

► Spectral Response(SR)



► IV Curve



Specifications subject to change without prior notice.
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