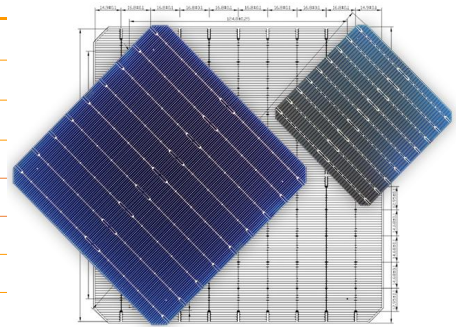


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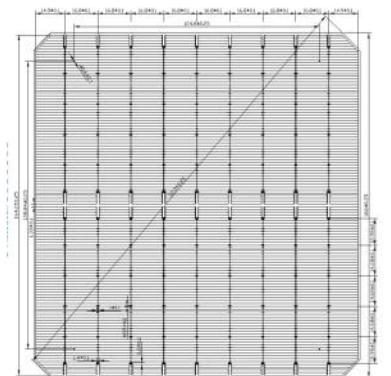
Monocrystalline Cells

Dimension	166mm*166mm±0.25mm
Diagonal	223mm±0.5mm
Thickness(Si)	190μm±30μm
Front	9 busbars(silver), width 0.1±0.03mm
	124 finger grids
Back	Blue anti-reflecting coating(silicon nitride)
	width of back electrode(silver) 1.3±0.25mm, finger grids(aluminum), dotted laser design



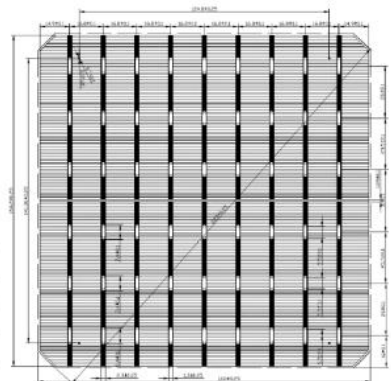
► Features

- > 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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► Electrical Performance

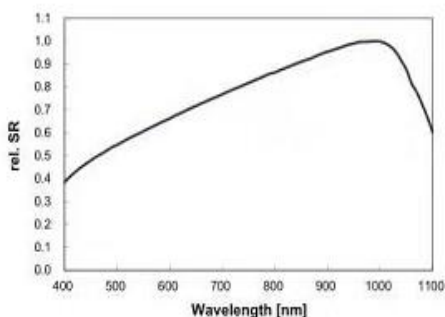
Efficiency Code		22.9	22.8	22.7	22.6	22.5	22.4
Efficiency	Eff(%)	22.90	22.80	22.70	22.60	22.50	22.40
Power	Ppm(W)	6.28	6.25	6.22	6.20	6.17	6.14
Max. Power Current	Ipm(A)	10.58	10.57	10.54	10.53	10.50	10.49
Short Circuit Current	Isc(A)	11.11	11.10	11.11	11.09	11.08	11.08
Max. Power Voltage	Vpm(V)	0.593	0.592	0.591	0.589	0.587	0.586
Open Circuit Voltage	Voc(V)	0.687	0.686	0.684	0.682	0.681	0.681
Efficiency Code		22.3	22.2	22.1	22.0	21.9	21.8
Efficiency	Eff(%)	22.30	22.20	22.10	22.00	21.90	21.800
Power	Ppm(W)	6.11	6.09	6.06	6.03	6.00	5.980
Max. Power Current	Ipm(A)	10.48	10.46	10.45	10.43	10.42	10.41
Short Circuit Current	Isc(A)	11.06	11.05	11.04	11.02	11.01	11.00
Max. Power Voltage	Vpm(V)	0.584	0.582	0.580	0.578	0.576	0.574
Open Circuit Voltage	Voc(V)	0.679	0.678	0.678	0.677	0.675	0.674

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

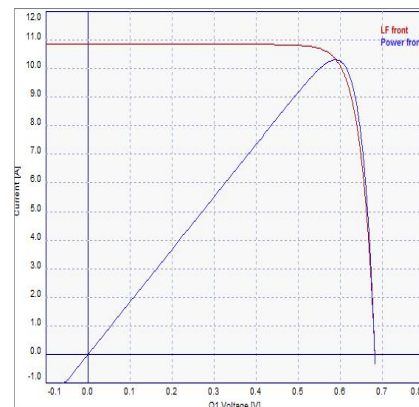
► Temperature Coefficients

Current Temperature Coefficient	$\alpha(Isc)$	0.06%/°C
Voltage Temperature Coefficient	$\beta(Voc)$	-0.36%/°C
Power Temperature Coefficient	$\gamma(Pmax)$	-0.36%/°C

► Spectral Response(SR)



► IV Curve



Specifications subject to change without prior notice.
JUSTSOLAR reserves the rights of final interpretation
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