

# M182B10B

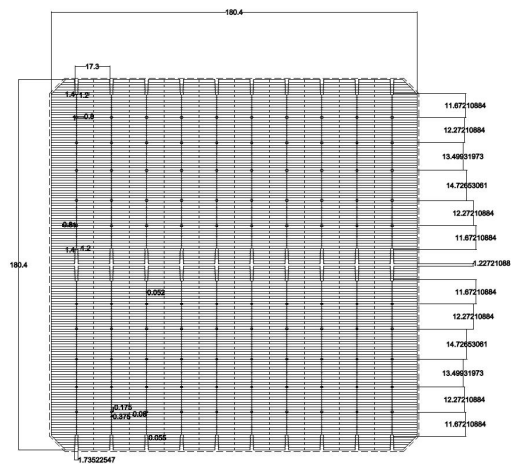
## Monocrystalline Bifacial cells

<b>Dimension</b>	182mm*182mm±0.5mm
<b>Diagonal</b>	247mm±0.5mm
<b>Thickness(Si)</b>	200µm±20µm
<b>Front</b>	10 busbars(silver), width 0.1±0.02mm
	148 finger grids
<b>Back</b>	Blue anti-reflecting coating(silicon nitride)
	width of back electrode(silver) 1.2±0.02mm, finger grids(aluminum), dotted laser design



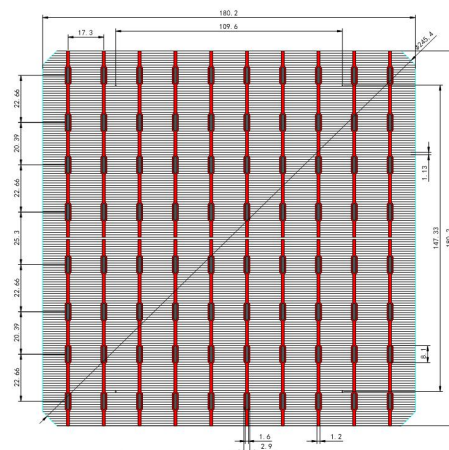
### ► Features

- > 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

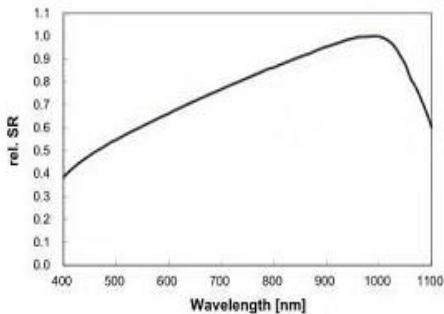
Efficiency Code		23.0	22.9	22.8	22.7	22.6	22.5
Efficiency	Eff(%)	23.00	22.90	22.80	22.70	22.60	22.50
Power	Ppm(W)	7.59	7.56	7.53	7.49	7.46	7.43
Max. Power Current	Ipm(A)	12.43	12.40	12.35	12.32	12.29	12.25
Short Circuit Current	Isc(A)	13.50	13.48	13.45	13.42	13.41	13.40
Max. Power Voltage	Vpm(V)	0.611	0.610	0.610	0.608	0.607	0.607
Open Circuit Voltage	Voc(V)	0.688	0.687	0.687	0.686	0.686	0.685
Efficiency Code		22.4	22.3	22.2	22.1	22.0	21.9
Efficiency	Eff(%)	22.40	22.30	22.20	22.10	22.00	21.90
Power	Ppm(W)	7.40	7.36	7.33	7.30	7.26	7.230
Max. Power Current	Ipm(A)	12.21	12.17	12.12	12.10	12.05	12.02
Short Circuit Current	Isc(A)	13.39	13.36	13.35	13.34	13.31	13.30
Max. Power Voltage	Vpm(V)	0.606	0.605	0.605	0.604	0.603	0.602
Open Circuit Voltage	Voc(V)	0.679	0.678	0.678	0.677	0.682	0.681

Standard test condition :AM1.5,1000W/m<sup>2</sup>, 25°C | Average accuracy of all tested figures is ±1.5% rel.

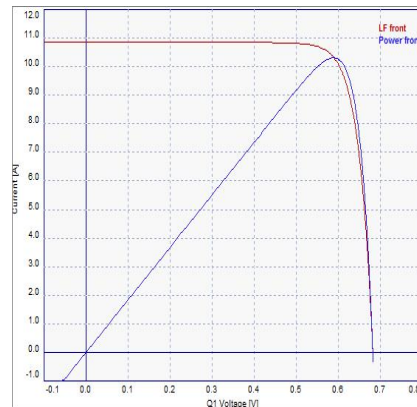
## ► Temperature Coefficients

Current Temperature Coefficient	$\alpha(Isc)$	+0.03%/K
Voltage Temperature Coefficient	$\beta(Voc)$	-0.28%/K
Power Temperature Coefficient	$\gamma(Pmax)$	-0.35%/K

## ► Spectral Response(SR)



## ► IV Curve



Specifications subject to change without prior notice.  
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