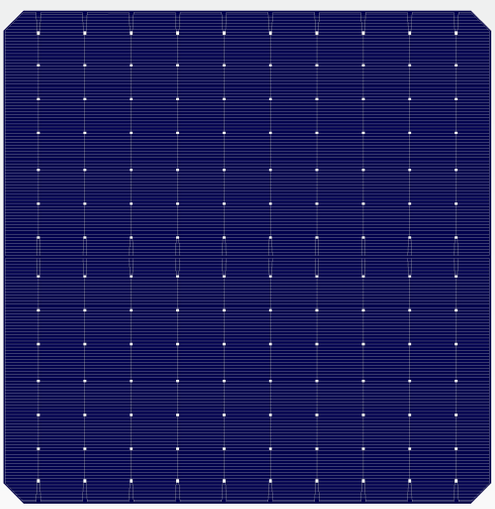
M182-10BB Data Sheet



- High conversion efficiency with high reliability
- No light-induced degradation
- Uniform cell performance with stable process control
- Both sides can generate electricity
- Low mismatch of cell performance during encapsulation
- Excellent power generation performance under low irradiation
- Low hot spot effect

TIDE SOLAR

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M182-10BB Data Sheet

TECHNICAL CHARACTERISTICS

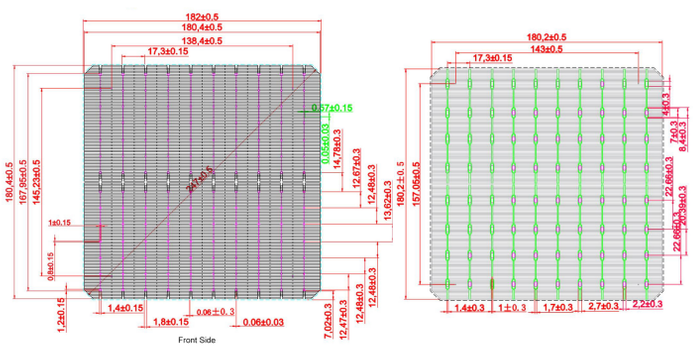
Dimension	182mm*182mm±0.5mm	TkVoltage:-0.36 %/K
Thickness	165±16.5um	TkCurrent:+0.07%/K
Front	10*0.06±0.03mm main bus bars(silver). 170 auxiliary bus bars, blue (dark blue) color black anti-reflecting coating(silicon nitride)	TkPower;-0.38%/K
Back(+)	Back electrode width(silver):1.4±0.15mm bus bars(silver),covering 180 aluminum bus bars.	Rsh≥50Ω,Irev2≤0.5A

LIGHT INTENSITY AND RELIABILITY

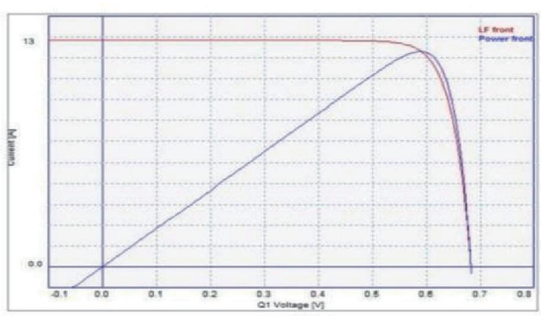
Intensity(W/m²)	Uoc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

The UOC(ISC) tested by 1000W/m² is the standard, and the ISC (ISC) decreases with the strong decrease in light.

PRINTING GRAPHICS



IV CURVE



WELDABILITY

Minimum peeling intensity ≥1.0N/mm

Results may vary depending on the welding ribbon, welding methods and conditions.

FRONT SIDE ELECTRICAL PERFORMANCE

Eff(%)	P_{mmp}(W)	Efficiency	I_{mpp}(A)	V_{mpp}(V)	ISC(A)	Voc(V)
23.3	7.69	23.3-23.4%	12.967	0.594	13.592	0.694
23.2	7.66	23.2-23.3%	12.943	0.593	13.571	0.693
23.1	7.63	23.1-23.2%	12.910	0.592	13.541	0.692
23.0	7.59	23.0-23.1%	12.882	0.591	13.515	0.692
22.9	7.56	22.9-23.0%	12.862	0.589	13.503	0.691
22.8	7.53	22.8-22.9%	12.845	0.588	13.498	0.690
22.7	7.49	22.7-22.8%	12.828	0.586	13.487	0.689
22.6	7.46	22.6-22.7%	12.800	0.585	13.464	0.688
22.5	7.43	22.5-22.6%	12.782	0.582	13.444	0.687
22.4	7.39	22.4-22.5%	12.763	0.581	13.470	0.687
22.3	7.36	22.3-22.4%	12.795	0.577	13.537	0.688
22.2	7.33	22.2-22.3%	12.706	0.579	13.458	0.688

STC:1000W/m²,AM1.5,25℃

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