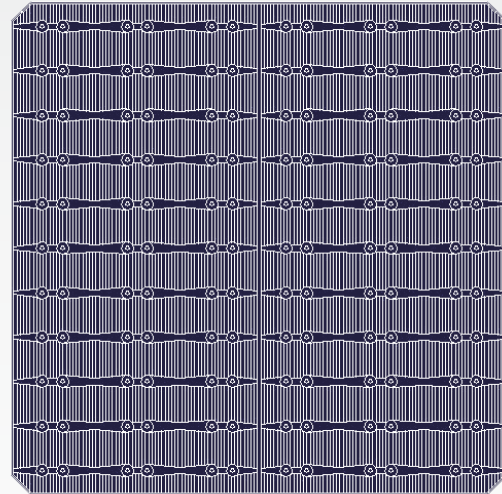
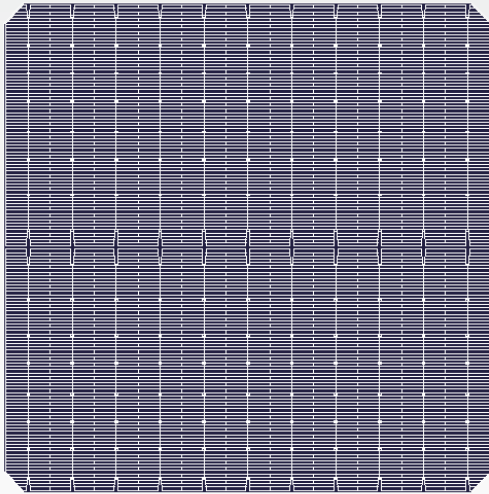


M182-11BB Data Sheet



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

TECHNICAL CHARACTERISTICS

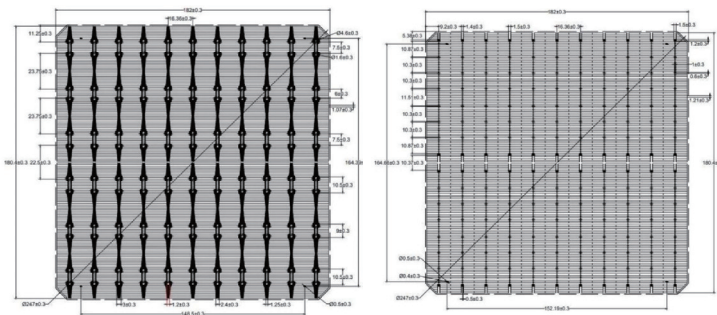
Dimension	182mm*182mm±0.5mm	TkVoltage:-0.36 %/K
Thickness	165±16.5um	TkCurrent:+0.07%/K
Front	11*0.05±0.03mm main bus bars(silver). 150 auxiliary bus bars, blue (dark blue) color black anti-reflecting coating(silicon nitride)	TkPower;-0.38%/K
Back(+)	Back electrode width(silver):1.2±0.3mm bus bars(silver),covering 170 aluminum bus bars.	Rsh≥50Ω,Irev2≤0.5A

LIGHT INTENSITY AND RELIABILITY

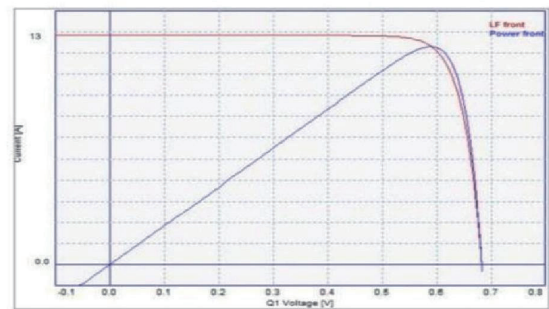
Intensity(W/m ²)	Uoc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

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 $\geq 1.0\text{N/mm}$

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

FRONT SIDE ELECTRICAL PERFORMANCE

Eff(%)	Pmp(W)	Umpp(V)	Impp(A)	Uoc(V)	ISC(A)	FF(%)
23.3	7.69	0.592	12.980	0.692	13.532	82.14
23.2	7.66	0.591	12.957	0.691	13.523	82.03
23.1	7.63	0.590	12.922	0.690	13.514	81.84
23.0	7.59	0.590	12.874	0.689	13.507	81.55
22.9	7.56	0.589	12.840	0.688	13.498	81.38
22.8	7.53	0.588	12.811	0.687	13.490	81.20
22.7	7.49	0.587	12.769	0.686	13.484	80.94
22.6	7.46	0.585	12.744	0.685	13.478	80.78
22.5	7.43	0.584	12.723	0.683	13.471	80.71
22.4	7.40	0.583	12.701	0.681	13.467	80.66
22.3	7.36	0.581	12.673	0.679	13.462	80.47

STC:1000W/m²,AM1.5,25 C

BACK SIDE ELECTRICAL PERFORMANCE

Eff(%)	Pmp(W)	Umpp(V)	Impp(A)	Uoc(V)	ISC(A)
>16	5.28	0.578	9.136	0.675	10.109
15.5-16	5.18	0.572	9.068	0.674	10.048
15-15.5	5.02	0.565	8.877	0.672	9.981
<15	4.89	0.559	8.743	0.670	9.895

STC:1000W/m²,AM1.5,25 C