

M182 TYPE 11BB Data Sheet



Extremely low light-induced degradation



Strong low-light response



Low temperature poly-Si deposition process



Advanced Laser-enhanced contact optimization



Extremely low light-induced degradation



High module sealed power



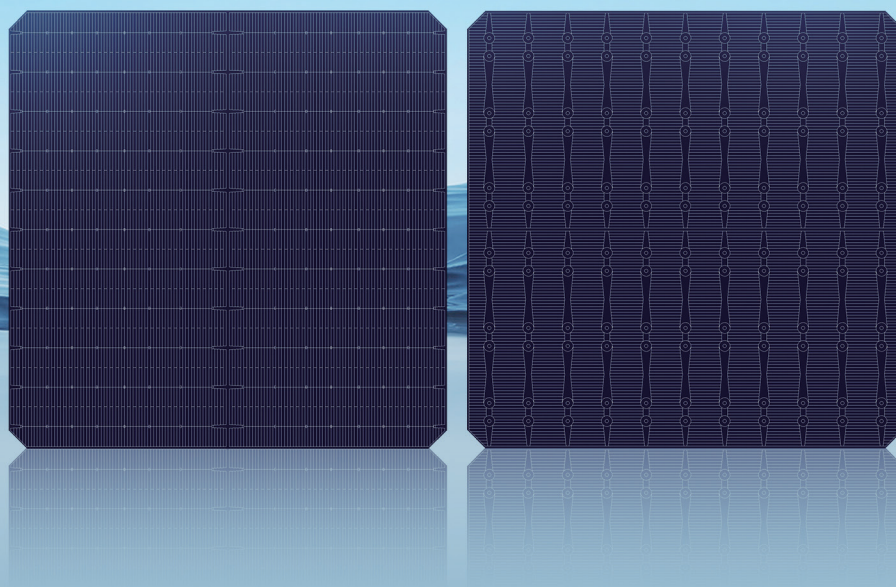
Advanced passivation & doping technology



Strong weather resistance



Extremely low light-induced degradation



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TECHNICAL CHARACTERISTICS

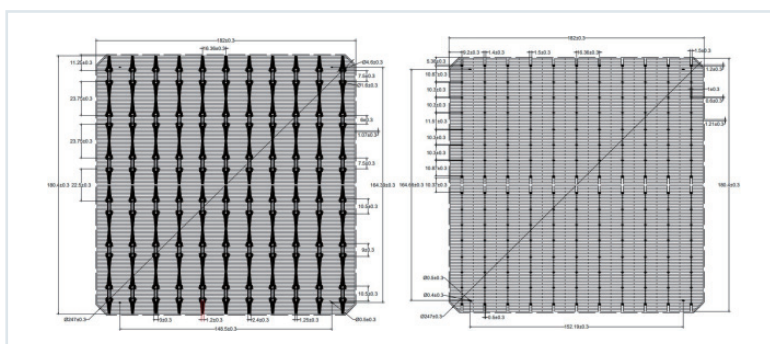
Dimension	182mm*182mm±0.5mm	TkVoltage:-0.36%/K
Thickness	165±16.5um	TkCurrent:+0.07%/K
Front	11*0.05±0.03mm main bus bars(silver). 150 auxiliary bus bars, blue (dark blue) color black anti-reflecting coating(silicon nitride)	TkPower:-0.38%/K
Back(+)	Back electrode width(silver):1.2±0.3mm bus bars(silver),covering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

LIGHT INTENSITY AND RELIABILITY

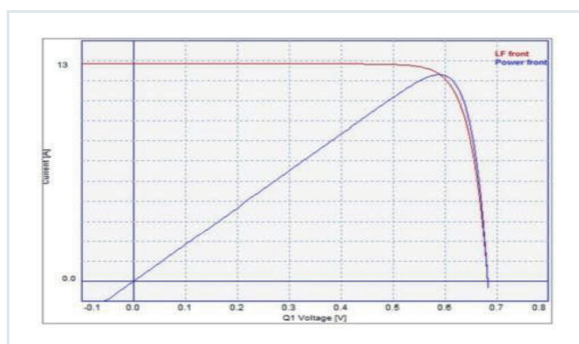
Intensity(W/m ²)	Voc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

The Voc(Isc) tested by 1000W/m² is the standard, and the Voc(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(%)	Pmp(W)	Vmpp (V)	Imp(A)	Voc(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

BACK SIDE ELECTRICAL PERFORMANCE

Eff(%)	Pmp(W)	Vmpp (V)	Imp(A)	Voc(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/Specifications and data for reference only.