

M182.2 TYPE 16BB

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



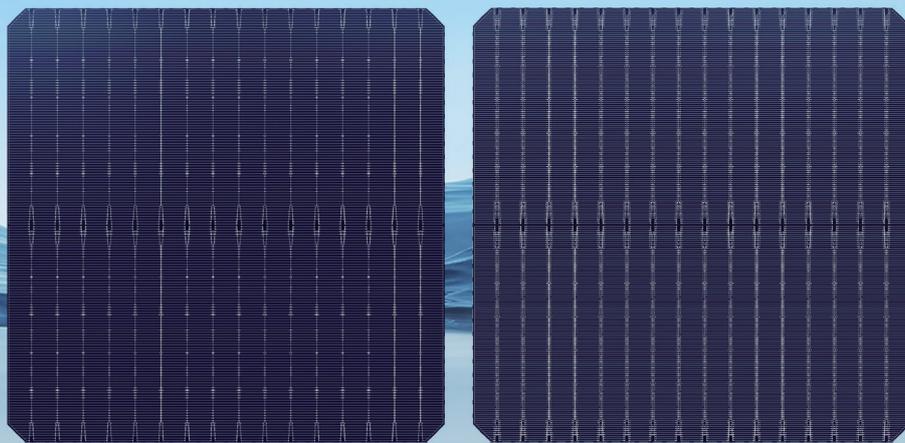
Advanced passivation & doping technology



Strong weather resistance



Extremely low light-induced degradation



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TECHNICAL CHARACTERISTICS

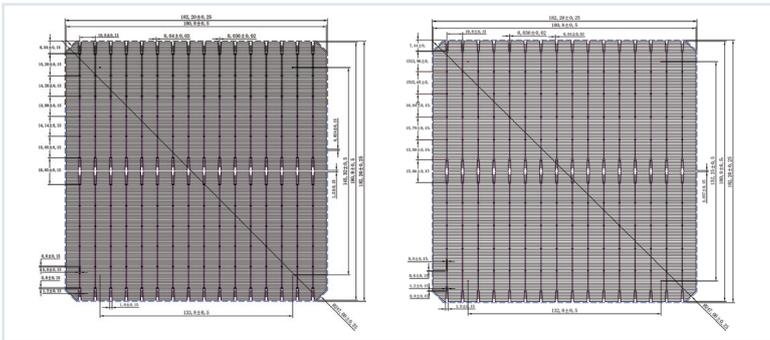
Dimension	182.2mm*182.2mm±0.25mm Φ247±0.5mm	TkVoltage:-(0.27±0.03)%/K
Thickness	130um±13	TkCurrent:+(0.045±0.015)%/K
Front	16 bus bars, 172 lines, Silicon oxide + blue silicon nitride compound anti reflection coating	TkPower:-(0.33±0.02)%/K
Back(+)	16 bus bars, 220 lines, Silicon oxide + blue silicon nitride compound anti reflection coating	Rsh≥50Ω,Irev2≤0.5A

LIGHT INTENSITY AND RELIABILITY

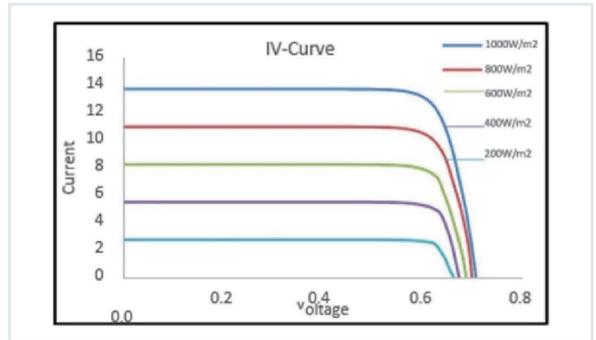
Intensity(W/m ²)	Vmpp	Imp
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

Using Xenon lamp (Irradiance of 1000W/m²,with spectrum AM 1.5) to irradiate test cells, after a total irradiation of 5 kwh/m², the degradation of maximum output power of cells is ≤2%

PRINTING GRAPHICS



IV CURVE



WELDABILITY Minimum peeling intensity ≥0.5N/mm Results may vary depending on the welding ribbon, welding methods and conditions.

ELECTRICAL CHARACTERISTICS

Eff(%)	Pmpp(W)	Vmpp(V)	Imp(A)	Voc(V)	Isc(A)	FF(%)
26.0	8.58	0.655	13.12	0.732	13.80	84.94
25.9	8.55	0.653	13.10	0.732	13.79	84.74
25.8	8.52	0.651	10.09	0.731	13.79	84.48
25.7	8.49	0.649	13.08	0.730	13.78	84.28
25.6	8.45	0.647	13.07	0.730	13.78	84.06
25.5	8.42	0.645	13.06	0.729	13.78	83.83
25.4	8.39	0.643	13.04	0.728	13.78	83.60
25.3	8.35	0.641	13.04	0.728	13.76	83.45
25.2	8.32	0.639	13.02	0.727	13.75	83.21
25.1	8.29	0.637	13.04	0.726	13.75	82.99
25.0	8.25	0.635	13.00	0.725	13.75	82.76
24.9	8.22	0.633	12.98	0.725	13.75	82.50
24.8	8.19	0.631	12.97	0.725	13.74	82.22
24.7	8.15	0.630	12.95	0.724	13.74	81.94
24.6	8.12	0.628	12.94	0.724	13.74	81.71
24.5	8.09	0.625	12.93	0.723	13.73	81.56
24.4	8.06	0.625	12.90	0.722	13.72	81.25

ELECTRICAL CHARACTERISTICS

Eff(%)	Pmpp(W)	Vmpp(V)	Ipp(A)	Voc(V)	Isc(A)	FF(%)
24.3	8.02	0.622	12.90	0.722	13.72	81.02
24.2	7.99	0.621	12.86	0.722	13.71	80.76
24.1	7.96	0.619	12.85	0.721	13.71	80.47

STC:1000W/m², AM1.5, 25°C/Specifications and data for reference only.