

M182.2 TYPE 10BB 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

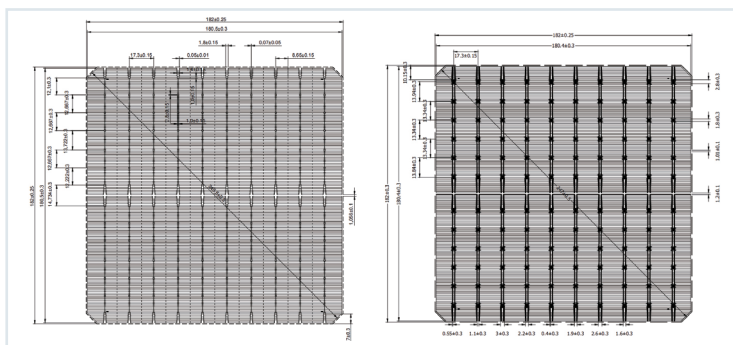
Dimension	182.2mm*182.2mm±0.25mm	TkVoltage:-0.36%/K
Thickness	165um±16.5um	TkCurrent:+0.07%/K
Front	Silicon oxide + blue silicon nitride compound anti-reflection coating (PID Free) Half-cut design	TkPower:-0.38%/K
Back(+)	Passivated layer (AlOx and SiNx) and Rear Contact (Al).	Rsh>50Ω,Irev2≤0.5A

LIGHT INTENSITY AND RELIABILITY

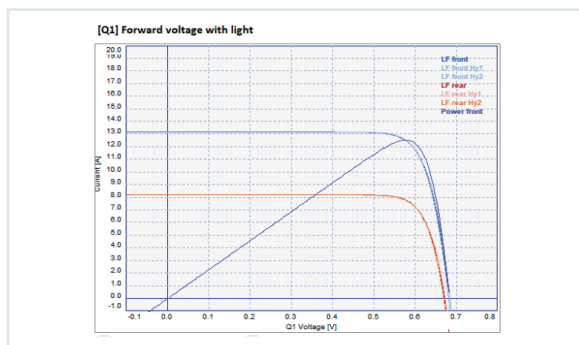
Intensity(W/m²)	Vmpp	Impp
1000	1.000	1.000
800	0.990	0.801
600	0.977	0.600
400	0.923	0.195

Ratio of Vmpp (Impp) at reduced intensity to Impp (Vmpp) at 1000 (W/m²)

PRINTING GRAPHICS



IV CURVE



WELDABILITY Minimum peeling intensity ≥1.0N/mm Results may vary depending on the welding ribbon, welding methods and conditions.

ELECTRICAL CHARACTERISTICS

Eff(%)	Pmp(W)	Vmpp(V)	Impp(A)	Voc(V)	ISC(A)	FF(%)
23.7	7.82	0.616	12.695	0.6972	13.471	83.26
23.6	7.79	0.614	12.687	0.6957	13.458	83.20
23.5	7.76	0.612	12.680	0.6943	13.445	83.13
23.4	7.73	0.610	12.672	0.6930	13.429	83.06
23.3	7.69	0.607	12.669	0.6908	13.412	83.00
23.2	7.66	0.605	12.661	0.6893	13.400	82.93
23.1	7.63	0.603	12.648	0.6875	13.394	82.86
23.0	7.59	0.601	12.629	0.6862	13.358	82.80
22.9	7.56	0.599	12.621	0.6850	13.341	82.73
22.8	7.53	0.597	12.613	0.6837	13.324	82.66
22.7	7.49	0.595	12.584	0.6830	13.300	82.48
22.6	7.46	0.593	12.581	0.6822	13.285	82.32
22.5	7.43	0.591	12.578	0.6812	13.278	82.11
22.4	7.40	0.589	12.564	0.6795	13.278	81.97
22.3	7.36	0.587	12.538	0.6781	13.269	81.81
22.2	7.33	0.585	12.537	0.6765	13.257	81.71
22.1	7.30	0.583	12.524	0.6750	13.249	81.59

ELECTRICAL CHARACTERISTICS

Eff(%)	Pmp(W)	Vmpp(V)	Impp(A)	Voc(V)	ISC(A)	FF(%)
22.0	7.26	0.580	12.510	0.6738	13.240	81.40
21.9	7.23	0.579	12.495	0.6728	13.227	81.23
21.8	7.20	0.577	12.482	0.6715	13.214	81.09
21.7	7.16	0.575	12.459	0.6708	13.202	80.88
21.6	7.13	0.573	12.443	0.6691	13.199	80.73
21.5	7.10	0.571	12.439	0.6678	13.186	80.59
21.4	7.07	0.569	12.424	0.6668	13.177	80.46
21.3	7.03	0.567	12.403	0.6652	13.154	80.35
21.2	7.00	0.566	12.375	0.6644	13.126	80.24
21.1	6.97	0.564	12.360	0.6630	13.114	80.12
21.0	6.93	0.562	12.325	0.6622	13.080	80.03

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