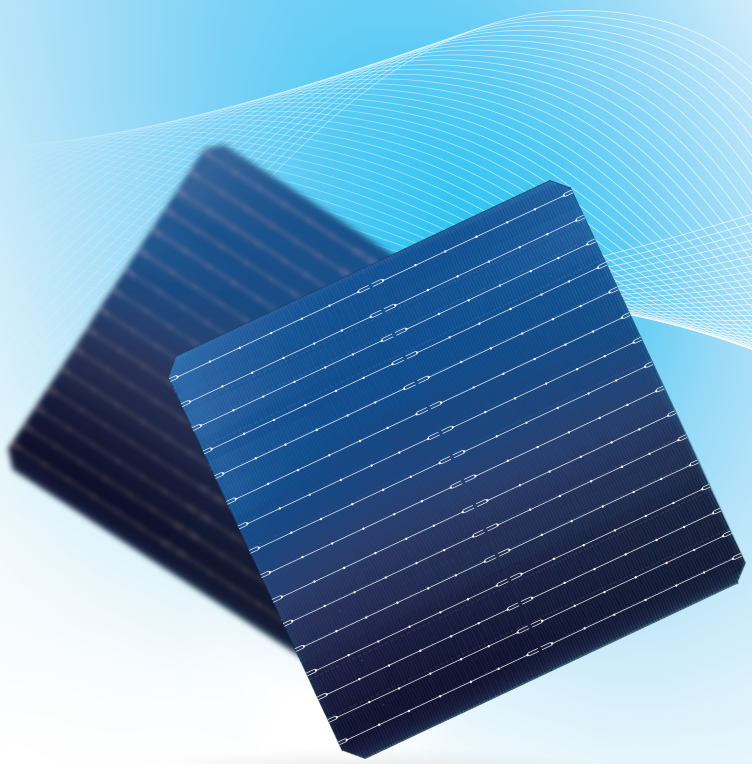
The Innovator of N-type Solar Cell

N-type TOPCon

Mono-Crystalline Bifacial Solar Cell

182.2-16BB



High Conversion Efficiency

Efficiency **≥26.5%**, Bifaciality＞**80%**

Lower Sealing Damage

Lower Cell to Module(CTM) Loss Rate
More Suitable for High-efficiency Module

Lower Power Temperature Coefficient

Power temperature coefficient
as low as **-0.30%/K**

PID Resistance

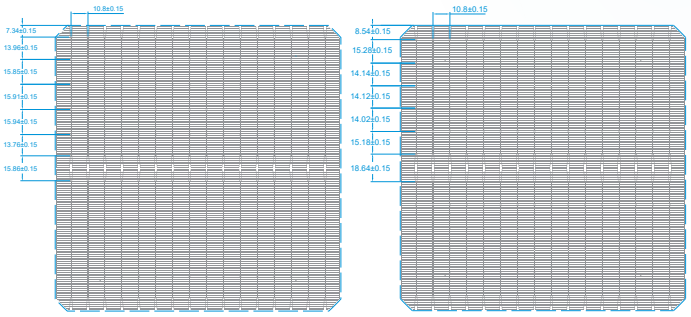
Superior anti-PID performance

LID

Lower LID

Better Performance in Low Irradiance Environment

Product Appearance

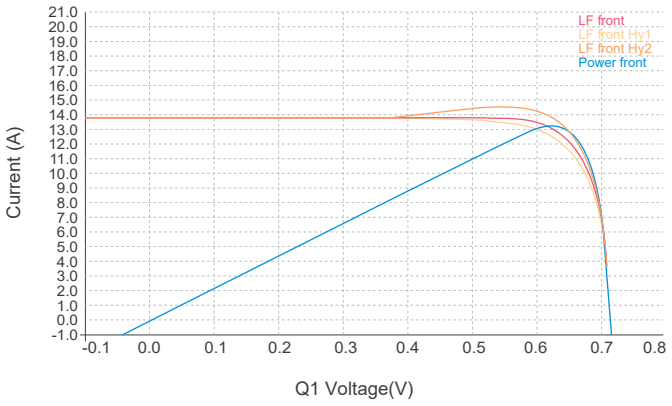


FRONT BACK

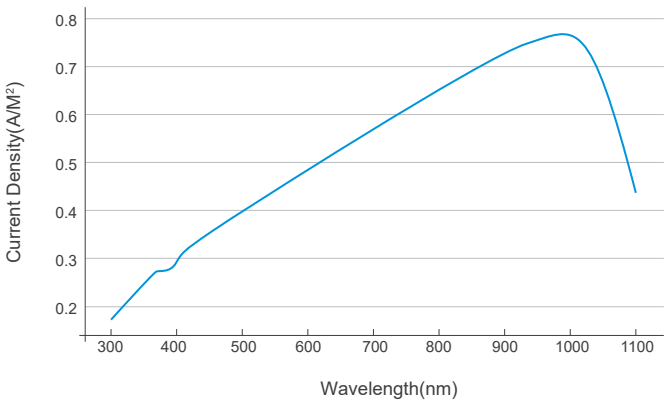
Mechanical Parameters

Dimension	182.2mm×182.2mm±0.5mm, Φ247mm±0.5mm
Thickness	130±13μm
Front	16 busbars, 12 pads, 160 fingers
Rear	16 busbars, 12 pads, 200 fingers
TkCurrent	+0.045%/K
TkVoltage	-0.25%/K
TkPower	-0.30%/K

IV Curve



Light Intensity Reliability



Front Electrical Performance Distribution

Efficiency Eff(%)	Maximum output power Pmpp(W)	Maximum power voltage Vmpp(V)	Maximum power current Impp(A)	Open-circuit voltage Voc(V)	Short-circuit current Isc(A)
25.3	8.35	0.615	13.583	0.716	14.148
25.2	8.32	0.614	13.551	0.715	14.113
25.1	8.29	0.613	13.520	0.714	14.078
25.0	8.25	0.612	13.488	0.713	14.045
24.9	8.22	0.611	13.456	0.712	14.015
24.8	8.19	0.611	13.402	0.712	13.965
24.7	8.16	0.610	13.370	0.711	13.930
24.6	8.12	0.609	13.337	0.710	13.895
24.5	8.09	0.608	13.305	0.709	13.860
24.4	8.06	0.607	13.272	0.708	13.825
24.3	8.02	0.607	13.218	0.708	13.790
24.2	7.99	0.606	13.185	0.707	13.755
24.1	7.96	0.605	13.153	0.706	13.715
24.0	7.92	0.604	13.120	0.705	13.675
23.9	7.89	0.603	13.087	0.704	13.640

STC*(Standard test conditions): 1000W/m², AM 1.5G, 25℃
The above technical parameters are subject to technical changes and tests, and Shijing Solar Power reserves the right of final interpretation.

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