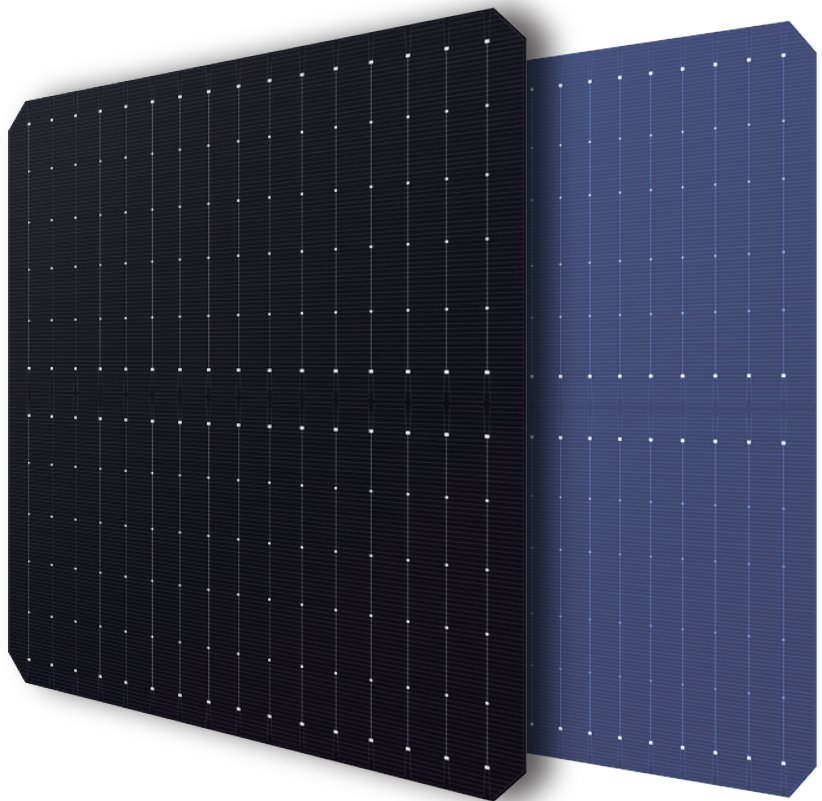


N182-16B-11-BAJ

N-type TOPCon High-efficiency Bifacial Cell



Technical Data and Design

Cell model	N182-16B-11-BAJ
Size	182.2mm*182.2mm±0.5mm Φ247mm±0.5mm
Thickness	130±13μm
Front	BusBar(Ag), Blue (navy) antireflection layer(SiNx) Carrier Injection Firing
Rear	Rear BusBar(Ag), Passivation layer(SiNx)

Temperature Coefficient

TkVoltage	-0.26%/K
TkCurrent	+0.046%/K
TKPower	-0.29%/K

Weldability

Minimum Peel Resistance	≥0.5N/mm
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Results may vary depending on the solder tape, welding method, and conditions.

Frontal Electrical Performance Parameters

Efficiency code	Eff (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
BAJ-182N-253	25.30	8.353	0.644	12.971	0.734	13.799	82.47
BAJ-182N-252	25.20	8.320	0.643	12.946	0.733	13.781	82.36
BAJ-182N-251	25.10	8.287	0.641	12.921	0.732	13.763	82.25
BAJ-182N-250	25.00	8.254	0.640	12.896	0.731	13.745	82.14
BAJ-182N-249	24.90	8.221	0.639	12.871	0.730	13.727	82.04
BAJ-182N-248	24.80	8.188	0.637	12.846	0.729	13.709	81.93
BAJ-182N-247	24.70	8.155	0.636	12.821	0.728	13.696	81.78
BAJ-182N-246	24.60	8.122	0.635	12.796	0.727	13.683	81.64
BAJ-182N-245	24.50	8.089	0.633	12.771	0.726	13.670	81.50
BAJ-182N-244	24.40	8.056	0.632	12.746	0.725	13.657	81.36
BAJ-182N-243	24.30	8.023	0.631	12.721	0.724	13.644	81.21
BAJ-182N-242	24.20	7.990	0.629	12.696	0.723	13.631	81.07

Standard test conditions: 1000W/m², AM1.5, 25°C.

The above technical parameters are subject to technical changes and tests, and Yangzhou Bangjie solar Technology Co., Ltd reserves the right of final interpretation.

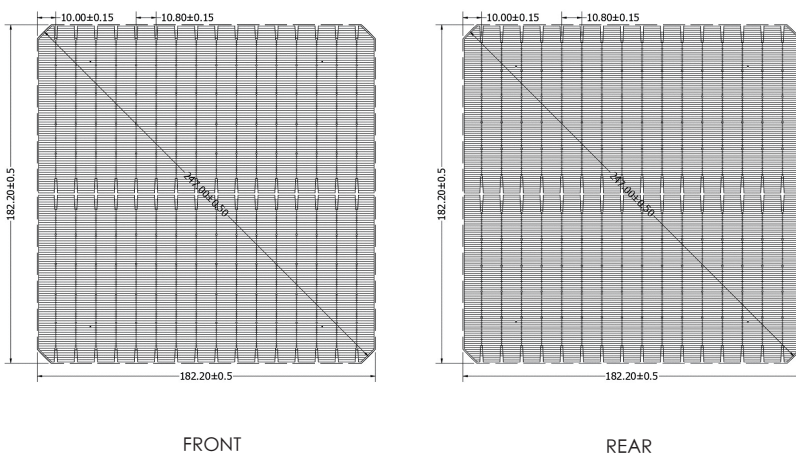
Back Electrical Performance Parameters

Efficiency code	Eff (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)
BAJ-183.75N-20.3	>20.5	6.703	0.627	10.691	0.725	11.486
BAJ-183.75N-20.2	20.3-20.5	6.670	0.626	10.655	0.724	11.441
BAJ-183.75N-20.1	20.1-20.3	6.637	0.625	10.619	0.723	11.396
BAJ-183.75N-20.0	<20.1	6.604	0.624	10.583	0.722	11.351

Standard test conditions: 1000W/m², AM1.5, 25°C.

The above technical parameters are subject to technical changes and tests, and Yangzhou Bangjie solar Technology Co., Ltd reserves the right of final interpretation.

Product Appearance



Light Intensity 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 at (1000W/m², AM1.5, 25°C) was used as the standard to test the magnitude of Uoc(Isc) decrease with light intensity

IV Curve

