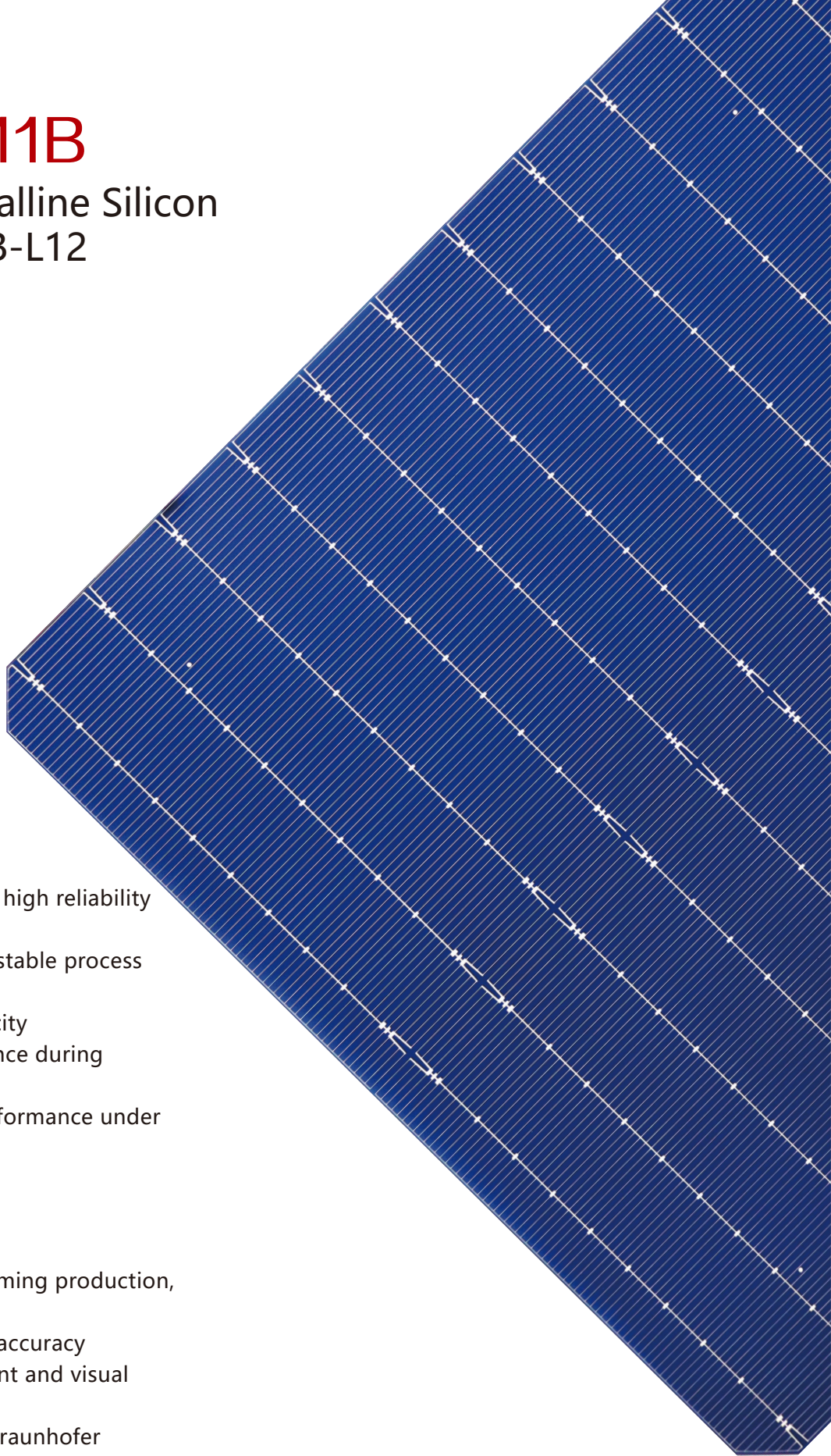


ZL-NM10-11B

N-type Mono-crystalline Silicon
Solar Cell NM1011B-L12



Product Characteristics

- High conversion efficiency with high reliability
- No light-induced degradation
- Uniform cell performance with stable process control
- Both sides can generate electricity
- Low mismatch of cell performance during encapsulation
- Excellent power generation performance under low irradiation
- Low hot spot effect

Quality Control

- Proper inspection through incoming production, outgoing and packaging
Efficiency tested within $\pm 0.1\%$ accuracy
- 100% checked for reverse current and visual appearance
- Reference cell calibrated from Fraunhofer



Jolywood (Taizhou) Solar Technology Co., Ltd. , a subsidiary under Jolywood Group (stock code: SZ300393), is the world leading n-type bifacial solar cells and modules manufacture. The technology of company NTOPCon, NIBC, TBC, etc, and the annual n-type bifacial production capacity reaches 2.1GW cells and 3GW modules. With vision of "Cultivator of Green Energy", Jolywood adheres to the road of advanced and high efficiency solar technology industrialization.

ZL-NM10-11B | N-type Mono-crystalline Silicon Solar Cell NM1011B-L12

Product Features >

Dimension	182mmx182mm±0.25mm, Φ247mm±0.25mm;
Cell Thickness	170μm±20μm
Front side	0.08mm wide bus bars, Silicon nitride anti-reflection coating
Back side	0.08mm wide bus bars, Silicon nitride coating

Temperature Coefficients >

Current Temperature Coefficient	TKcurrent: +0.046%/K
Voltage Temperature Coefficient	TKvoltage: -0.26%/K
Power Temperature Coefficient	TKpower: -0.32%/K

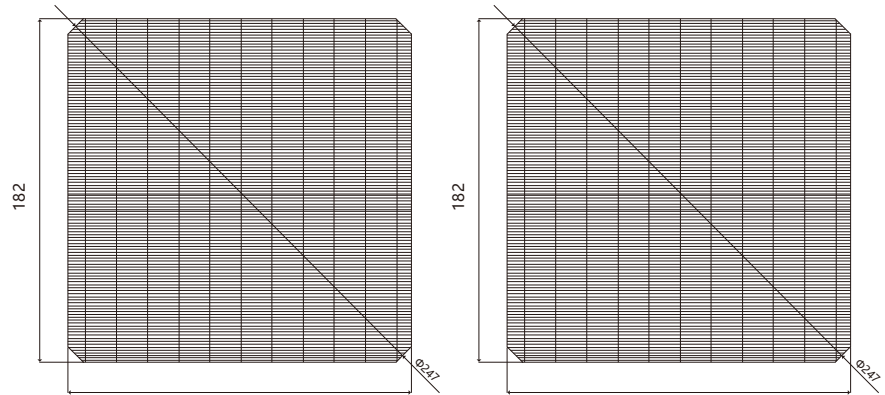
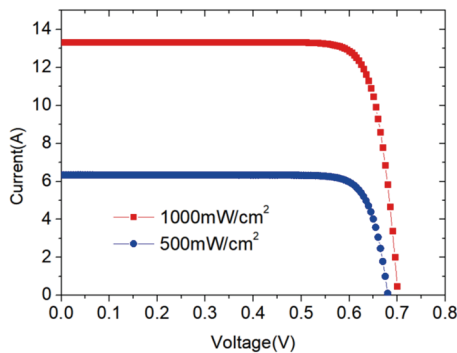
Electric Performance >

Eff(%)	Pmpp(W)	Ump(V)	Imp(A)	Uoc(V)	Isc(A)	FF(%)
24.5	8.086	0.620	13.049	0.714	13.624	83.13
24.4	8.047	0.619	12.996	0.712	13.611	83.08
24.3	8.022	0.618	12.991	0.711	13.611	82.84
24.2	7.989	0.617	12.941	0.711	13.598	82.68
24.1	7.956	0.613	12.989	0.710	13.572	82.58
24.0	7.923	0.611	12.965	0.709	13.559	82.40
23.9	7.894	0.610	12.944	0.708	13.545	82.27
23.8	7.859	0.608	12.931	0.707	13.519	82.24
23.7	7.824	0.605	12.931	0.705	13.506	82.12
23.6	7.791	0.604	12.900	0.704	13.493	81.97
23.5	7.758	0.602	12.880	0.704	13.480	81.80
23.4	7.724	0.601	12.857	0.702	13.454	81.77
23.3	7.692	0.600	12.817	0.701	13.428	81.71
23.2	7.661	0.599	12.784	0.700	13.428	81.47
23.1	7.625	0.597	12.773	0.699	13.401	81.43

*Under standard test condition: Irradiance=1000W/ m², Ambient Temperature=25°C, AM=1.5
Specifications and data are for reference only. If there is any change, notice will be given separately

Illustration:23.1% → Actual Range: 23.1%~23.2%

IV Curve >

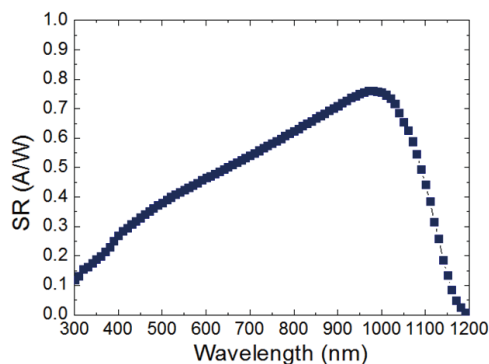


Front side

Rear side

Dimensions (mm)

Spectral Response (SR) >



*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Jolywood (Taizhou) Solar Technology Co., Ltd. Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

www.jolywood.cn



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