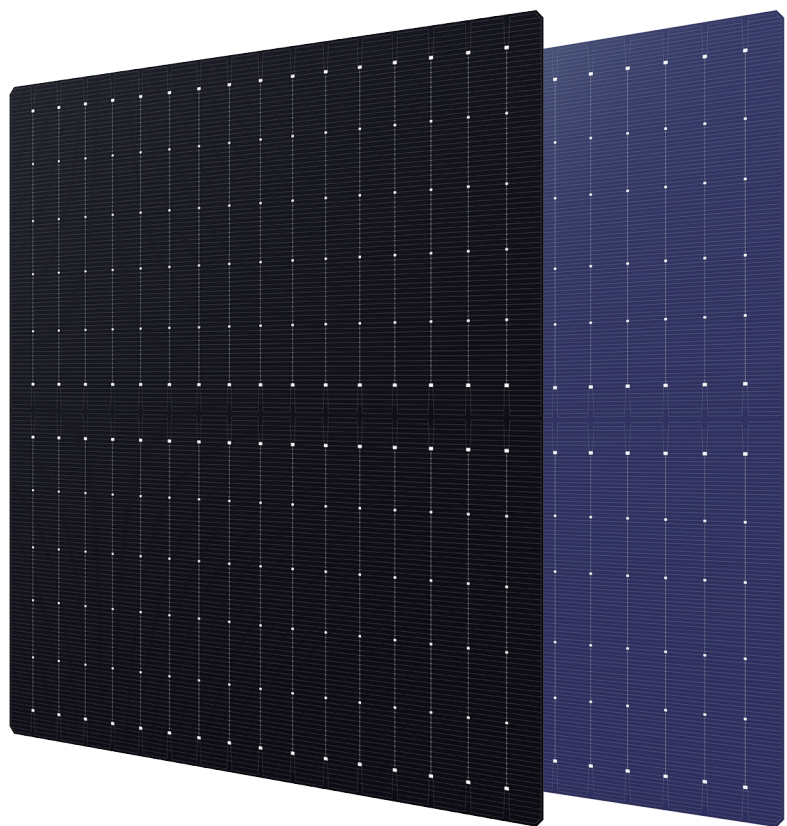


N183.75-16B-12-BAJ

N-type TOPCon High-efficiency Bifacial Cell



Technical Data and Design

| | |
|------------|--|
| Cell model | N183.75-16B-12-BAJ |
| Size | 182.2mm*183.75mm±0.5mm Φ256mm±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 |
|-------------------------|----------|

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-183.75N-253 | 25.30 | 8.468 | 0.644 | 13.150 | 0.736 | 13.956 | 82.47 |
| BAJ-183.75N-252 | 25.20 | 8.435 | 0.643 | 13.125 | 0.735 | 13.934 | 82.36 |
| BAJ-183.75N-251 | 25.10 | 8.401 | 0.641 | 13.100 | 0.734 | 13.912 | 82.25 |
| BAJ-183.75N-250 | 25.00 | 8.368 | 0.640 | 13.074 | 0.733 | 13.890 | 82.14 |
| BAJ-183.75N-249 | 24.90 | 8.334 | 0.639 | 13.049 | 0.733 | 13.868 | 82.04 |
| BAJ-183.75N-248 | 24.80 | 8.301 | 0.637 | 13.024 | 0.732 | 13.846 | 81.93 |
| BAJ-183.75N-247 | 24.70 | 8.267 | 0.636 | 12.998 | 0.731 | 13.829 | 81.78 |
| BAJ-183.75N-246 | 24.60 | 8.234 | 0.635 | 12.973 | 0.730 | 13.812 | 81.64 |
| BAJ-183.75N-245 | 24.50 | 8.201 | 0.633 | 12.948 | 0.729 | 13.795 | 81.50 |
| BAJ-183.75N-244 | 24.40 | 8.167 | 0.632 | 12.922 | 0.729 | 13.778 | 81.36 |
| BAJ-183.75N-243 | 24.30 | 8.134 | 0.631 | 12.897 | 0.728 | 13.761 | 81.21 |
| BAJ-183.75N-242 | 24.20 | 8.100 | 0.629 | 12.872 | 0.727 | 13.744 | 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.

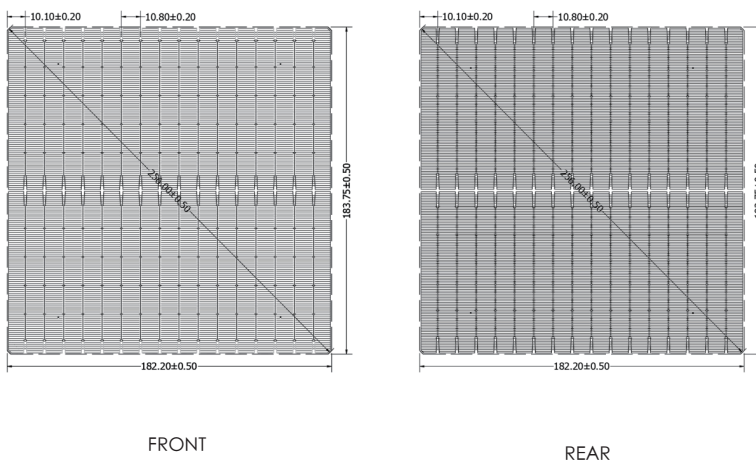
Back Electrical Performance Parameters

| Efficiency code | Eff (%) | Pmpp (W) | Umpp (V) | Impp (A) | Uoc (V) | Isc (A) |
|------------------|-----------|----------|----------|----------|---------|---------|
| BAJ-183.75N-20.3 | >20.5 | 6.796 | 0.627 | 10.838 | 0.725 | 11.543 |
| BAJ-183.75N-20.2 | 20.3-20.5 | 6.762 | 0.626 | 10.802 | 0.724 | 11.498 |
| BAJ-183.75N-20.1 | 20.1-20.3 | 6.729 | 0.625 | 10.766 | 0.723 | 11.453 |
| BAJ-183.75N-20.0 | <20.1 | 6.695 | 0.624 | 10.730 | 0.722 | 11.408 |

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

