

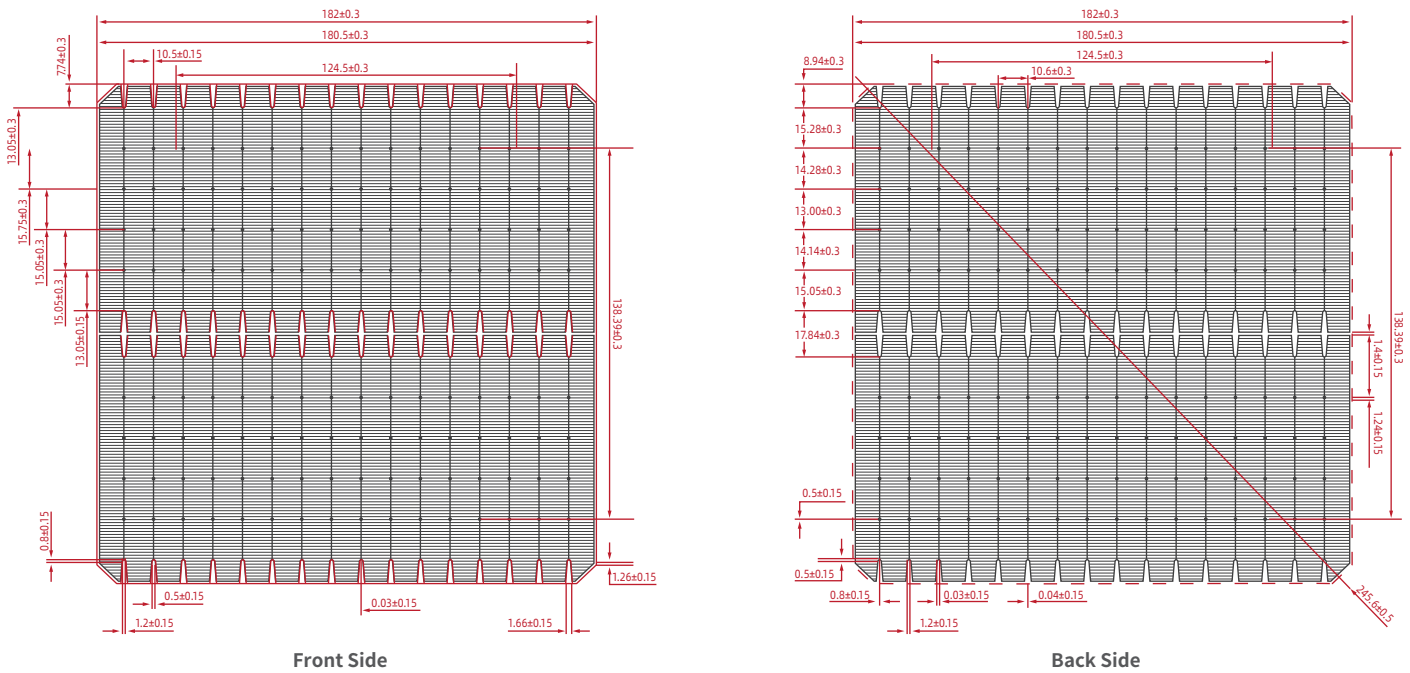
# JS182N16

Superior performance

## Product Specification

| Item                        | Wafer                |
|-----------------------------|----------------------|
| Materia                     | Silicon              |
| Crystal growth mode         | CZ CzochralskiMethod |
| Conductive type             | N-type               |
| Resistivity                 | 0.3-2.1ohm/cm2       |
| Minority carrier lifetime   | ≥800μs               |
| Interstitial oxygen content | ≤13ptma              |
| Substitution carbon content | ≤1ptma               |
| Wafer Type                  | Mono                 |
| Wafer Size                  | 182*182±0.3mm        |
| Chamfer length              | 245.6±0.3mm          |
| Angle                       | 90±0.2°              |
| Cell Thickness              | 140μm±14μm           |

## Solar Cell Structure



## Electrical performance

| Eff(%) | Pmpp(W) | Vmpp(V) | I <sub>mp</sub> (A) | U <sub>oc</sub> (V) | I <sub>sc</sub> (A) | FF(%) |
|--------|---------|---------|---------------------|---------------------|---------------------|-------|
| 25.1   | 8.30    | 0.625   | 13.279              | 0.713               | 13.766              | 84.50 |
| 25.0   | 8.27    | 0.624   | 13.252              | 0.712               | 13.748              | 84.47 |
| 24.9   | 8.23    | 0.623   | 13.212              | 0.711               | 13.741              | 84.31 |
| 24.8   | 8.20    | 0.622   | 13.185              | 0.709               | 13.729              | 84.22 |
| 24.7   | 8.16    | 0.622   | 13.119              | 0.709               | 13.730              | 83.81 |
| 24.6   | 8.13    | 0.621   | 13.098              | 0.709               | 13.716              | 83.69 |
| 24.5   | 8.10    | 0.620   | 13.062              | 0.707               | 13.708              | 83.54 |
| 24.4   | 8.06    | 0.620   | 13.007              | 0.707               | 13.705              | 83.23 |
| 24.3   | 8.02    | 0.618   | 12.985              | 0.706               | 13.694              | 82.92 |
| 24.2   | 7.99    | 0.617   | 12.951              | 0.705               | 13.689              | 82.86 |
| 24.1   | 7.97    | 0.617   | 12.921              | 0.705               | 13.646              | 82.85 |
| 24.0   | 7.93    | 0.616   | 12.875              | 0.704               | 13.624              | 82.68 |
| 23.9   | 7.89    | 0.615   | 12.831              | 0.704               | 13.575              | 82.57 |
| 23.8   | 7.86    | 0.615   | 12.781              | 0.705               | 13.541              | 82.34 |
| 23.7   | 7.82    | 0.614   | 12.735              | 0.705               | 13.506              | 82.12 |

Standard test conditions: AM 1.5, 1000W/m<sup>2</sup>, 25°C