

# MONO-CRYSTALLINE SILICON SOLAR CELL

182mm x 182mm

## Mechanical Characteristics

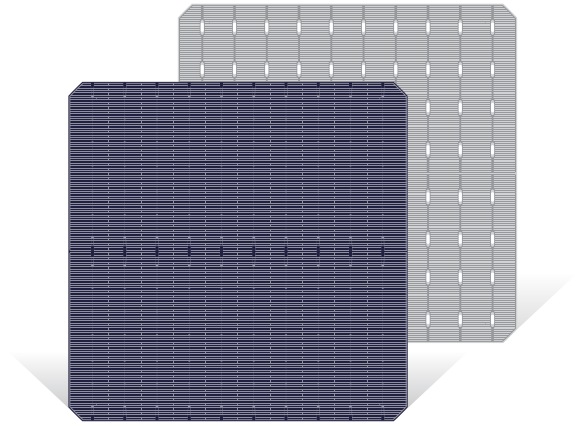
|                  |   |
|------------------|---|
| <b>Format</b>    | 182mm×182mm±0.25mm  |
| <b>Thickness</b> | 180um±20um  |
| <b>Front (-)</b> | 10BB, Distance between busbars 17.3±0.15mm<br>Silicon nitride anti-reflection coating |
| <b>Back (+)</b>  | Distance between back busbars 17.3±0.15mm   |

## Temperature Characteristics

|  |                     |
|--|---------------------|
| <b>Current Temperature Coefficient-Isc</b> | TkCurrent: +0.06%/K |
| <b>Voltage Temperature Coefficient-Voc</b> | TkVoltage: -0.30%/K |
| <b>Power Temperature Coefficient-Pmax</b>  | TkPower: -0.39%/K   |

## Electrical Characteristics under STC\*

|  |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|
| <b>Efficiency (%)</b>                  | 23.3   | 23.1   | 22.9   | 22.7   | 22.5   | 22.3   |
| <b>Power-Ppm (W)</b>                   | 7.69   | 7.63   | 7.56   | 7.49   | 7.43   | 7.36   |
| <b>Current at Maximum Power-Imp(A)</b> | 12.539 | 12.495 | 12.401 | 12.324 | 12.245 | 12.174 |
| <b>Short Circuit Current-Isc(A)</b>    | 13.583 | 13.551 | 13.479 | 13.419 | 13.397 | 13.358 |
| <b>Voltage at Maximum Power-Vmp(V)</b> | 0.613  | 0.611  | 0.610  | 0.608  | 0.607  | 0.605  |
| <b>Open Circuit VoltageVoc(V)</b>      | 0.690  | 0.688  | 0.687  | 0.686  | 0.685  | 0.684  |



I-V CURVE

