

JS182M10

MONOCRYSTALLINE
CELIS

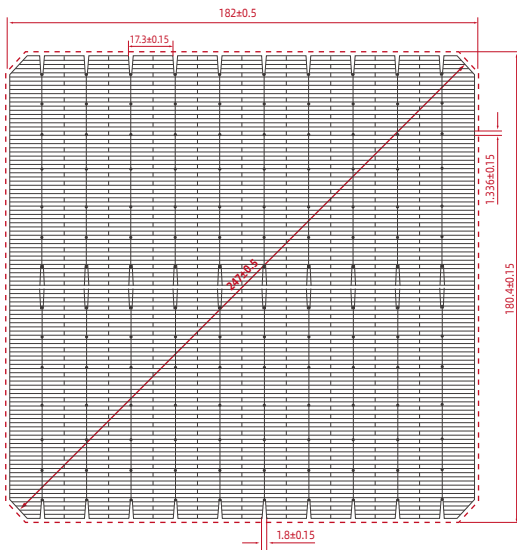
Features

- High conversion efficiencies resulting in superior power output performance.
- Outstanding power output even in low light or high temperature conditions.
- Optirnized design for ease of soldering and lamination.
- Long-term stability, reliability and performance.
- Low breakage rate.
- Uniform Color.

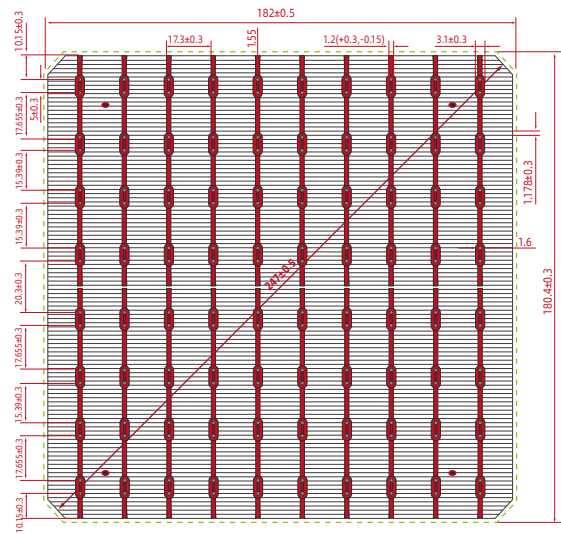
Product Specification

| | |
|----------------------|--|
| Dimension | 182mm x 182mm + 0.5Φ247mm |
| Thickness(Si) | 160μm±10μm |
| Front | Anisotropically texturized surface and dark silicon nitride anti-reflection coatings |
| | 10 busbar with a spacing of 17.3mm |
| Back | Local aluminum back-surface field |
| | Electrode width is 1.4mm |

Solar Cell Structure



Front Side



Back Side

Electrical performance

| Efficiency Code | Eff(%) | Ppm(W) | Ipm(A) | Isc(A) | Vpm(V) | Voc(V) |
|-----------------|--------|--------|--------|--------|--------|--------|
| 232 | 23.2 | 7.66 | 12.81 | 13.584 | 0.598 | 0.694 |
| 231 | 23.1 | 7.63 | 12.78 | 13.577 | 0.597 | 0.693 |
| 230 | 23.0 | 7.59 | 12.73 | 13.50 | 0.596 | 0.692 |
| 229 | 22.9 | 7.56 | 12.71 | 13.416 | 0.595 | 0.691 |
| 228 | 22.8 | 7.53 | 12.68 | 13.346 | 0.594 | 0.69 |
| 227 | 22.70 | 7.5 | 12.647 | 13.266 | 0.593 | 0.689 |
| 226 | 22.60 | 7.46 | 12.604 | 13.266 | 0.592 | 0.688 |
| 225 | 22.50 | 7.43 | 12.570 | 13.187 | 0.591 | 0.687 |
| 224 | 22.40 | 7.4 | 12.535 | 13.147 | 0.59 | 0.686 |
| 223 | 22.30 | 7.36 | 12.500 | 13.108 | 0.589 | 0.685 |
| 222 | 22.20 | 7.33 | 12.465 | 13.068 | 0.588 | 0.684 |
| 221 | 22.10 | 7.30 | 12.430 | 13.028 | 0.587 | 0.683 |
| 220 | 22.00 | 5.54 | 9.657 | 10.215 | 0.572 | 0.668 |
| 219 | 21.90 | 5.52 | 9.648 | 10.202 | 0.572 | 0.667 |
| 218 | 21.80 | 5.49 | 9.629 | 10.182 | 0.571 | 0.667 |
| 217 | 21.70 | 5.47 | 9.618 | 10.171 | 0.569 | 0.666 |
| 216 | 21.60 | 5.44 | 9.603 | 10.147 | 0.567 | 0.665 |

Standard test conditions: AM 1.5, 1000W/m², 25°C.