

# M182 TYPE 16BB Data Sheet



Extremely low light-induced degradation



Strong low-light response



Low temperature poly-Si deposition process



Advanced Laser-enhanced contact optimization



Extremely low light-induced degradation



High module sealed power



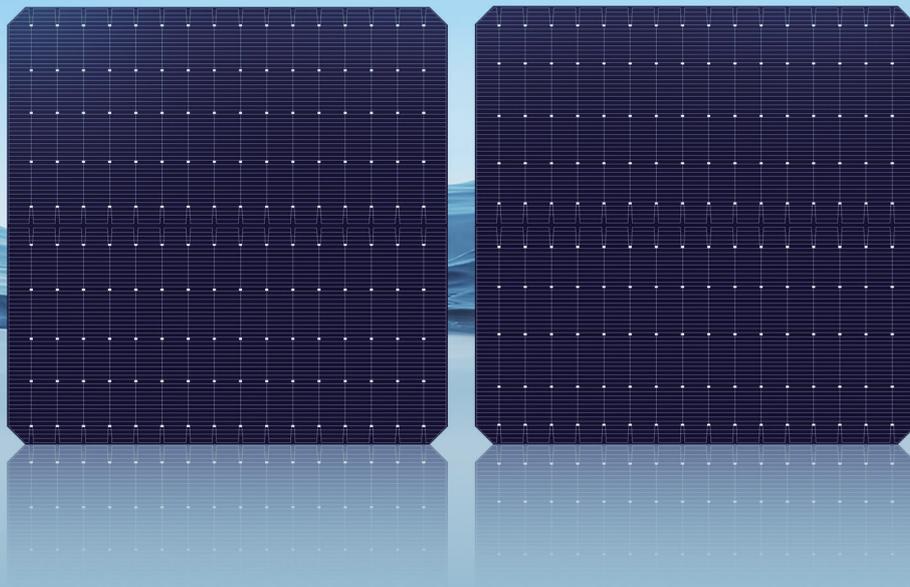
Advanced passivation & doping technology



Strong weather resistance



Extremely low light-induced degradation



# MI82 TYPE 16BB Data Sheet

## TECHNICAL CHARACTERISTICS

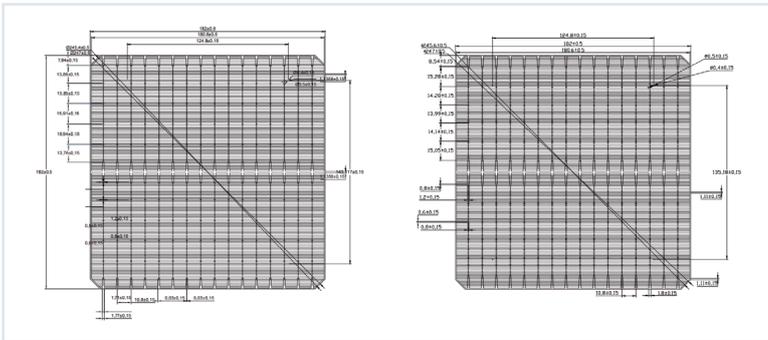
|                  |  |                     |
|------------------|--|---------------------|
| <b>Dimension</b> | 182mm*182mm±0.5mm  | TkVoltage:-0.3%/K   |
| <b>Thickness</b> | 140um±14um   | TkCurrent:+0.048%/K |
| <b>Front</b>     | 16*0.036±0.02mm bus bars(silver)<br>black anti-reflecting coating(silicon nitride) | TkPower:-0.38%/K    |
| <b>Back(+)</b>   | 0.036±0.02mm bus bars(silver)<br>black anti-reflecting coating(silicon nitride)    | Rsh≥50Ω,Irev2≤0.5A  |

## LIGHT INTENSITY AND RELIABILITY

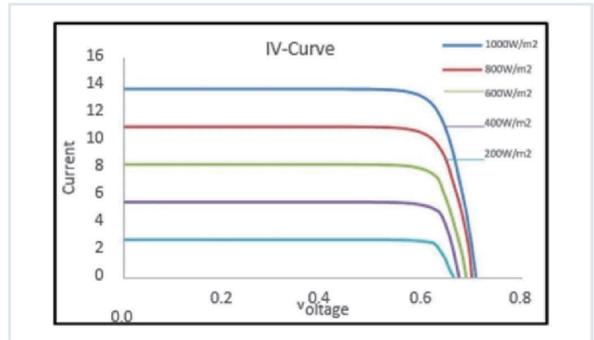
| Intensity(W/m <sup>2</sup> ) | Voc   | Isc   |
|------------------------------|-------|-------|
| 1000                         | 1.000 | 1.000 |
| 900                          | 0.996 | 0.903 |
| 800                          | 0.991 | 0.803 |
| 600                          | 0.988 | 0.602 |
| 400                          | 0.962 | 0.403 |

The Voc(Isc) tested by 1000W/m<sup>2</sup> is the standard, and the Voc(Isc) decreases with the strong decrease in light.

## PRINTING GRAPHICS



## IV CURVE



**WELDABILITY** Minimum peeling intensity ≥0.5N/mm Results may vary depending on the welding ribbon, welding methods and conditions.

## ELECTRICAL CHARACTERISTICS

| Eff(%) | Pmpp(W) | Vmpp(V) | Ipp(A) | Voc(V) | Isc(A) | FF(%) |
|--------|---------|---------|--------|--------|--------|-------|
| 25.0   | 8.255   | 0.610   | 13.54  | 0.709  | 14.20  | 82.03 |
| 24.9   | 8.221   | 0.608   | 13.52  | 0.710  | 14.21  | 81.46 |
| 24.8   | 8.188   | 0.605   | 13.55  | 0.707  | 14.17  | 81.70 |
| 24.7   | 8.155   | 0.604   | 13.49  | 0.701  | 14.16  | 82.09 |
| 24.6   | 8.122   | 0.601   | 13.51  | 0.698  | 14.13  | 82.31 |
| 24.5   | 8.089   | 0.599   | 13.50  | 0.703  | 14.19  | 81.06 |
| 24.4   | 8.057   | 0.597   | 13.49  | 0.695  | 14.15  | 81.91 |
| 24.3   | 8.024   | 0.596   | 13.45  | 0.697  | 14.14  | 81.44 |
| 24.2   | 7.991   | 0.595   | 13.42  | 0.691  | 14.11  | 82.00 |
| 24.1   | 7.958   | 0.593   | 13.41  | 0.692  | 14.09  | 81.64 |
| 24.0   | 7.925   | 0.600   | 13.21  | 0.705  | 14.16  | 79.40 |
| 23.9   | 7.894   | 0.597   | 13.23  | 0.705  | 14.17  | 78.97 |
| 23.8   | 7.861   | 0.591   | 13.29  | 0.706  | 14.23  | 78.26 |
| 23.7   | 7.825   | 0.603   | 12.98  | 0.704  | 14.19  | 78.36 |
| 23.6   | 7.794   | 0.583   | 13.36  | 0.709  | 14.20  | 77.45 |

STC:1000W/m<sup>2</sup>, AM1.5, 25°C/Specifications and data for reference only.