

Monocrystalline Cells



Model: NBM560C

Dimension: 156.00 mm x 156.00 mm ± 0.5 mm
 Thickness: 200µm ± 20µm

Front (-): 5 x 0.7 mm wide bus bars (silver) with distance 31.2 mm, acid texturized surface with blue silicon nitride AR coating.

Back (+): 1.7 mm wide silver / aluminum soldering pads, aluminum back surface field. Physical Characteristics

Temperature Coefficients

| | | |
|---------------------------------|-----------------|------------|
| Current Temperature Coefficient | α (Isc) | 0.04 %/°C |
| Voltage Temperature Coefficient | β (Voc) | -0.31 %/°C |
| Power Temperature Coefficient | γ (Pmax) | -0.41 %/°C |

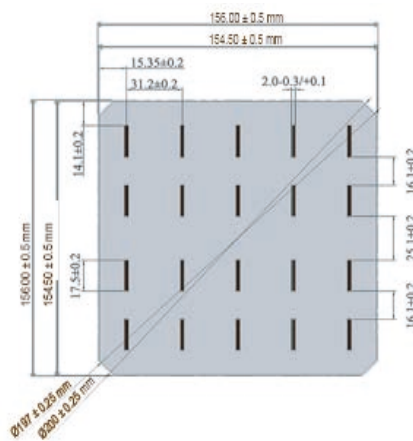
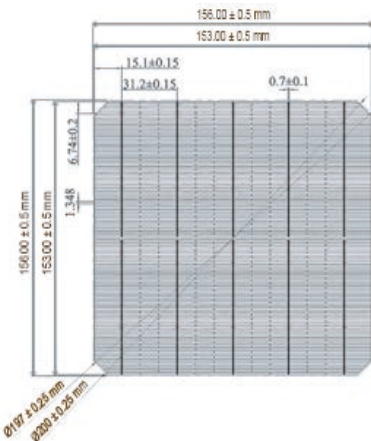
*Standard test condition; AM 1.5, 1000W/m², 25°C

Electrical Characteristics

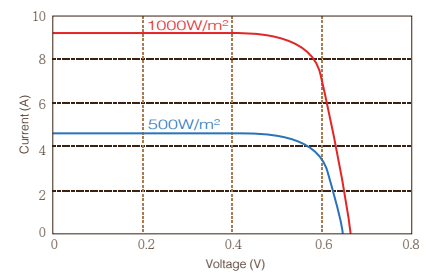
| No | Efficiency (%) | Pmpp (W) | Umpp (V) | Impp (A) | Voc (V) | Isc (A) |
|----|----------------|----------|----------|----------|---------|---------|
| 01 | 19.80 | 4.73 | 0.551 | 8.591 | 0.650 | 9.153 |
| 02 | 20.00 | 4.78 | 0.554 | 8.627 | 0.653 | 9.183 |
| 03 | 20.20 | 4.83 | 0.558 | 8.652 | 0.657 | 9.206 |
| 04 | 20.40 | 4.87 | 0.561 | 8.684 | 0.660 | 9.234 |
| 05 | 20.60 | 4.92 | 0.565 | 8.714 | 0.663 | 9.260 |
| 06 | 20.80 | 4.97 | 0.569 | 8.744 | 0.666 | 9.287 |
| 07 | 21.00 | 5.02 | 0.572 | 8.775 | 0.669 | 9.314 |

*Data under standard testing conditions (STC): 1000W/m², AM1.5, 25°C, efficiency tolerance; average +3%/-0.1% absolute.

Conductor Patterns (unit: mm)

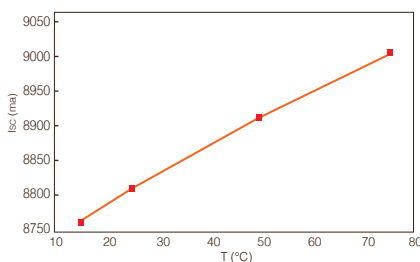


Typical IV Curve

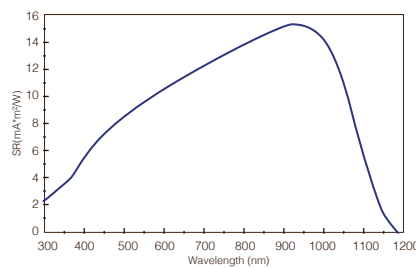


Calculated Temperature Coefficients

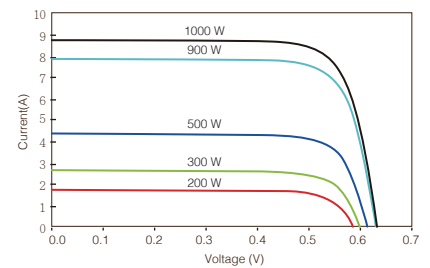
Short Circuit Current
 TK(Isc)=(4.27±0.57)mA/K
 TK(Isc)=(0.0484±0.0065)%/K



Typical Spectral Response



Typical Current-Voltage Curve



Package: Typical package for one carton contains 1,200 cells. The cells are sealed in cell box every 100 PCs.
 * The datasheet is for informational purposes only and subject to change without prior notice.