

# Mono-Crystalline Silicon Solar Cell



**PHYSICAL CHARACTERISTICS**

Dimension 156 mm x 156 mm ± 0.5 mm  
 Wafer Thickness NS6M : 200µm ± 30µm  
 NS6N : 180µm + 30µm / -20µm  
 Front(-) Three 1.5 mm wide bus bars (silver) with distance 52 mm, alkaline texturized surface with dark blue silicon nitride AR coating.  
 Back(+) 3.0mm wide silver/aluminum soldering pads, aluminum back surface field.

**TYPICAL ELECTRICAL CHARACTERISTICS**

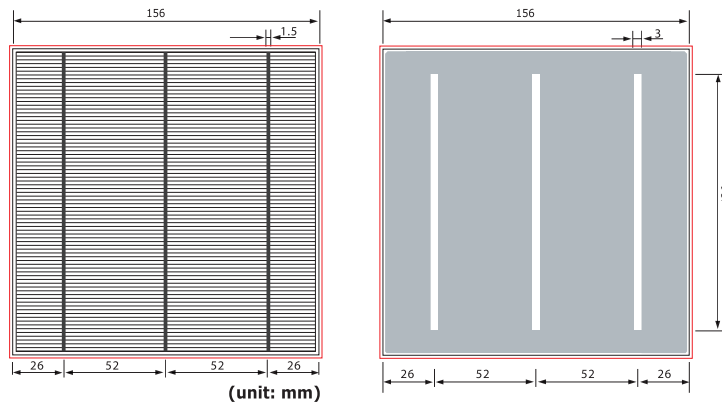
| Efficiency code      | 1820  | 1840  | 1860  | 1880  | 1900  | 1920  |
|----------------------|-------|-------|-------|-------|-------|-------|
| Efficiency (min) (%) | 18.2  | 18.4  | 18.6  | 18.8  | 19.0  | 19.2  |
| Pmax (W)             | 4.429 | 4.478 | 4.526 | 4.575 | 4.624 | 4.673 |
| Voc (V)              | 0.638 | 0.639 | 0.641 | 0.642 | 0.643 | 0.644 |
| Isc (A)              | 8.869 | 8.941 | 9.008 | 9.087 | 9.176 | 9.256 |
| Vmp (V)              | 0.528 | 0.530 | 0.532 | 0.534 | 0.535 | 0.535 |
| Imp (A)              | 8.389 | 8.449 | 8.508 | 8.568 | 8.643 | 8.734 |

\*Data under standard testing conditions (STC): 1,000W/m<sup>2</sup>, AM1.5, 25°C, Pmax: Positive power tolerance.  
 \*Model name = Product code + Efficiency code, example : NS6M-1860.

**TYPICAL TEMPERATURE COEFFICIENTS**

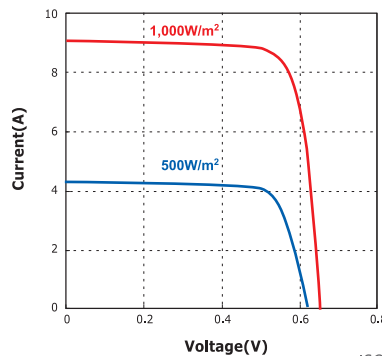
Voltage -2.16 mV/K  
 Current +4.45 mA/K  
 Power -0.44 %/K

**CONDUCTOR PATTERNS**



**TYPICAL I-V CURVE**

(Cell Efficiency 18.6 %)



ISO 9001, ISO 14001 and OHSAS 18001 certified



**PACKAGE**

Typical package for one carton contains 1,200 cells. The cells are sealed in cell box every 100 pcs. Gross weight per unit carton shall be around 17.1kg.

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