



NEO SOLAR POWER

NS6M
NS6N

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(+) 2.1 mm wide silver/aluminum soldering pads, aluminum back surface field.

TYPICAL ELECTRICAL CHARACTERISTICS

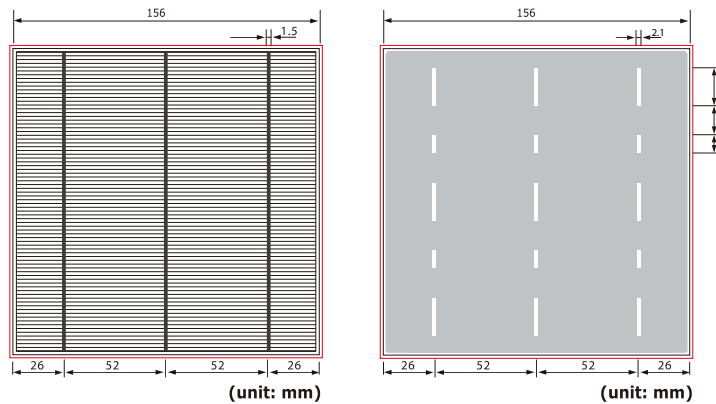
| Efficiency code | 1820 | 1840 | 1860 | 1880 | 1900 | 1920 |
|----------------------|-------|-------|-------|-------|-------|-------|
| Efficiency (min) (%) | 18.2 | 18.4 | 18.6 | 18.8 | 19.0 | 19.2 |
| Pmax (W) | 4.429 | 4.478 | 4.526 | 4.575 | 4.624 | 4.673 |
| Voc (V) | 0.638 | 0.639 | 0.641 | 0.642 | 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/m², AM1.5, 25°C, Pmax: Positive power tolerance.
*Model name = Product code + Efficiency code, example : NS6M-1860.

TYPICAL TEMPERATURE COEFFICIENTS

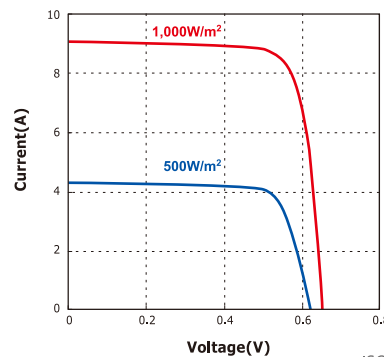
Voltage -2.16 mV/K
Current +4.45 mA/K
Power -0.44 %/K

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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