



NEO SOLAR POWER

NS6ML
NS6NL

Mono-Crystalline Silicon Solar Cell



PHYSICAL CHARACTERISTICS

Dimension	156 mm x 156 mm \pm 0.5 mm
Wafer Thickness	NS6ML : 200 μ m \pm 30 μ m NS6NL : 180 μ m + 30 μ m / -20 μ m
Front(-)	Three 1.5mm 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	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950
Efficiency (%)	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5
Pmax (W)	4.444	4.468	4.492	4.516	4.540	4.564	4.588	4.612	4.636	4.660
Voc (V)	0.640	0.641	0.641	0.642	0.642	0.643	0.644	0.645	0.645	0.646
Isc (A)	8.842	8.863	8.884	8.907	8.931	8.958	8.985	9.007	9.029	9.054
Vmp (V)	0.531	0.534	0.536	0.539	0.541	0.543	0.545	0.546	0.547	0.548
Imp (A)	8.369	8.375	8.381	8.387	8.392	8.408	8.424	8.451	8.478	8.498

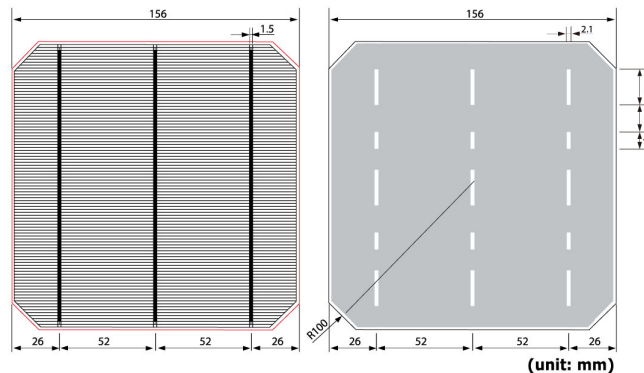
*Data under standard testing conditions (STC): 1,000W/m², AM1.5, 25°C, Pmax: Positive power tolerance.

*Model name = Product code + Efficiency code, example : NS6ML-1920.

TYPICAL TEMPERATURE COEFFICIENTS

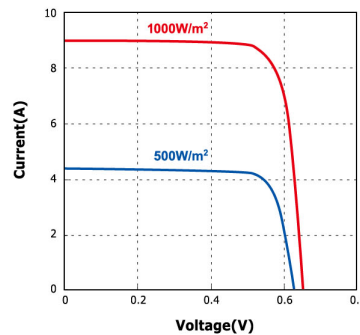
Voltage	-2.08	mV/K
Current	+4.51	mA/K
Power	-0.40	%/K

CONDUCTOR PATTERNS



TYPICAL I-V CURVE

(Cell Efficiency 19.2 %)



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 15.6kg.

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