



NEO SOLAR POWER

NS6ML  
NS6NL

# Mono-Crystalline Silicon Solar Cell



## PHYSICAL CHARACTERISTICS

Dimension	156 mm x 156 mm ± 0.5 mm
Wafer Thickness	NS6ML : 200µm ± 30µm NS6NL : 180µm + 30µm / -20µm
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	1840	1860	1880	1890	1900	1910	1920	1930	1940
Efficiency (%)	18.4	18.6	18.8	18.9	19.0	19.1	19.2	19.3	19.4
Pmax (W)	4.397	4.444	4.492	4.516	4.540	4.564	4.588	4.612	4.636
Voc (V)	0.638	0.640	0.641	0.642	0.642	0.643	0.644	0.645	0.645
Isc (A)	8.814	8.842	8.865	8.897	8.925	8.953	8.976	9.001	9.029
Vmp (V)	0.539	0.540	0.541	0.542	0.542	0.543	0.544	0.545	0.546
Imp (A)	8.157	8.231	8.304	8.332	8.376	8.405	8.434	8.462	8.490

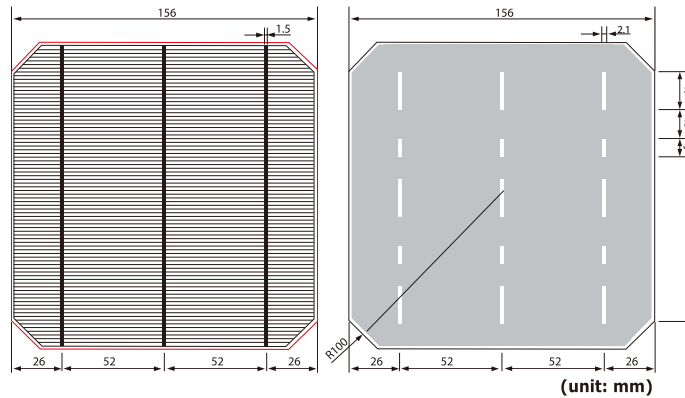
\*Data under standard testing conditions (STC): 1,000W/m<sup>2</sup>, AM1.5, 25°C, Pmax: Positive power tolerance.

\*Model name = Product code + Efficiency code, example : NS6ML-1900.

## TYPICAL TEMPERATURE COEFFICIENTS

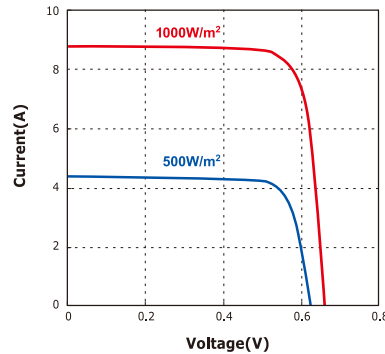
Voltage	-2.16	mV/K
Current	+4.45	mA/K
Power	-0.44	%/K

## CONDUCTOR PATTERNS



## TYPICAL I-V CURVE

(Cell Efficiency 19.0 %)



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 16.4kg.

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