

Crystalline Silicon Solar Cell



PHYSICAL CHARACTERISTICS

Dimension 156 mm x 156 mm ± 0.5 mm
 Wafer Thickness NL6M : 200µm ± 30µm
 NL6N : 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

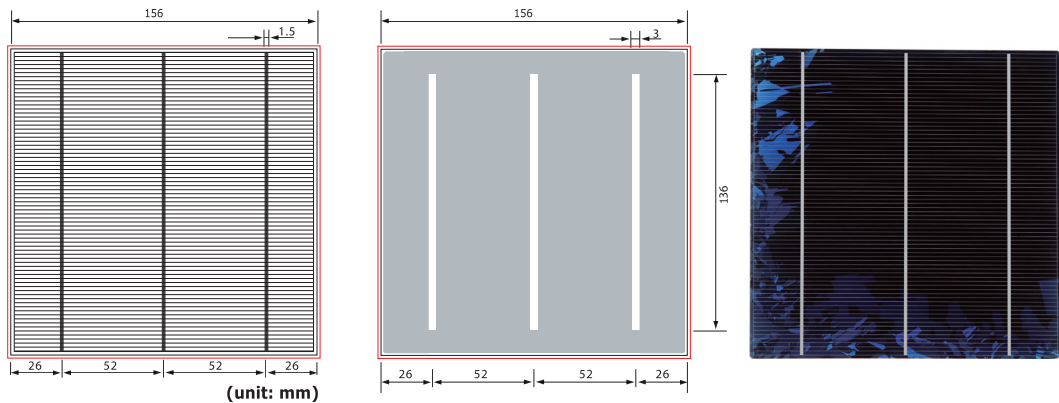
Efficiency code	1720	1740	1760	1780	1800	1820	1840	1860
Efficiency (min) (%)	17.2	17.4	17.6	17.8	18.0	18.2	18.4	18.6
Pmax (W)	4.186	4.234	4.283	4.332	4.380	4.429	4.478	4.526
Voc (V)	0.628	0.630	0.633	0.636	0.638	0.640	0.642	0.644
Isc (A)	8.652	8.719	8.775	8.824	8.877	8.936	8.983	9.031
Vmp (V)	0.515	0.518	0.520	0.523	0.526	0.528	0.530	0.532
Imp (A)	8.128	8.175	8.237	8.283	8.328	8.389	8.449	8.508

*Data under standard testing conditions (STC): 1,000W/m², AM1.5, 25°C, Pmax: Positive power tolerance.
 *Model name = Product code + Efficiency code, example : NL6M-1720.

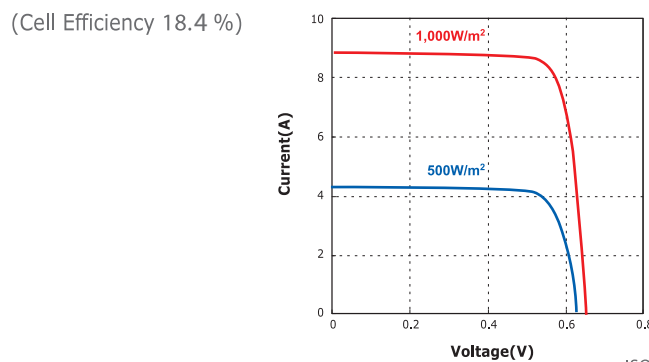
TYPICAL TEMPERATURE COEFFICIENTS

Voltage -1.86 mV/K
 Current +3.91 mA/K
 Power -0.38 %/K

CONDUCTOR PATTERNS



TYPICAL I-V CURVE



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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