



NEO SOLAR POWER

NP6M  
NP6N

## Multi-Crystalline Silicon Solar Cell



### PHYSICAL CHARACTERISTICS

Dimension	156 mm x 156 mm $\pm$ 0.5 mm
Wafer Thickness	NP6M : 200 $\mu$ m $\pm$ 30 $\mu$ m NP6N : 180 $\mu$ m + 30 $\mu$ m / -20 $\mu$ m
Front(-)	Three 1.5 mm wide bus bars (silver) with distance 52 mm, acid texturized surface with blue silicon nitride AR coating.
Back(+)	2.1 mm wide silver/aluminum soldering pads, aluminum back surface field.

### TYPICAL ELECTRICAL CHARACTERISTICS

Efficiency code	1700	1720	1740	1760	1780	1800	1820	1840
Efficiency (min) (%)	17.0	17.2	17.4	17.6	17.8	18.0	18.2	18.4
Pmax (W)	4.137	4.186	4.234	4.283	4.332	4.380	4.429	4.478
Voc (V)	0.637	0.638	0.640	0.643	0.645	0.646	0.648	0.650
Isc (A)	8.284	8.358	8.401	8.441	8.474	8.513	8.551	8.590
Vmp (V)	0.537	0.538	0.541	0.544	0.547	0.549	0.551	0.554
Imp (A)	7.704	7.775	7.824	7.872	7.925	7.979	8.033	8.087

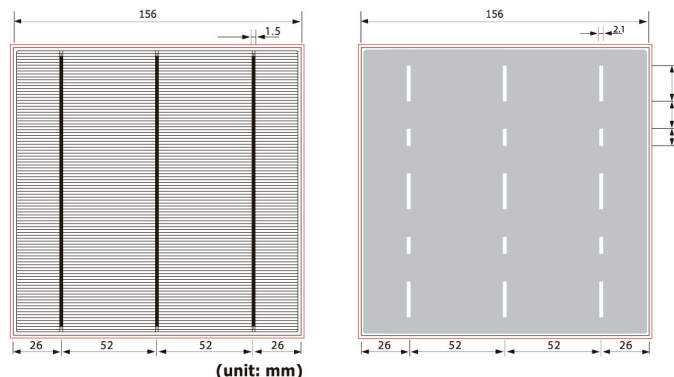
\*Data under standard testing conditions (STC): 1,000W/m<sup>2</sup>, AM1.5, 25°C, Pmax: Positive power tolerance.

\*Model name = Product code + Efficiency code, example : NP6M-1780.

### TYPICAL TEMPERATURE COEFFICIENTS

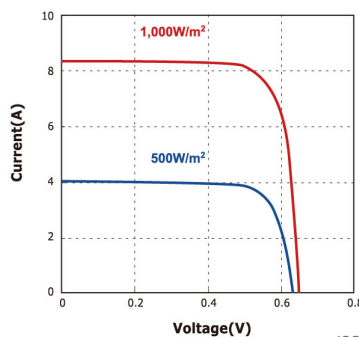
Voltage	-2.08	mV/K
Current	+4.58	mA/K
Power	-0.40	%/K

### CONDUCTOR PATTERNS



### TYPICAL I-V CURVE

(Cell Efficiency 17.8 %)



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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