

# Multi-Crystalline Silicon Solar Cell



**PHYSICAL CHARACTERISTICS**

Dimension 156 mm x 156 mm ± 0.5 mm  
 Wafer Thickness NP6C : 200µm ± 30µm  
 NP6D : 180µm + 30µm / -20µm  
 Front(-) Two 2.0 mm wide bus bars (silver) with distance 75 mm, acid texturized surface with blue silicon nitride AR coating.  
 Back(+) 3.5mm wide silver/aluminum soldering pads, aluminum back surface field.

**TYPICAL ELECTRICAL CHARACTERISTICS**

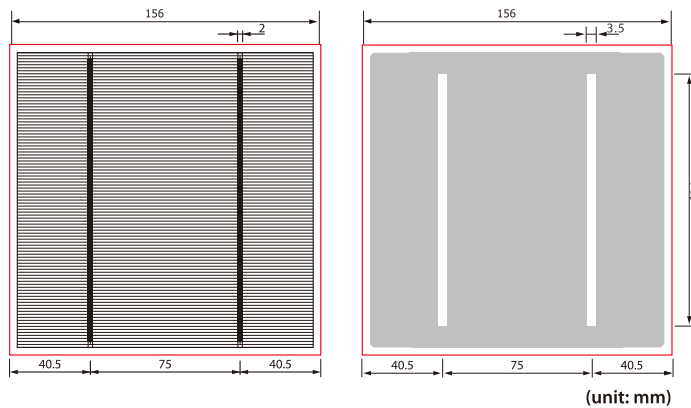
Efficiency code	1640	1660	1680	1700	1720	1740	1760
Efficiency (min) (%)	16.4	16.6	16.8	17.0	17.2	17.4	17.6
Pmax (W)	3.991	4.040	4.088	4.137	4.186	4.234	4.283
Voc (V)	0.623	0.626	0.629	0.631	0.633	0.635	0.637
Isc (A)	8.412	8.455	8.506	8.557	8.602	8.643	8.681
Vmp (V)	0.515	0.517	0.520	0.522	0.524	0.526	0.527
Imp (A)	7.750	7.814	7.862	7.926	7.988	8.050	8.127

\*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 : NP6C-1720.

**TYPICAL TEMPERATURE COEFFICIENTS**

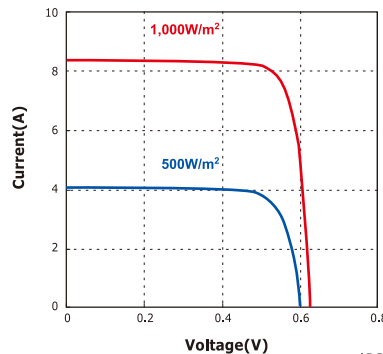
Voltage -2.14 mV/K  
 Current +4.93 mA/K  
 Power -0.43 %/K

**CONDUCTOR PATTERNS**



**TYPICAL I-V CURVE**

(Cell Efficiency 17.2 %)



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 17.1kg.

Neo Solar Power Corp. 7, Li-Hsin 3rd Rd, Hsinchu Science Park, Hsinchu, 30078, Taiwan  
 Tel: +886-3-5780011 Fax: +886-3-5781255 Email: sales@nsp.com Website: www.nsp.com

NOTE: The statements made herein are based on our research and the research of others, and believed to be accurate. No guarantee of their accuracy is made, however, and the products discussed are sold without warranty, expressed or implied, including warranty of merchantability and fitness for use of this material, upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. The user assumes all risks of use or handling, whether or not in accordance with any statements of the supplier. Suppliers liability, if any, for any action arising out of the material being supplied shall be limited to replacement of material. Statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent.