

## Multi-Crystalline Silicon Solar Cell



### PHYSICAL CHARACTERISTICS

Dimension 156.75 mm x 156.75 mm ± 0.25 mm  
 Wafer Thickness NP6Q : 200µm ± 30µm

Front(-) Four 1 mm wide bus bars (silver) with distance 39 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

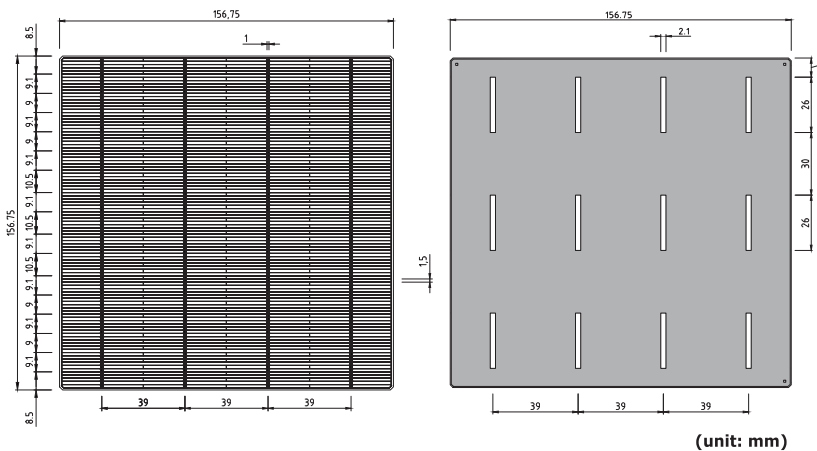
Efficiency code	1880	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000
Efficiency (%)	18.8	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0
Pmax (W)	4.619	4.668	4.693	4.718	4.742	4.767	4.791	4.816	4.840	4.865	4.890	4.914
Voc (V)	0.650	0.654	0.656	0.658	0.659	0.661	0.662	0.663	0.664	0.665	0.666	0.666
Isc (A)	9.077	9.124	9.145	9.165	9.182	9.198	9.212	9.225	9.236	9.247	9.256	9.266
Vmp (V)	0.542	0.545	0.547	0.548	0.550	0.552	0.553	0.554	0.556	0.557	0.559	0.560
Imp (A)	8.521	8.564	8.583	8.601	8.622	8.643	8.665	8.687	8.707	8.727	8.748	8.769

\*Data under standard testing conditions (STC): 1,000W/m<sup>2</sup>, AM1.5, 25°C, efficiency tolerance : average + 0.3%/-0.1% absolute.  
 \*Model name = Product code + Efficiency code, example : NP6Q-1940.

### TYPICAL TEMPERATURE COEFFICIENTS

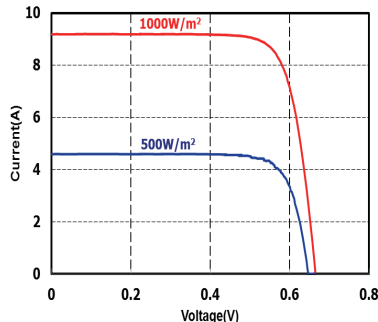
Voltage -2.00 mV/K  
 Current +3.74 mA/K  
 Power -0.40 %/K

### CONDUCTOR PATTERNS



### TYPICAL I-V CURVE

(Cell Efficiency 19.4 %)



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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