

Mono-Crystalline Silicon Solar Cell



PHYSICAL CHARACTERISTICS

Dimension 156.75 mm x 156.75 mm ± 0.25 mm
 Wafer Thickness NS6QL : 200µm ± 30µm
 Front(-) Four 1 mm wide bus bars (silver) with distance 39 mm, alkaline texturized surface with dark blue silicon nitride AR coating.
 Back(+) 2.1 mm wide silver/aluminum soldering pads, aluminum local back surface field.

TYPICAL ELECTRICAL CHARACTERISTICS

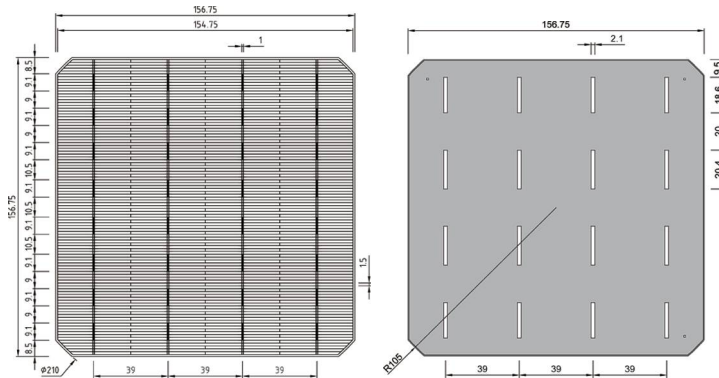
Efficiency code	2060	2080	2090	2100	2110	2120	2130	2140	2150	2160
Efficiency (%)	20.6	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6
Pmax (W)	5.033	5.082	5.106	5.131	5.155	5.180	5.204	5.228	5.253	5.277
Voc (V)	0.661	0.664	0.665	0.666	0.667	0.667	0.668	0.668	0.668	0.668
Isc (A)	9.646	9.697	9.722	9.748	9.773	9.798	9.824	9.849	9.875	9.900
Vmp (V)	0.549	0.551	0.552	0.553	0.554	0.555	0.556	0.557	0.558	0.559
Imp (A)	9.162	9.217	9.244	9.272	9.299	9.326	9.354	9.381	9.409	9.436

*Data under standard testing conditions (STC): 1,000W/m², AM1.5, 25°C, efficiency tolerance : average + 0.3%/-0.1% absolute.
 *Model name = Product code + Efficiency code, example : NS6QL-2080.

TYPICAL TEMPERATURE COEFFICIENTS

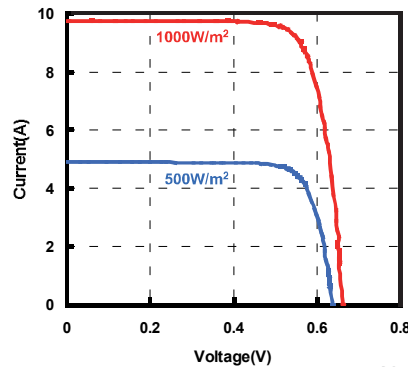
Voltage -2.00 mV/K
 Current +3.70 mA/K
 Power -0.40 %/K

CONDUCTOR PATTERNS



TYPICAL I-V CURVE

(Cell Efficiency 20.8%)



(unit: mm)

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 16.6kg.

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ISO 9001, ISO 14001 and OHSAS 18001 certified.

