

NS6QL

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(+) 1.9 mm wide silver/aluminum soldering pads, aluminum local back surface field.

TYPICAL ELECTRICAL CHARACTERISTICS

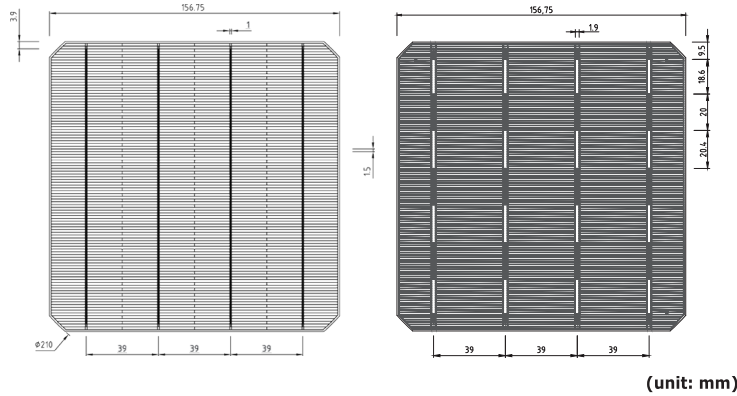
Efficiency code	2060	2070	2080	2090	2100	2110	2120	2130	2140
Efficiency (%)	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4
Pmax (W)	5.033	5.057	5.082	5.106	5.131	5.155	5.180	5.204	5.228
Voc (V)	0.655	0.656	0.657	0.658	0.659	0.660	0.660	0.661	0.661
Isc (A)	9.723	9.729	9.735	9.741	9.746	9.752	9.758	9.764	9.769
Vmp (V)	0.552	0.554	0.556	0.558	0.560	0.562	0.564	0.565	0.567
Imp (A)	9.120	9.135	9.149	9.160	9.170	9.181	9.191	9.201	9.211

*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.

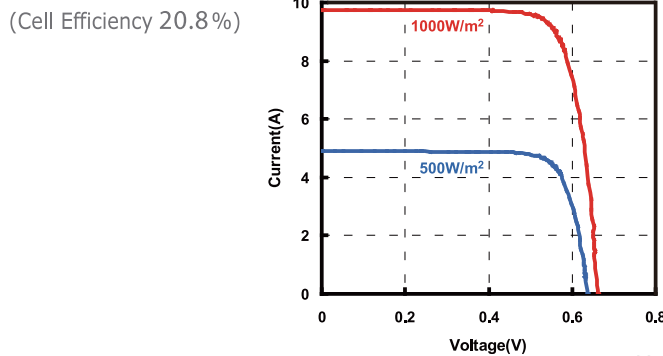
TYPICAL TEMPERATURE COEFFICIENTS

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

CONDUCTOR PATTERNS



TYPICAL I-V CURVE



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 16.6kg.

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