

Multi-Crystalline Silicon Solar Cell



PHYSICAL CHARACTERISTICS

Dimension	156 mm x 156 mm ± 0.5 mm
Wafer Thickness	NP6M : 200µm ± 30µm NP6N : 180µm + 30µm / -20µm
Front(-)	Three 1.5 mm wide bus bars (silver) with distance 52 mm, acid texturized surface with blue silicon nitride AR coating.
Back(+)	3.0mm 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)	0.621	0.622	0.623	0.625	0.627	0.629	0.631
Isc (A)	8.203	8.267	8.335	8.398	8.454	8.506	8.561
Vmp (V)	0.519	0.520	0.521	0.523	0.525	0.527	0.529
Imp (A)	7.690	7.769	7.847	7.910	7.973	8.035	8.097

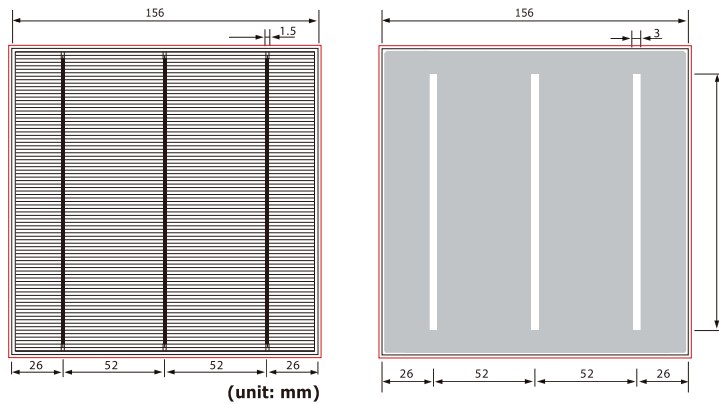
*Data under standard testing conditions (STC): 1,000W/m², AM1.5, 25°C, Pmax: Positive power tolerance.

*Model name = Product code + Efficiency code, example : NP6M-1720.

TYPICAL TEMPERATURE COEFFICIENTS

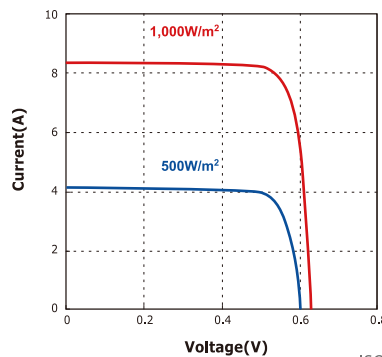
Voltage	-2.14	mV/K
Current	+4.93	mA/K
Power	-0.43	%/K

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.

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