

XXR M6-166

12BB Monocrystalline Silicon Solar Cell

PHYSICAL CHARACTERISTICS

Dimension 166*166mm
Wafer Thickness 190 μ m \pm 20 μ m
Front(-) Five 0.4mm wide bus bars (silver) with distance 12mm
alkaline texturized surface with dark blue silicon nitride AR coating
Back(+) 1.5mm wide silver/aluminum soldering pads, aluminum local back surface field.

TYPICAL ELECTRICAL CHARACTERISTICS

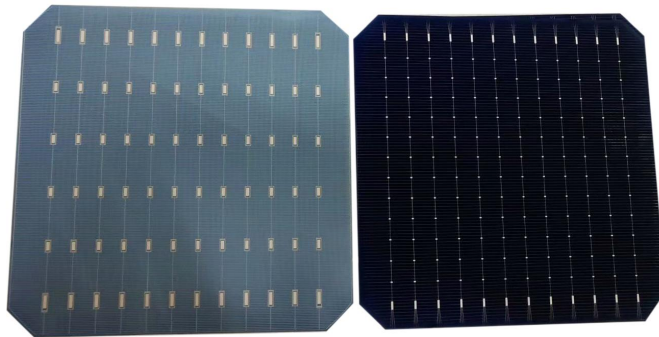
| Efficiency Code | 2150 | 2160 | 2180 | 2200 | 2220 | 2240 | 2260 | 2280 | 2300 | 2320 | 2340 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Efficiency(%) | 21.5 | 21.6 | 21.8 | 22.0 | 22.2 | 22.4 | 22.6 | 22.8 | 23.0 | 23.2 | 23.4 |
| Pmax(W) | 5.891 | 5.918 | 5.973 | 6.028 | 6.083 | 6.138 | 6.192 | 6.247 | 6.302 | 6.357 | 6.412 |
| Vmp(V) | 0.530 | 0.530 | 0.530 | 0.530 | 0.530 | 0.530 | 0.530 | 0.530 | 0.530 | 0.530 | 0.530 |
| Imp(A) | 11.115 | 11.167 | 11.270 | 11.374 | 11.477 | 11.580 | 11.684 | 11.787 | 11.891 | 11.994 | 12.097 |
| Voc(V) | 0.625 | 0.625 | 0.625 | 0.625 | 0.625 | 0.625 | 0.625 | 0.625 | 0.625 | 0.625 | 0.625 |
| Isc(A) | 11.671 | 11.725 | 11.834 | 11.942 | 12.051 | 12.159 | 12.268 | 12.377 | 12.485 | 12.594 | 12.702 |

Data under standard testing conditions(STC): 1,000W/m², AM1.5, 25 $^{\circ}$ C, eff. tolerance : average + 0.3%/-0.1% absolute.

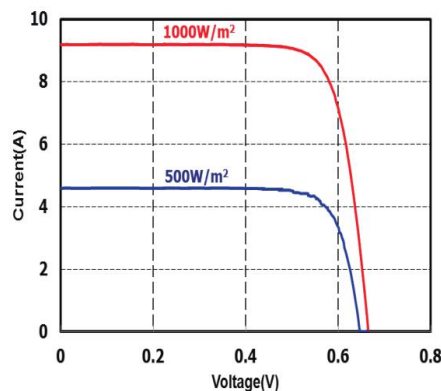
TYPICAL TEMPERATURE COEFFICIENTS

Voltage -2.00 mV/K
Current +3.70 mA/K
Power -0.4%/K

CONDUCTOR PATTERNS



TYPICAL I-V CURVE (Cell Efficiency 22%)



PACKAGE

Typical package for 1 pallet contains 24 cartons, 1 carton contains 1,440cells. The cells are sealed in cell box every 120pcs. Gross weight per unit carton shall be around 17.8kgs.



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