

XXR M12-158.75

12BB Monocrystalline Silicon Solar Cell

PHYSICAL CHARACTERISTICS

Dimension 158.75mm X158.75mm
Wafer Thickness 190 μ m \pm 20 μ m
Front(-) Five 0.5mm wide bus bars (silver) with distance 31.2mm
alkaline texturized surface with dark blue silicon nitride AR coating
Back(+) 1.7mm wide silver/aluminum soldering pads, aluminum local back surface field.

TYPICAL ELECTRICAL CHARACTERISTICS

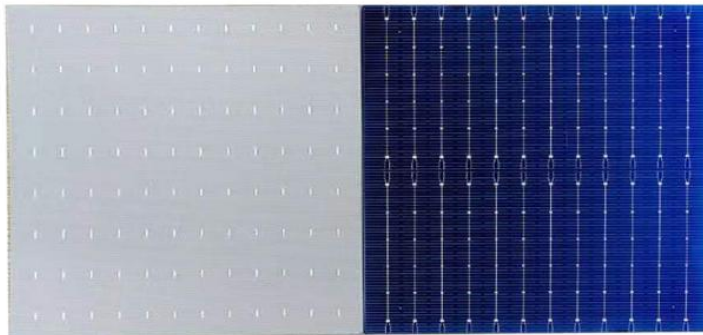
Efficiency Code	2150	2160	2180	2190	2200	2220	2240	2260	2280	2300	2320	2340
Efficiency(%)	21.5	21.6	21.8	21.9	22.0	22.2	22.4	22.6	22.8	23.0	23.2	23.4
Pmax(W)	5.385	5.410	5.460	5.485	5.510	5.560	5.610	5.660	5.710	5.760	5.810	5.861
Vmp(V)	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530
Imp(A)	10.160	10.207	10.302	10.349	10.396	10.491	10.585	10.680	10.774	10.869	10.963	11.058
Voc(V)	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.049	0.625	0.625	0.625
Isc(A)	10.668	10.717	10.817	10.866	10.916	11.015	11.114	11.214	11.313	11.412	11.511	11.610

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

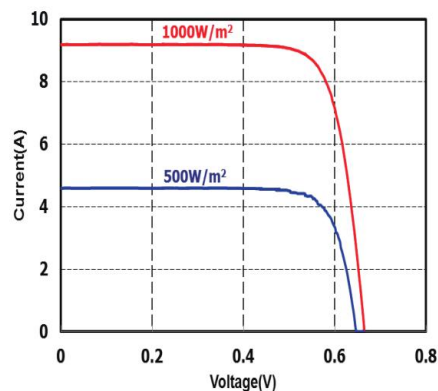
TYPICAL TEMPERATURE COEFFICIENTS

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

CONDUCTOR PATTERNS



TYPICAL I-V CURVE (Cell Efficiency 22.3%)



PACKAGE

Typical package for 1 pallet contains 24 cartons, 1 carton contains 1,400cells. The cells are sealed in cell box every 100pcs. Gross weight per unit carton shall be around 17.3kgs.



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