

XXR M12-210

12BB Monocrystalline Silicon Solar Cell

PHYSICAL CHARACTERISTICS

Dimension 210*210mm
Wafer Thickness $180\mu\text{m} \pm 20\mu\text{m}$
Front(-) Five 0.5mm wide bus bars (silver) with distance 17mm
alkaline texturized surface with dark blue silicon nitride AR coating
Back(+) 1.4mm wide silver/aluminum soldering pads, aluminum local back surface field.

TYPICAL ELECTRICAL CHARACTERISTICS

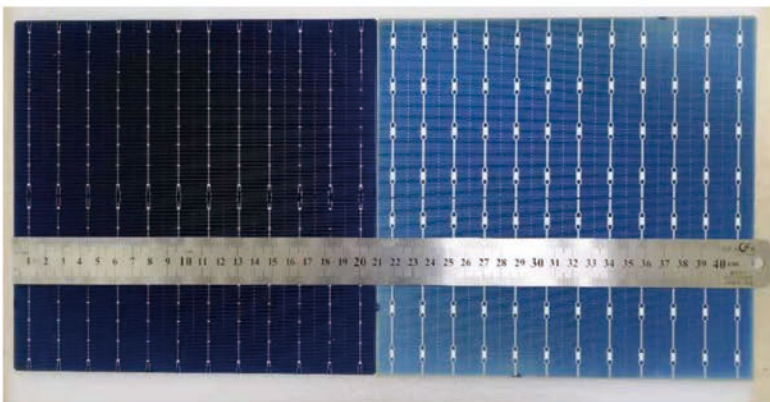
Efficiency Code	2150	2160	2180	2190	2200	2220	2240	2260	2280	2300	2320	2340
Efficiency(%)	21.5	21.6	21.8	21.9	22.0	22.2	22.4	22.6	22.8	23.0	23.2	23.4
Pmax(W)	9.482	9.526	9.614	9.658	9.702	9.790	9.878	9.967	10.055	10.143	10.231	10.319
Vmp(V)	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Imp(A)	17.890	17.973	18.139	18.222	18.306	18.472	18.638	18.805	18.971	19.138	19.304	19.471
Voc(V)	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
Isc(A)	18.784	18.871	19.046	19.134	19.221	19.396	19.570	19.745	19.920	20.095	20.269	20.444

Data under standard testing conditions(STC): $1,000\text{W}/\text{m}^2$, AM1.5, 25°C , eff. tolerance : average + 0.3%/-0.1% absolute.

TYPICAL TEMPERATURE COEFFICIENTS

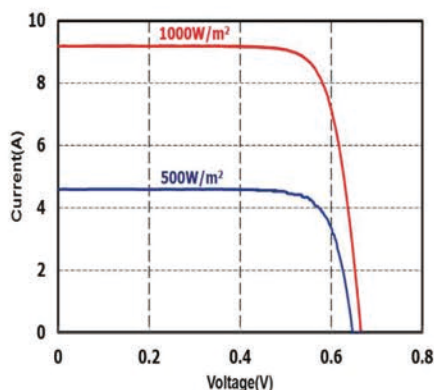
Voltage -2.00 mV/K
Current +3.70 mA/K
Power -0.4%/K

CONDUCTOR PATTERNS



TYPICAL I-V CURVE

(Cell Efficiency 22.3%)



PACKAGE

Typical package for 1 pallet contains 24 cartons, 1 carton contains 1,600cells. The cells are sealed in cell box every 100pcs. Gross weight per unit carton shall be around 28.5kgs.



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