

PERC210 G12-12BB

210 Mono-Crystalline Bifacial Solar Cell

Test Efficiency



22.8-23.6%

Temperature Coefficients

Temperature coefficient of Pmax	-0.38%/K
Temperature coefficient of Vocmax	-0.36%/K
Temperature coefficient of Iscmax	+0.07%/K

Product Characteristics



High Photoelectric Conversion Efficiency

The photoelectric conversion efficiency is enhanced to save balance of system (BOS) costs.



Excellent Resistance to Hidden Cracks

Mechanical performance is good enough to effectively reduce hidden cracks.



Higher Power Generation Efficiency

The attenuation rate is low, ensuring the generation capacity for a project.



Larger Generation Capacity

A large generation capacity increases project profits.

Electrical Characteristics

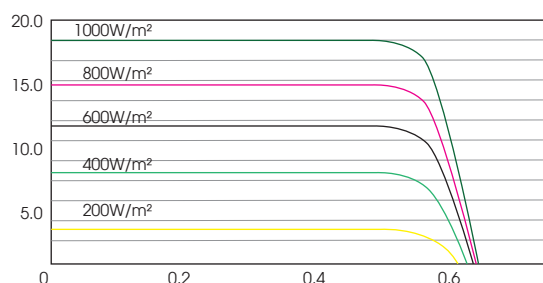
Eta (%)	23.60	23.50	23.40	23.30	23.20	23.10	23.00	22.90	22.80
Pmp (W)	10.52	10.48	10.44	10.40	10.36	10.32	10.28	10.24	10.19
Voc (V)	0.697	0.695	0.693	0.693	0.691	0.690	0.689	0.688	0.687
Isc (A)	18.481	18.470	18.462	18.428	18.413	18.400	18.381	18.363	18.344
Vmp (V)	0.600	0.598	0.596	0.595	0.593	0.592	0.590	0.589	0.587
Imp (A)	17.600	17.570	17.530	17.490	17.460	17.440	17.410	17.380	17.350

*Standard Test Conditions: 1000W/m², AM1.5, 25°C

Mechanical Characteristics

Model	210 Mono-Crystalline Bifacial Solar Cell (PERC210 G12-12BB)
Dimension	210mmx210mm±0.5mm
Thickness	170±17µm
Front	12x0.1mm main grid lines (silver), 186 auxiliary grid lines, blue anti-reflection film (silicon oxynitride)
Back	Back electrode 1.6±0.3mm, 198 auxiliary grid lines, blue anti-reflecting film (silicon oxynitride)

IV Curve



Light Intensity Reliability

Intensity(w/m ²)	Uoc	Isc
1000	1.000	1.000
800	0.99	0.8
600	0.98	0.6
400	0.96	0.4
200	0.93	0.2

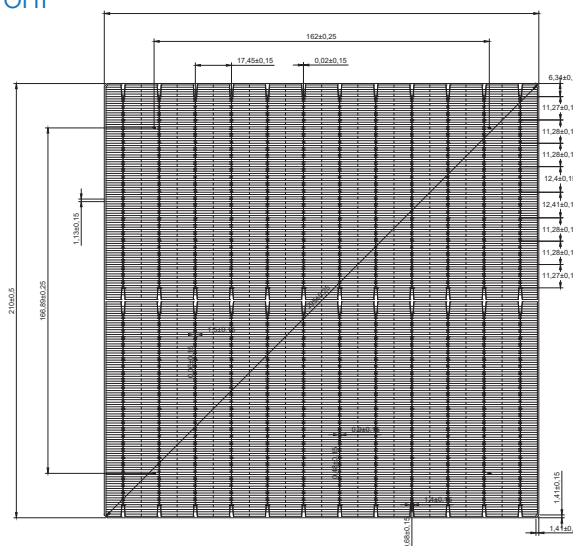
*Voc(Isc)measured at 1000W/m², the extent of Uoc(Isc)decreasing with light intensity

Packaging Information

Packaging	Pcs/Box	Box/Carton	Pcs/Carton
	120	12	1440

Cell Drawing

Front



Back

