



# 210Heterojunction Solar Cells

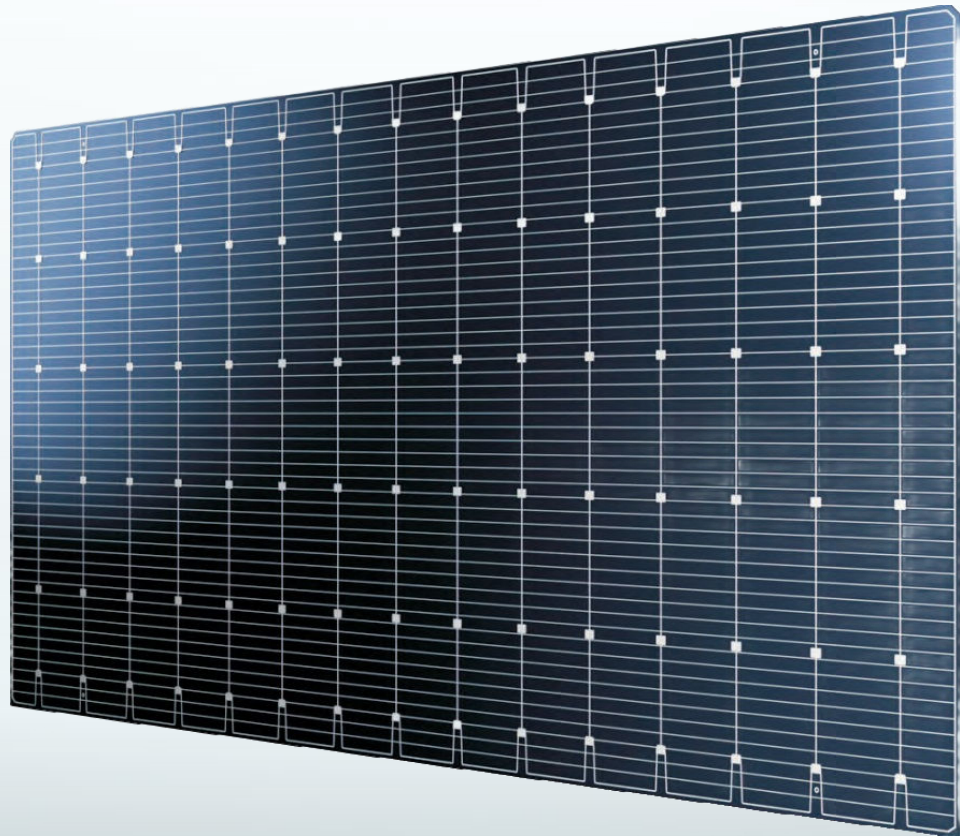
efficiency of testing production

**22.8~25.5%**



Dimension : 210.1mm × 105.05mm ± 0.15mm

Cell Thickness : 110μm ± 15μm

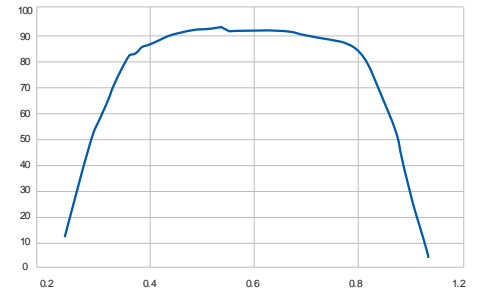
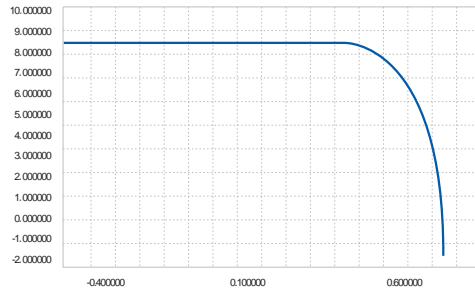
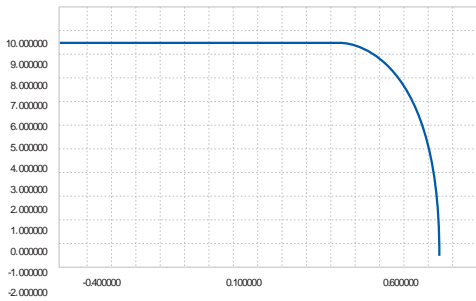


**JH21015BBG12**

Frontside

Backside

Wavelength (μm)



### Electrical Performance

Cell Type	Unit	JH-210M 255	JH-210M 254	JH-210M 253	JH-210M 252	JH-210M 251	JH-210M 250	JH-210M 249	JH-210M 248
Max. Power	Pmpp(W)	5.62	5.6	5.58	5.56	5.53	5.51	5.49	5.47
Current at the Max. Power Point	mpp(A)	8.307	8.286	8.266	8.245	8.223	8.216	8.193	8.176
Voltage at the Max. Power Point	Vmpp(V)	0.677	0.676	0.675	0.674	0.673	0.672	0.671	0.67
Short-Circuit Current	Isc(A)	8.7164	8.7105	8.7046	8.6987	8.6928	8.6869	8.6809	8.6750
Open-Circuit Voltage	Voc(V)	0.75	0.7495	0.7492	0.749	0.7487	0.7484	0.7482	0.7478
Filling Factor	FF	86.00	85.77	85.53	85.27	85.02	84.78	84.52	84.28
Efficiency	η [%]	25.5	25.4	25.3	25.2	25.1	25	24.9	24.8

### Backside Electrical Performance

	JH-210M 255	JH-210M 247	JH-210M 240
Max. Power	5.34	5.18	5.03
Current at the Max. Power Point	7.855	7.710	7.616
Voltage at the Max. Power Point	0.68	0.672	0.661
Short-Circuit Current	8.315	8.250	8.211
Open-Circuit Voltage	0.750	0.748	0.745
Filling Factor	85.64	83.86	82.16
Efficiency	24.23	23.47	22.80

### Physical Characteristics

Product	High-efficiency Monocrystalline HJT Solar Cell
Specification	N-type, 15BB, 210.1 * 105.05 ± 0.15 mm
Average Thickness	110±15μm
Front (-)	Front busbars (silver) 15*0.8mm with padding point; Blue Transparent Conductive Oxide (TCO) Film
Back (+)	Back Busbars (silver) 15 * 0.8mm with padding point; Blue Transparent Conductive Oxide (TCO) Film

### Temperature Coefficient

Max. Power	Pmax	-0.26%/K
Open-Circuit Voltage	Voc	-0.27%/K
Short-Circuit Current	Isc	+0.055%/K