



GOLDEN SOLAR

Make Solar Energy More Efficient!



JGYC-210-0BB Heterojunction Solar Cells

✓ Heterojunction Cell Technology

A heterojunction cell combines all the advantages of crystalline and thin-film solar technologies in a single hybrid structure.

✓ High Bifaciality

The bifaciality is > 95%, and the power output of HJT cells is about 1%-3% higher than that of bifacial PERC and TOPCon cells.

✓ Excellent Weak Light Performance

Under the lower irradiation intensity, HJT cells have an average of 1%-2% more power per watt than PERC bifacial cells.

✓ The Highest Efficiency

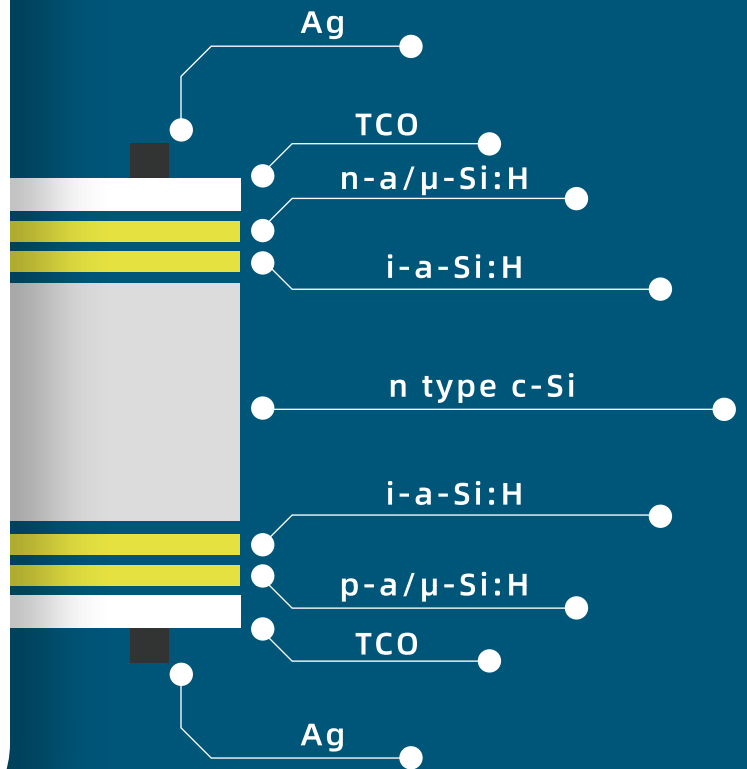
By using 210 mm N-type silicon wafer, the highest power of HJT cells can be up to 5.81 W, and its efficiency can be up to 26.3%.

✓ Higher Efficiency at High Temperature

The lowest temperature coefficient can be up to -0.254%/°C. Under high temperature environments, the output of HJT cells per W is about 0.5%-1.5% higher than that of bifacial TOPCon cells.

✓ Anti-PID, Anti-LID

Cells' surface is coated with TCO, so the charge will not induce polarization phenomenon on the cells' surface.

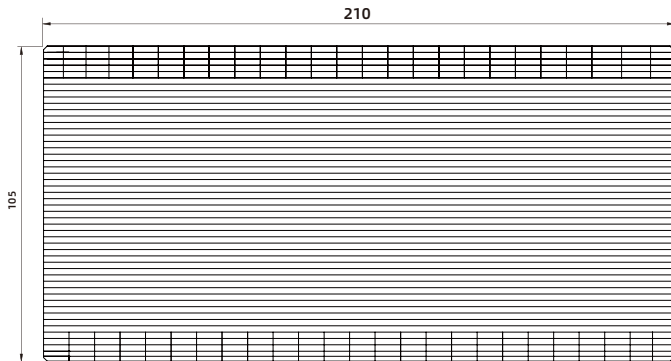


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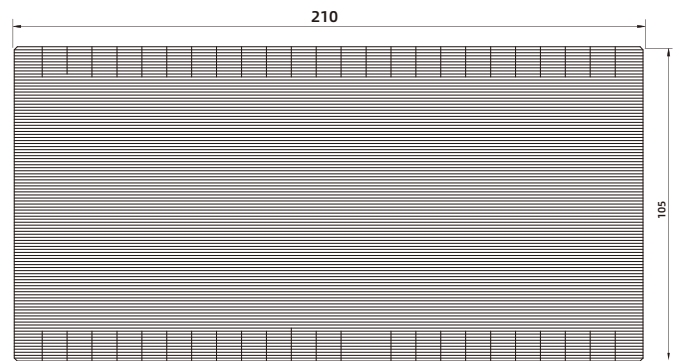


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The Cell's Front



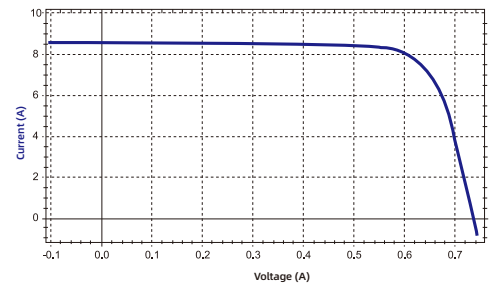
The Cell's Back



Electrical Performance Parameters

Efficiency Range	Eff (%)	Pmpp (W)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)	FF (%)
JG-210M-2630	26.30	5.81	0.687	8.386	0.754	8.813	87.49
JG-210M-2620	26.20	5.79	0.686	8.375	0.753	8.794	87.40
JG-210M-2610	26.10	5.77	0.685	8.364	0.753	8.775	87.31
JG-210M-2600	26.00	5.75	0.684	8.353	0.753	8.756	87.21
JG-210M-2590	25.90	5.72	0.683	8.342	0.752	8.737	86.97
JG-210M-2580	25.80	5.70	0.682	8.331	0.752	8.718	86.88
JG-210M-2570	25.70	5.68	0.681	8.320	0.752	8.699	86.83
JG-210M-2560	25.60	5.65	0.680	8.309	0.752	8.681	86.62

I-V Curve (25%)

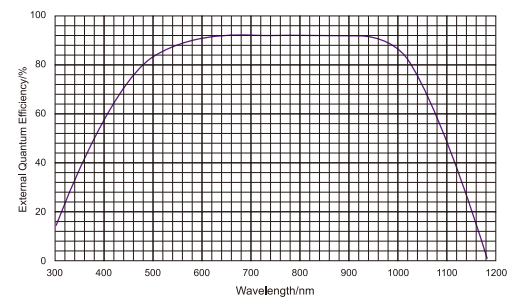


The amplitude of Voc (Isc) decreasing with irradiation intensity based on STC (1000W/m², AM1.5, 25°C).

Irradiation Dependence Characteristics

Irradiation (W/m ²)	Voc	Isc
1000	1.0	1.0
900	0.99	0.9
800	0.99	0.8
600	0.98	0.6
400	0.96	0.4

Spectral Response



Temperature Coefficient

Voc	-0.243 %/°C
Isc	+0.033 %/°C
Pmax	-0.254 %/°C

Mechanical data and Design

Dimension	210mm×105mm±0.25mm
Thickness	130±13μm, 120±12μm, 110±11μm
Front (-)	50 sub-busbars (silver or copper clad silver), blue transparent conductive film (TCO)
Back (+)	107 sub-busbars (silver or copper clad silver), blue transparent conductive film (TCO)

*The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the ongoing innovation and product enhancement. Golden Solar reserves the right to make necessary adjustments to the information described herein at any time without further notice.