



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

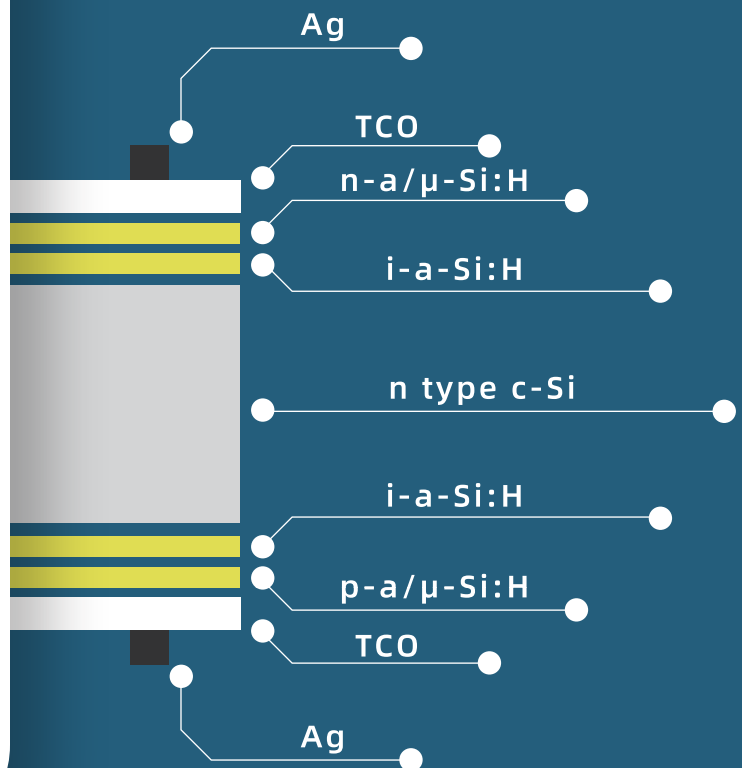
By using 210 mm N-type silicon wafer, the highest power of HJT cells can be up to 5.84 W, and its efficiency can be up to 26.5%.

✓ Higher Efficiency at High Temperature

The lowest temperature coefficient can be up to -0.242%/K. 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.

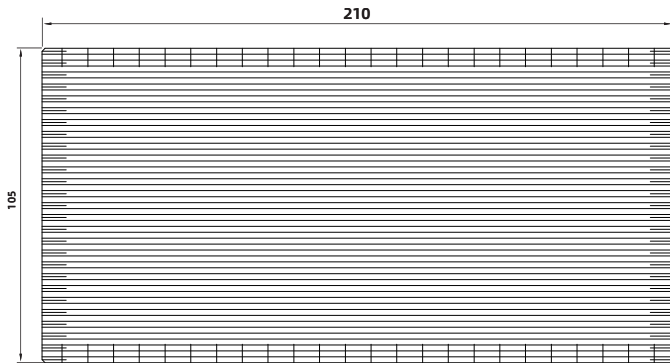


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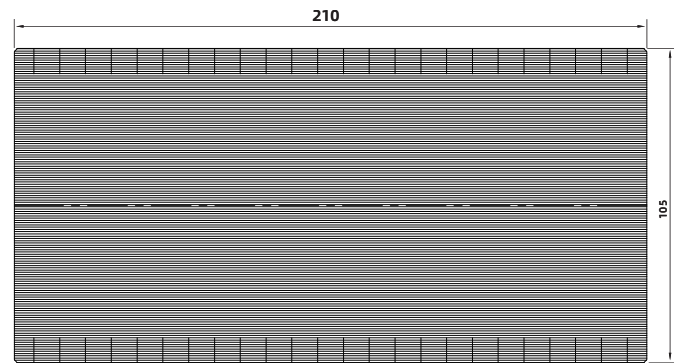


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The Cell's Front



The Cell's Back



Electrical Performance Parameters

Efficiency Range	Eff (%)	Pmpp (W)	Vmpp (V)	Ippp (A)	Voc (V)	Isc (A)	FF (%)
JG-210M-2650	26.50	5.84	0.689	8.388	0.756	8.853	87.51
JG-210M-2640	26.40	5.82	0.688	8.387	0.755	8.388	87.50
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

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

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

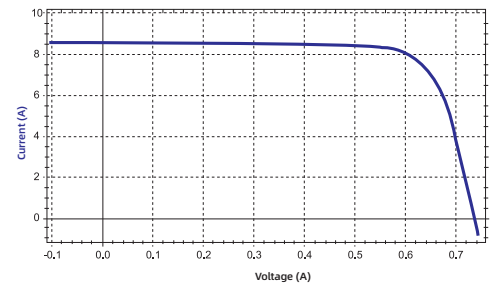
Temperature Coefficient

Voc	-0.243 %/K
Isc	+0.033 %/K
Pmax	-0.242 %/K

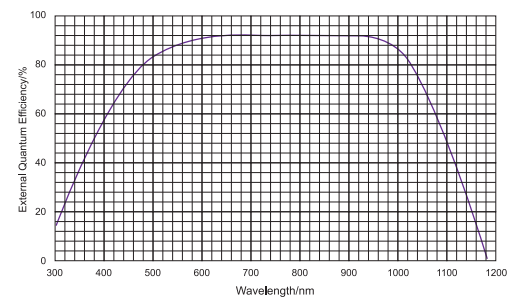
Mechanical data and Design

Dimension	210mm×105mm±0.25mm
Thickness	110±10μm
Front (-)	54 sub-busbars (silver or copper clad silver), blue transparent conductive film (TCO)
Back (+)	140 sub-busbars (silver or copper clad silver), blue transparent conductive film (TCO)

I-V Curve (25%)



Spectral Response



Janergy GmbH / Golden Solar Europe

www.janergy.de

+49 2224 919 90 98

info@janergy.de

*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.