JW-HD120N Series

N-type High Efficiency Monocrystalline Silicon Bifacial Half-cell Double Glass Module

- JW-HD120N-310
- JW-HD120N-315
- JW-HD120N-320
- JW-HD120N-325
- JW-HD120N-330

Half-cell Double Glass Design
High-efficient and high-voltage tech for less current loss

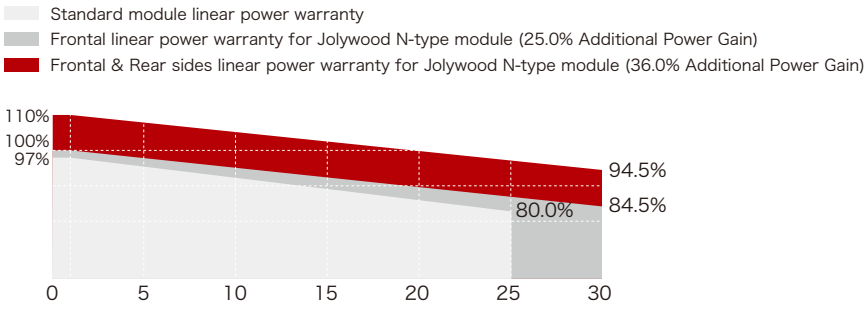
Additional Power Generation Gain
30-year linear performance warranty, more than 30% additional power gain

ZERO LID (Light Induced Degradation)
No LID, more power generation

ZERO PID (Potential Induced Degradation)
Bifacial double glass design, PID free

Better Weak Illumination Response
Higher power output, even under low-light settings

Wider Application
No water-permeability and high wear-resistance, can be widely used in high-humid, windy and dusty area



JOLYWOOD SOLAR TECHNOLOGY

Established in 2016, Jolywood Solar is a wholly-owned subsidiary of Jolywood Group.We are dedicated in supplying high-efficient N-Bifacial solar products.With our solid foundation and rich R&D strength, our products are characterized of high conversion efficiency, Zero LID, and great weak-illumination response.

JW-HD120N Series

N-type High Efficiency Monocrystalline Silicon
Bifacial Half-cell Double Glass Module

ELECTRICAL PROPERTIES * >

Peak Power(Pmax) (W)	310	315	320	325	330
MPP Voltage(Vmp) (V)	62.2	62.4	62.6	63.0	63.2
MPP Current(Imp) (A)	5.0	5.06	5.12	5.17	5.23
Open Circuit Voltage(Voc) (V)	76.0	76.4	76.8	77.4	77.7
Short Circuit Current(Isc) (A)	5.3	5.34	5.38	5.42	5.46
Module Efficiency (%)	18.83%	19.13%	19.43%	19.74%	20.04%
Operating Temperature(℃)	-40℃~+85℃				
Maximum System Voltage(V)	1500(IEC)/1000V(UL)				
Maximum Series Fuse Rating(A)	15				
Fire Safety	Class B				
Power Tolerance	0~+5Wp				

* At technical data test condition: Irradiance (1.0+0.1 BiFi)1000W/ ㎡, Ambient Temperature 25℃, AM 1.5

ELECTRICAL PROPERTIES | NOCT * >

Peak Power(Pmax) (W)	231.8	235.3	238.8	242.7	246.3
MPP Voltage(Vmp) (V)	57.22	57.41	57.59	57.96	58.14
MPP Current(Imp) (A)	4.05	4.10	4.15	4.19	4.24
Open Circuit Voltage(Voc) (V)	70.83	71.20	71.58	72.14	72.42
Short Circuit Current(Isc) (A)	4.35	4.38	4.41	4.44	4.48

* NOCT (Nominal Operating Cell Temperature): Irradiance (1.0+0.1 BiFi) 800W/ ㎡,
Ambient Temperature 20℃, AM 1.5, Wind Speed 1m/s

TEMPERATURE COEFFICIENT >

Temp. Coeff. Of Pmax (TK Pmax)	-0.38%/℃
Temp. Coeff. Of Voc (TK Voc)	-0.3%/℃
Temp. Coeff. Of Isc (TK Isc)	+0.048%/℃
NOCT	45±2℃

MECHANICAL PROPERTIES >

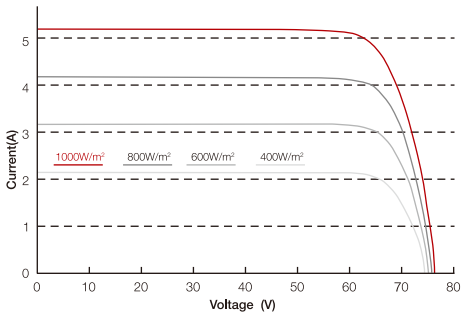
Cell Type	156.75mm*156.75mm
Number of Cells	120pcs(6*20)
Dimension	1660mm*992mm*6mm
Weight	18.2Kg
Front/Rear Glass	2.5mm/2.5mm
Frame	Frameless
Junction Box	IP67(3 diodes)
Cable Type	4.0mm², 300mm
Connector	MC4 Compatible

PACKING MANNER >

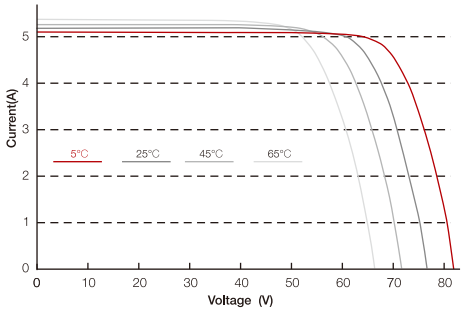
Packing Type	20'GP	40'GP	40'HQ
Piece/Pallet	26		
Pallet/Container	6	14	28
Piece/Container	156	364	728

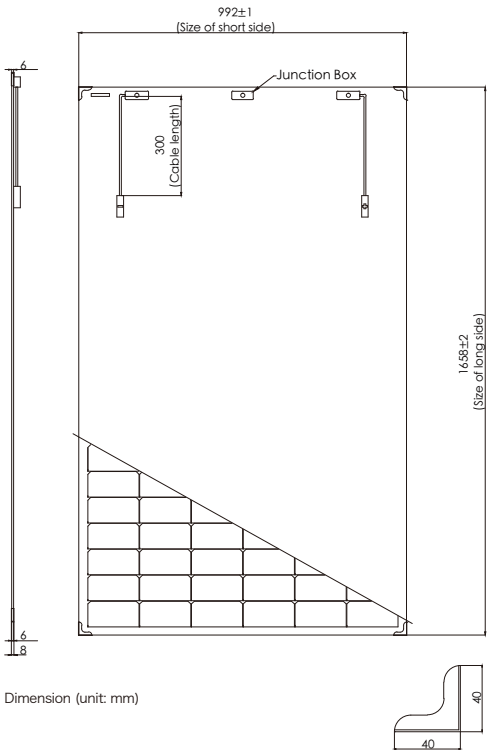
* The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Jolywood (Taizhou) Solar Technology Co., Ltd. Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the producctes described herein.

Current-Voltage Curve under different irradiance >



Current-Voltage Curve under different working temperatures >





Dimension (unit: mm)

JOLYWOOD SOLAR TECHNOLOGY

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