

JW-HT120N Series

N-type High Efficiency Monocrystalline Silicon
Bifacial Half-cell Transparent Module



- JW-HT120N-310
- JW-HT120N-315
- JW-HT120N-320
- JW-HT120N-325
- JW-HT120N-330



Half-cell Transparent Design

High-efficient and high-voltage tech for less current loss



Double-sided Power Generation

With the background reflection, the overall power generation can be increased by at least 15%



ZERO LID (Light Induced Degradation)

No LID, more power generation



Excellent Durability

Outstanding mechanical load resistance:
wind loads (2400Pa) & snow loads (5400Pa)



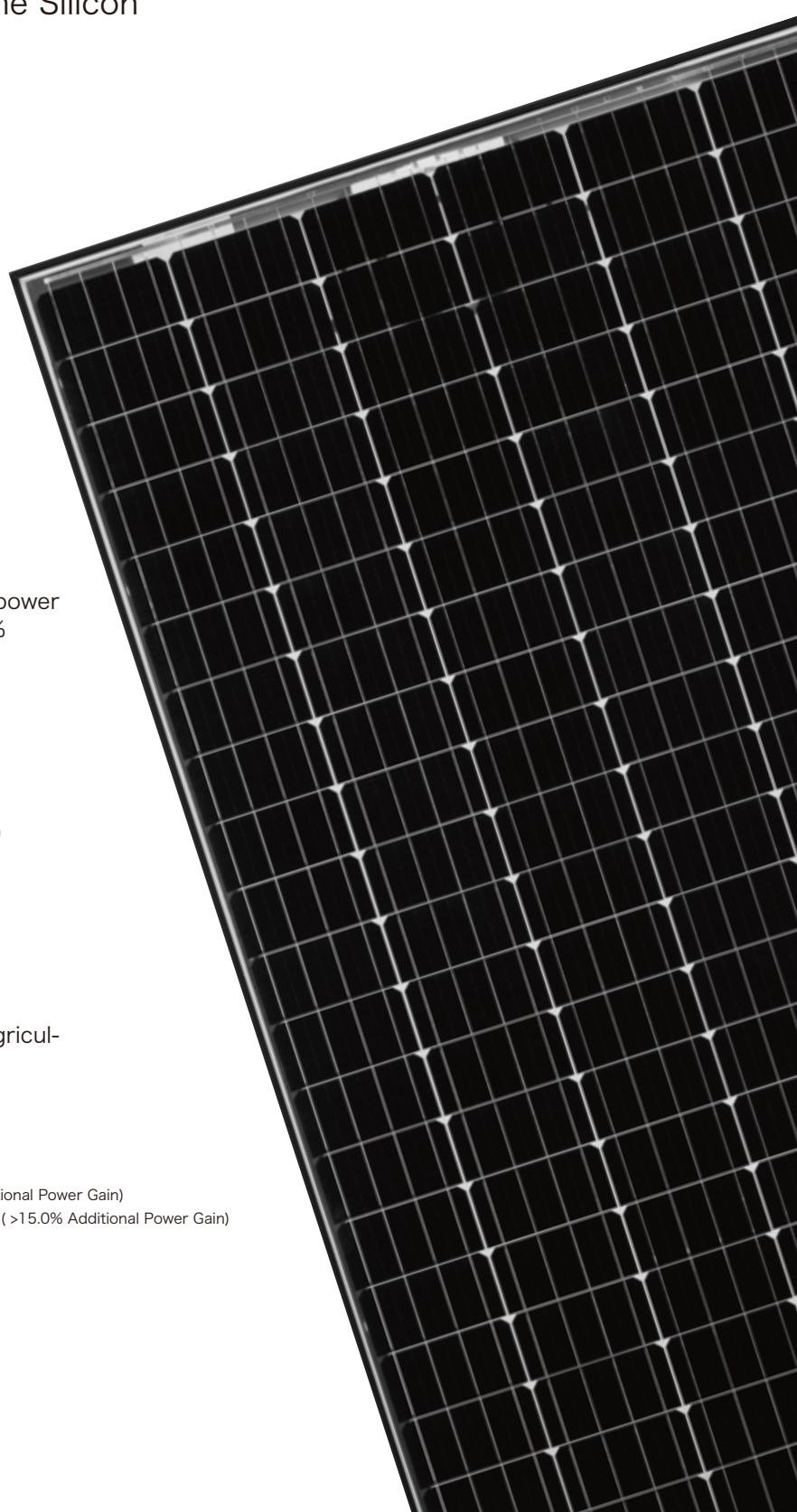
Better Weak Illumination Response

Higher power output, even under low-light settings

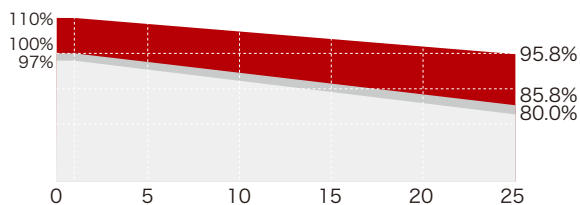


Stronger Environmental Adaptability

More potential applications, including eco-agriculture, eco-fishery, etc.



- Standard module linear power warranty
- Frontal linear power warranty for Jolywood N-type module (>5.0% Additional Power Gain)
- Frontal & Rear sides linear power warranty for Jolywood N-type module (>15.0% Additional Power Gain)



Distributor office: "Solar Systems" LLC, 17/52, Bohdana Khmelnytskogo Str., 4th floor, Kyiv 01030. **Tel:** (044) 3614914 **Email address:** install@solarsystems.pro

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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(°C)	-40°C~+85°C				
Maximum System Voltage(V)	1000(IEC)/600V(UL)				
Maximum Series Fuse Rating(A)	15				
Fire Safety	Class C				
Power Tolerance	0~+5Wp				

* At technical data test condition: Irradiance (1.0±0.1 Bif)1000W/ m², Ambient Temperature 25°C, AM 1.5

ELECTRICAL PROPERTIES | NOCT * >

Peak Power(Pmax) (W)	231.8	235.3	238.8	238	242.7
MPP Voltage(Vmp) (V)	57.22	57.41	57.59	28.9	57.96
MPP Current(Imp) (A)	4.05	4.10	4.15	8.25	4.19
Open Circuit Voltage(Voc) (V)	70.83	71.20	71.58	35.8	72.14
Short Circuit Current(Isc) (A)	4.35	4.38	4.41	8.68	4.44

* NOCT (Nominal Operating Cell Temperature): Irradiance (1.0±0.1 Bif) 800W/ m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

TEMPERATURE COEFFICIENT >

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

MECHANICAL PROPERTIES >

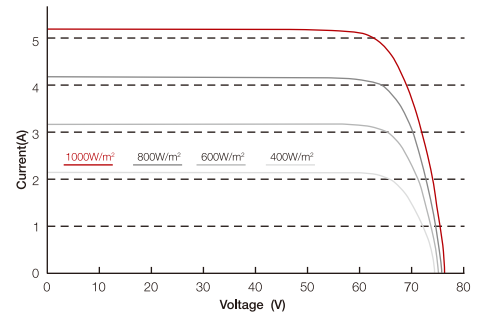
Cell Type	156.75mm*156.75mm
Number of Cells	120pcs(6*20)
Dimension	1660mm*992mm*40mm
Weight	18.2Kg
Front/Rear Glass	3.2mm/JW FFC Backsheet
Frame	Anodized Aluminum
Junction Box	IP67(3 diodes)
Cable Type	4.0mm ² , 900mm
Connector	MC4 Compatible

PACKING MANNER >

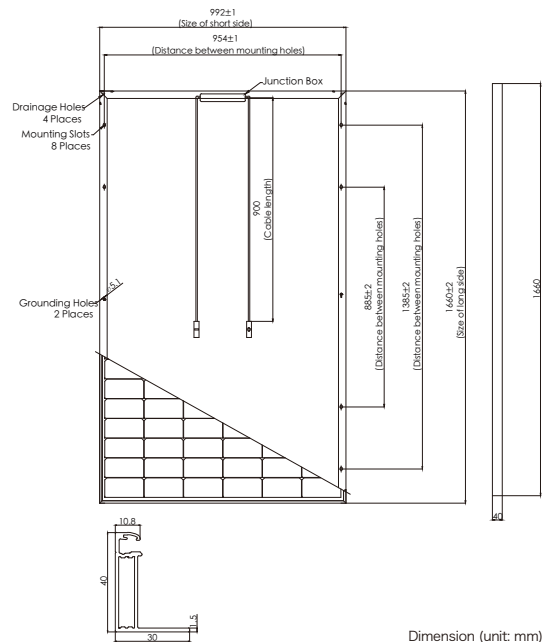
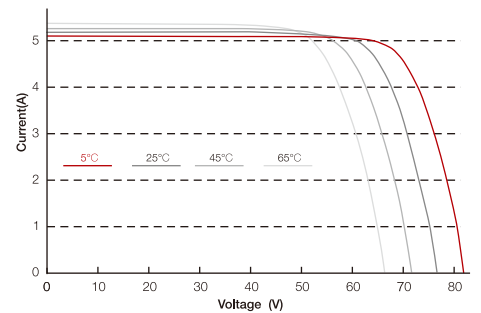
Packing Type	20'GP	40'GP	40'HQ
Piece/Pallet	26		
Pallet/Container	6	14	28
Piece/Container	156	364	728

* 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 products described herein.

Current-Voltage Curve under different irradiance >



Current-Voltage Curve under different working temperatures >



Dimension (unit: mm)

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