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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Jolywood (Suzhou) Sunwatt Co., Ltd.  
JW-D72N Series (Multi-Busbar)  
JW-D72N-350**

Also available on the web at  
[EnergyPal.com/jolywood-suzhou-sunwatt-co-ltd-solar-panels/jw-d72n-350](http://EnergyPal.com/jolywood-suzhou-sunwatt-co-ltd-solar-panels/jw-d72n-350)

# JW-D72N Series (Multi-Busbar)



350/355/360/365/370W

Jolywood N-type High Efficiency Monocrystalline Silicon Bifacial / White Glazed Double Glass Module



## 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



## PID Free (Potential Induced Degradation)

PID free, due to the POE material and double glass design



## Lower Micro-crack Risk

No internal stress from the symmetrical N-Bifacial cell scheme



## Higher Reliability

Successfully passed various strict tests

- 6 Salt Mist Corrosion Test
- Triple IEC Test
- 6-time PID Test
- Class A Fire Rating



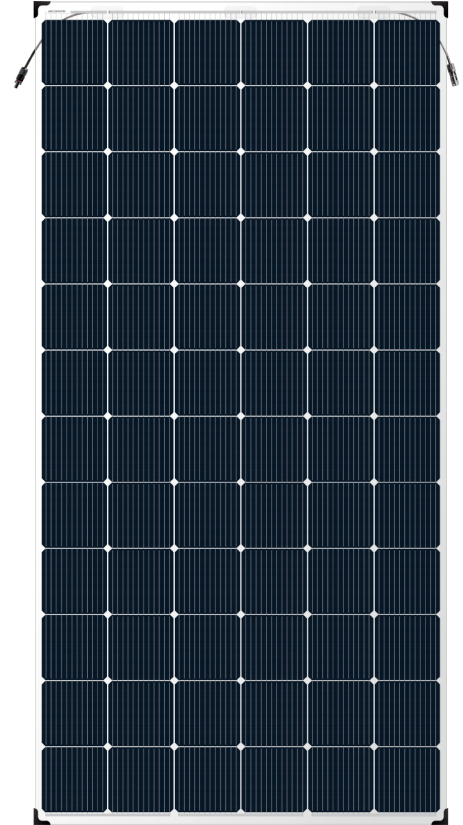
## Better Weak Illumination Response

Lower temperature coefficient and wide spectral response, higher power output, even under low-light settings

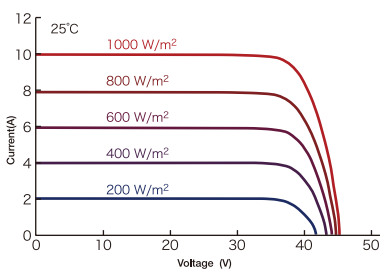


## Special Application

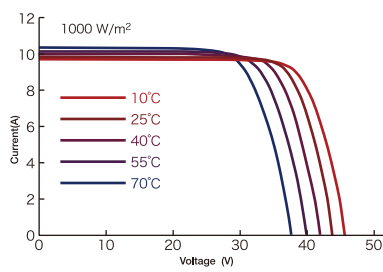
- BIPV
- Vertical Installation
- Snowfield
- High-humid Area
- Windy and dusty area



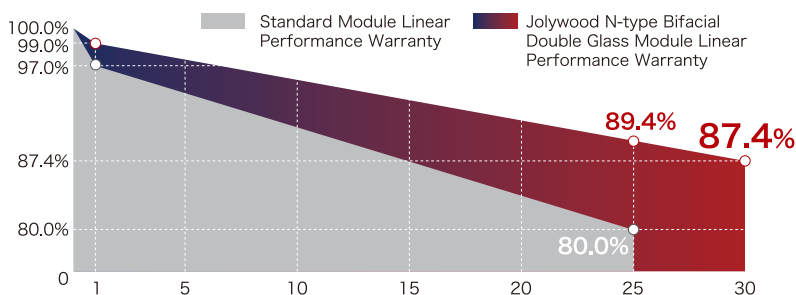
Irradiance Dependence of Isc, Voc and Pmax



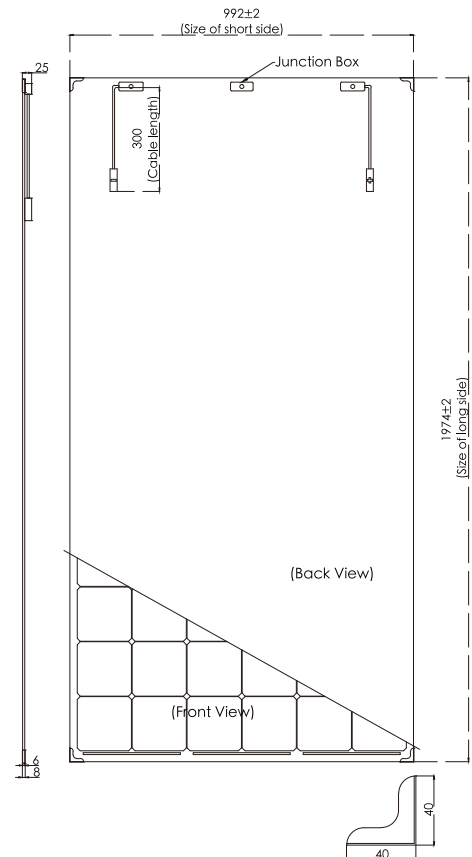
Temperature Dependence of Isc, Voc and Pmax



**-1.00%** 1st-year Degradation | **15** Years Product Material & Workmanship  
**-0.40%** Annual Degradation | **30** Years Linear Performance Warranty



## ENGINEERING DRAWING (unit: mm)



# JW-D72N Series (Multi-Busbar)

Jolywood N-type High Efficiency Monocrystalline Silicon Bifacial / White Glazed Double Glass Module



## ELECTRICAL PROPERTIES | STC\*

Module Type	JW-D72N-350		JW-D72N-355		JW-D72N-360		JW-D72N-365		JW-D72N-370	
	Front Side	Rear Side	Front Side	Rear Side	Front Side	Rear Side	Front Side	Rear Side	Front Side	Rear Side
Testing Condition	Front Side	Rear Side	Front Side	Rear Side	Front Side	Rear Side	Front Side	Rear Side	Front Side	Rear Side
Peak Power (Pmax) (W)	350	298	355	302	360	306	365	310	370	315
MPP Voltage (Vmp) (V)	37.8	37.6	37.9	37.7	38.1	37.9	38.2	38.0	38.4	38.2
MPP Current (Imp) (A)	9.28	7.92	9.38	8.00	9.47	8.08	9.56	8.15	9.66	8.24
Open Circuit Voltage (Voc) (V)	44.4	44.0	44.5	44.1	44.7	44.3	44.8	44.4	45.0	44.6
Short Circuit Current (Isc) (A)	9.87	8.45	9.96	8.53	10.05	8.60	10.14	8.68	10.23	8.76
Module Efficiency (%)	17.9%	15.2%	18.1%	15.4%	18.4%	15.6%	18.6%	15.8%	18.9%	16.1%

\*STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM 1.5  
\*The data above is for reference only and the actual data is in accordance with the practical testing

## ELECTRICAL PROPERTIES | NOCT\*

Testing Condition	Front Side	Rear Side	Front Side	Rear Side	Front Side	Rear Side	Front Side	Rear Side	Front Side	Rear Side
Peak Power (Pmax) (W)	257	219	261	222	265	225	268	228	272	231
MPP Voltage (Vmp) (V)	34.7	34.5	34.8	34.6	34.9	34.8	35.1	35.0	35.2	35.1
MPP Current (Imp) (A)	7.42	6.33	7.50	6.40	7.58	6.46	7.65	6.52	7.73	6.59
Open Circuit Voltage (Voc) (V)	41.1	40.7	41.2	40.8	41.3	41.0	41.4	41.1	41.6	41.3
Short Circuit Current (Isc) (A)	7.96	6.81	8.03	6.87	8.10	6.93	8.17	7.00	8.25	7.06

\*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s  
\*The data above is for reference only and the actual data is in accordance with the practical testing

## With Different Power Generation Gain (regarding 360W as an example)

Power Gain	Peak Power (Pmax)	MPP Voltage (Vmp)	MPP Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
10%	391	38.1	10.26	44.7	10.90
15%	406	38.1	10.66	44.7	11.33
20%	421	38.1	11.05	44.8	11.72
25%	437	38.2	11.44	44.8	12.14
30%	452	38.2	11.83	44.8	12.55

## OPERATING PROPERTIES

Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage (V)	1500V(IEC)/1000V(UL)
Maximum Series Fuse Rating (A)	15
Fire Safety	Class A
Power Tolerance	0~+5Wp

## 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	42±2°C

## MECHANICAL PROPERTIES

Cell Type	156.75mm*156.75mm
Number of Cells	72pcs (6*12)
Dimension	1974mm*992mm*6mm / 1978mm*996mm*6mm ( C Type Edge )
Weight	27Kg
Front/Rear Glass	2.5mm/2.5mm
Frame	Frameless
Junction Box	IP67 (3 diodes)
Length of Cable	4.0mm <sup>2</sup> ,300mm
Connector	MC4 Compatible

## PACKING MANNER

Packing Type	20'GP	40'GP	40'HQ
Piece/Pallet		30	
Pallet/Container	5	11	22
Piece/Container	150	330	660



\*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.

JOLYWOOD (TAIZHOU) SOLAR TECHNOLOGY CO.,LTD.  
Add.: No.6 Kaiyang Rd., Jiangan Economic Development Zone,  
Taizhou, Jiangsu Province, China, 225500  
Tel.: +86 523 80612195 mkt@jolywood.cn