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# **EnergyPal**

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

**Jolywood (Suzhou) Sunwatt Co., Ltd.  
JW-T72N Series  
JW-T72N-365**

Also available on the web at  
[EnergyPal.com/jolywood-suzhou-sunwatt-co-ltd-solar-panels/jw-t72n-365](http://EnergyPal.com/jolywood-suzhou-sunwatt-co-ltd-solar-panels/jw-t72n-365)

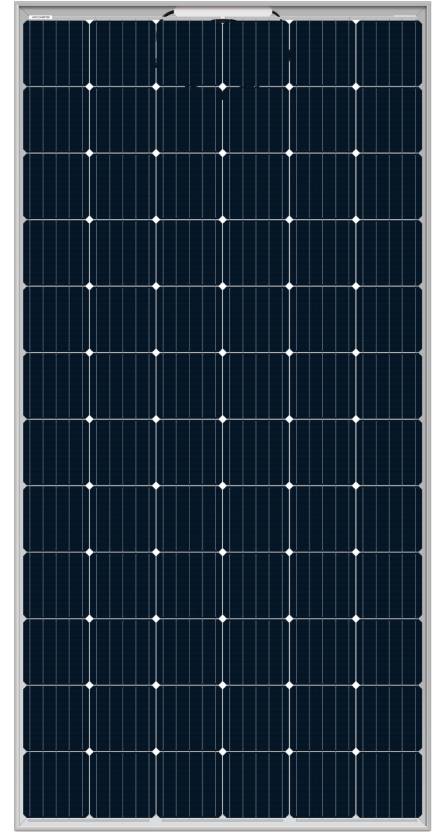
# JW-T72N Series

345/350/355/360/365W

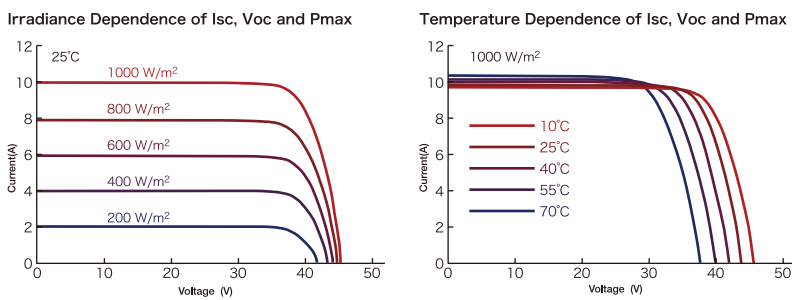
Jolywood N-type High Efficiency Monocrystalline Silicon Bifacial Transparent Module



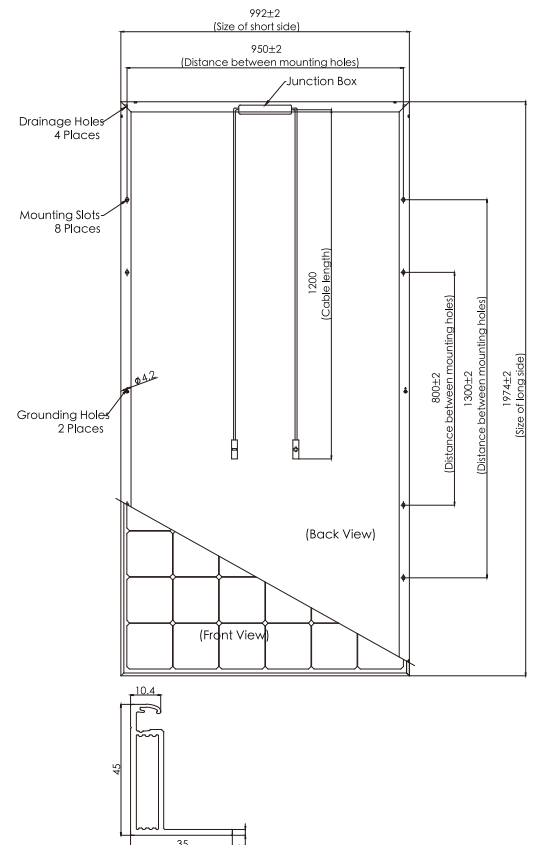
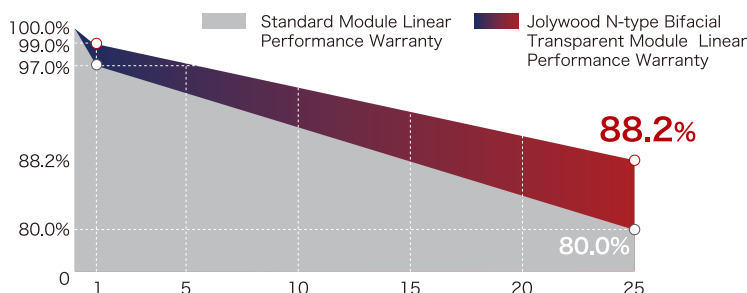
- Double-sided Power Generation**  
 With the background reflection, the overall power generation can be increased by at least 15%
- ZERO LID (Light Induced Degradation)**  
 No LID, more power generation
- Excellent Durability**  
 Outstanding mechanical load resistance: wind loads (2400Pa) & snow loads (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.



## ENGINEERING DRAWING (unit: mm)



**-1.00%** 1st-year Degradation | **12** Years Product Material & Workmanship  
**-0.45%** Annual Degradation | **25** Years Linear Performance Warranty



## 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										
Peak Power (Pmax) (W)	345	293	350	298	355	302	360	306	365	310
MPP Voltage (Vmp) (V)	37.6	37.4	37.8	37.6	37.9	37.7	38.1	37.9	38.2	38.0
MPP Current (Imp) (A)	9.18	7.83	9.28	7.92	9.38	8.00	9.47	8.08	9.56	8.15
Open Circuit Voltage (Voc) (V)	44.2	43.8	44.4	44.0	44.5	44.1	44.7	44.3	44.8	44.4
Short Circuit Current (Isc) (A)	9.78	8.37	9.87	8.45	9.96	8.53	10.05	8.60	10.14	8.68
Module Efficiency (%)	17.6%	15.0%	17.9%	15.2%	18.1%	15.4%	18.4%	15.6%	18.6%	15.8%

\*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)	254	216	257	219	261	222	265	225	268	228
MPP Voltage (Vmp) (V)	34.5	34.4	34.7	34.5	34.8	34.6	34.9	34.8	35.1	35.0
MPP Current (Imp) (A)	7.34	6.26	7.42	6.33	7.50	6.40	7.58	6.46	7.65	6.52
Open Circuit Voltage (Voc) (V)	40.9	40.6	41.1	40.7	41.2	40.8	41.3	41.0	41.4	41.1
Short Circuit Current (Isc) (A)	7.88	6.75	7.96	6.81	8.03	6.87	8.10	6.93	8.17	7.00

\*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 345W as an example)

Power Gain	Peak Power (Pmax)	MPP Voltage (Vmp)	MPP Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
10%	374	37.6	9.96	44.2	10.61
15%	389	37.6	10.35	44.2	11.03
20%	404	37.6	10.74	44.3	11.40
25%	418	37.7	11.08	44.3	11.81
30%	433	37.8	11.47	44.3	12.22

## OPERATING PROPERTIES

Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage (V)	1000V(IEC)
Maximum Series Fuse Rating (A)	15
Fire Safety	Class B
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	43±2°C

## MECHANICAL PROPERTIES

Cell Type	156.75mm*156.75mm
Number of Cells	72pcs (6*12)
Dimension	1974mm*992mm*45mm
Weight	24.5Kg
Front/Rear Glass	3.2mm
Frame	Frame
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	115	253	506



\*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.

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