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Solar Panel Guide
Specification Data Sheet

Jolywood (Suzhou) Sunwatt Co., Ltd.
JW-ID76N Series
JW-ID76N-380

JW-ID76N Series

380/385/390/395/400W

Jolywood N-type High Efficiency Monocrystalline Silicon Bifacial Double Glass Shingle 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

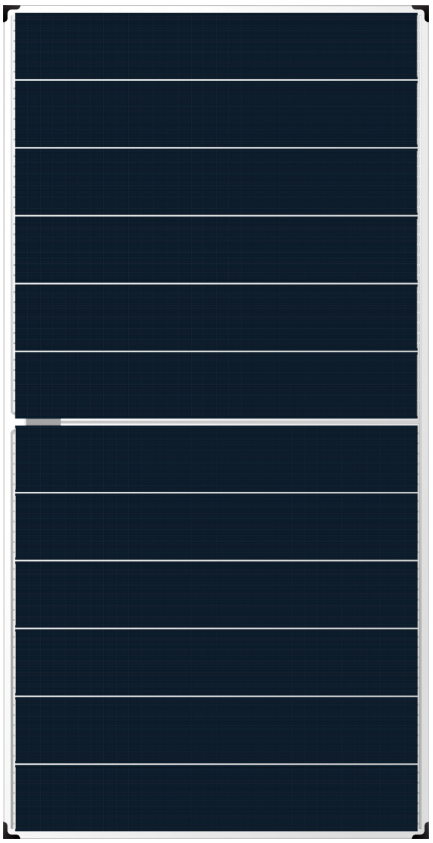
- 6 Salt Mist Corrosion Test
- Triple IEC Test
- 6-time PID Test
- Class A Fire Rating

Better Weak Illumination Response

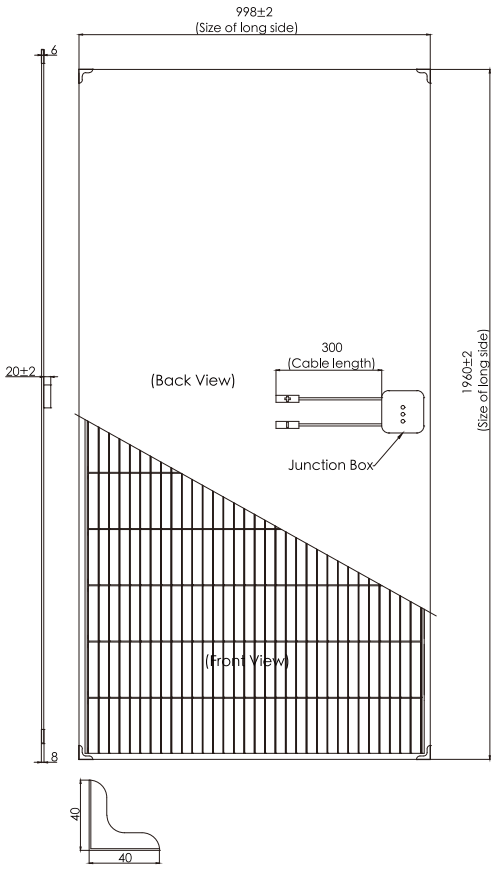
Lower temperature coefficient and wide spectral response, higher power output, even under low-light settings

Special Application

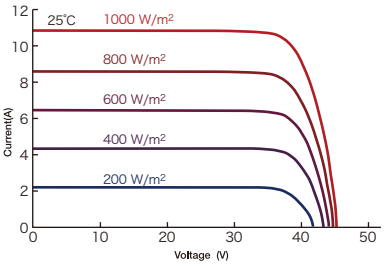
- BIPV
- Vertical Installation
- Snowfield
- High-humid Area
- Windy and dusty area



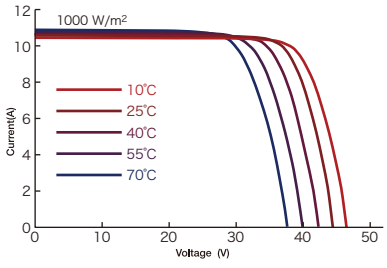
ENGINEERING DRAWING (unit: mm)



Irradiance Dependence of Isc, Voc and Pmax

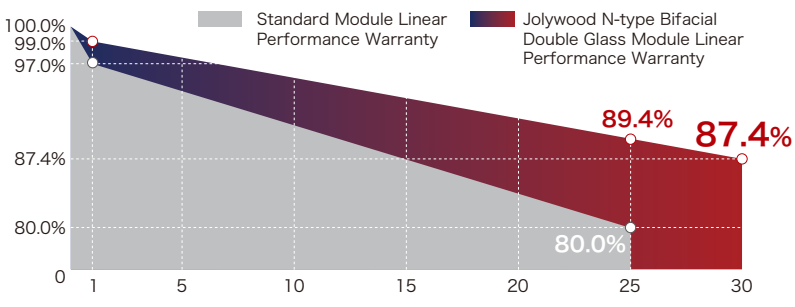


Temperature Dependence of Isc, Voc and Pmax



-1.00% 1st-year Degradation | **15** Years Product Material & Workmanship

-0.40% Annual Degradation | **30** Years Linear Performance Warranty



JW-ID60N Series

Jolywood N-type High Efficiency
Monocrystalline Silicon Bifacial Double Glass Shingle Module

中来股份 JOLYWOOD

ELECTRICAL PROPERTIES | STC*

Module Type	JW-ID76N-380		JW-ID76N-385		JW-ID76N-390		JW-ID76N-395		JW-ID76N-400	
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)	380	323	385	327	390	332	395	336	400	340
MPP Voltage (Vmp) (V)	34.2	34.1	34.5	34.2	34.7	34.4	34.9	34.6	35.1	34.8
MPP Current (Imp) (A)	11.10	9.47	11.20	9.56	11.29	9.63	11.37	9.70	11.47	9.78
Open Circuit Voltage (Voc) (V)	41.6	41.3	41.8	41.5	42.0	41.7	42.2	41.9	42.5	42.1
Short Circuit Current (Isc) (A)	11.69	10.00	11.78	10.09	11.88	10.17	11.98	10.25	12.12	10.37
Module Efficiency (%)	19.4%	16.5%	19.7%	16.7%	19.9%	17.0%	20.2%	17.2%	20.4%	17.4%

*STC (Standard Test Condition): Irradiance 1000W/㎡, Module Temperature 25℃, AM 1.5
*The data above is for reference only and the actual data is in accordance with the pratical testing

ELECTRICAL PROPETIES | 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)	279	237	283	241	287	244	290	247	294	250
MPP Voltage (Vmp) (V)	31.4	31.3	31.6	31.5	31.7	31.6	31.9	31.8	32.0	31.9
MPP Current (Imp) (A)	8.88	7.58	8.96	7.65	9.03	7.70	9.10	7.76	9.18	7.83
Open Circuit Voltage (Voc) (V)	38.5	38.2	38.7	38.4	38.9	38.6	39.1	38.8	39.3	39.0
Short Circuit Current (Isc) (A)	9.42	8.06	9.5	8.13	9.58	8.20	9.65	8.26	9.77	8.36

*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/㎡, Ambient Temperature 20℃, AM 1.5, Wind Speed 1m/s
*The data above is for reference only and the actual data is in accordance with the pratical testing

With Different Power Generation Gain (regarding 310W as an example)

Power Gain	Peak Power (Pmax)	MPP Voltage (Vmp)	MPP Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
10%	423	34.6	12.25	42.0	12.89
15%	440	34.6	12.73	42.0	13.39
20%	456	34.6	13.21	42.1	13.85
25%	473	34.7	13.63	42.1	14.35
30%	489	34.7	14.10	42.1	14.84

OPERATING PROPERTIES

Operating Temperature (℃)	-40℃~+85℃
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%/℃
Temp. Coeff. Of Voc (TK Voc)	-0.3%/℃
Temp. Coeff. Of Isc (TK Isc)	+0.048%/℃
NOCT	42±2℃

MECHANICAL PROPERTIES

Cell Type	156.75mm*156.75mm
Number of Cells	76.8pcs (6*12)
Dimension	1960mm*998mm*6mm / 1964mm*1002mm*6mm(C Type Edge)
Weight	27Kg
Front/Rear Glass	2.5mm/2.5mm
Frame	Frameless
Junction Box	IP67 (2 diodes)
Length of Cable	4.0mm² ,300mm
Connector	MC4 Compatible

PACKING MANNER

Packing Type	20'GP	40'GP	40'HQ
Piece/Pallet	33		
Pallet/Container	6	13	26
Piece/Container	198	429	858

*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 produccts described herein.

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