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Solar Panel Guide Specification Data Sheet

**Jolywood (Suzhou) Sunwatt Co., Ltd.
JW-I60N Series
JW-I60N-320**

Also available on the web at
EnergyPal.com/jolywood-suzhou-sunwatt-co-ltd-solar-panels/jw-i60n-320

JW-I60N Series

320/325/330/335/340W

Jolywood N-type High Efficiency Monocrystalline Silicon IBC Module



Floating Busbar Design

Floating busbar design for each electrode to reduce the electrical shading effect, generate more energy



ZERO LID (Light Induced Degradation)

No LID, more power generation



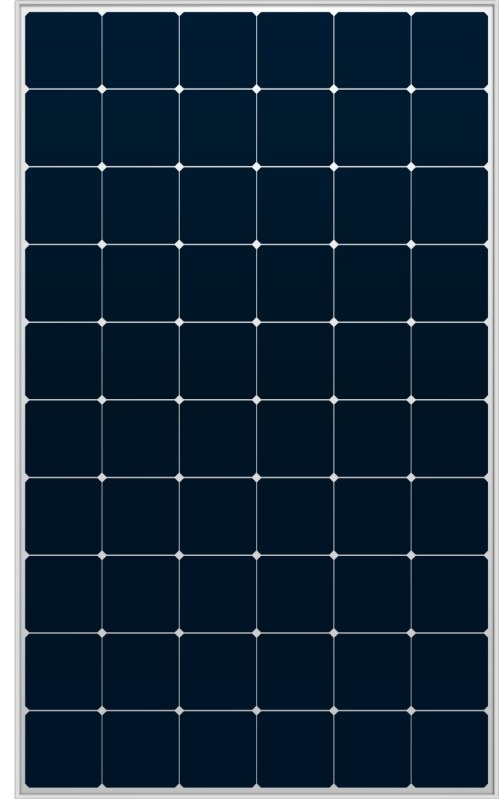
Better Weak Illumination Response

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



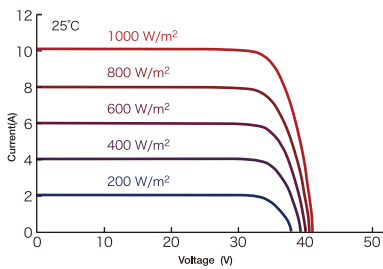
Low Temperature Coefficient

More power generation

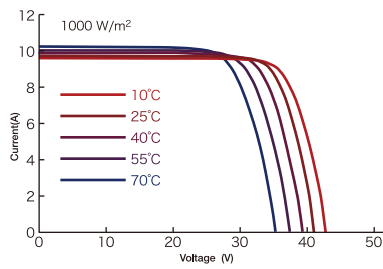


ENGINEERING DRAWING (unit: mm)

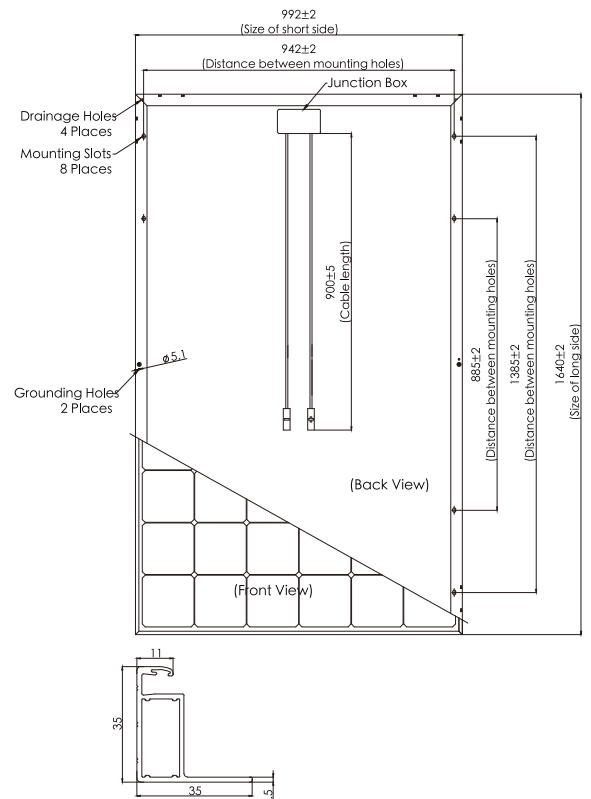
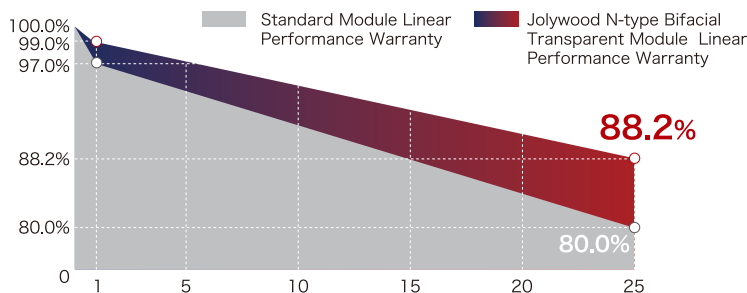
Irradiance Dependence of Isc, Voc and Pmax



Temperature Dependence of Isc, Voc and Pmax



-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-I60N-320	JW-I60N-325	JW-I60N-330	JW-I60N-335	JW-I60N-340
Testing Condition	320	325	330	335	340
Peak Power (Pmax) (W)	33.1	33.3	33.5	33.6	33.8
MPP Voltage (Vmp) (V)	9.69	9.79	9.89	9.99	10.09
MPP Current (Imp) (A)	40.0	40.2	40.4	40.6	40.8
Open Circuit Voltage (Voc) (V)	10.20	10.21	10.30	10.38	10.46
Short Circuit Current (Isc) (A)	19.7%	20.0%	20.3%	20.6%	20.9%

*STC (Standard Test Condition): Irradiance 1000W/m², 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	235	239	243	246	250
Peak Power (Pmax) (W)	30.3	30.5	30.7	30.8	31.0
MPP Voltage (Vmp) (V)	7.75	7.83	7.91	7.99	8.07
MPP Current (Imp) (A)	37.0	37.2	37.4	37.6	37.7
Open Circuit Voltage (Voc) (V)	8.22	8.23	8.30	8.37	8.43

*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², 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.

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

MECHANICAL PROPERTIES

Cell Type	156.75mm*156.75mm
Number of Cells	60pcs (6*10)
Dimension	1640mm*992mm*35mm
Weight	18.5Kg
Front/Rear Glass	3.2mm
Frame	Frame
Junction Box	IP67 (3 diodes)
Length of Cable	4.0mm ² ,300mm
Connector	MC4 Compatible

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

PACKING MANNER

Packing Type	20'GP	40'GP	40'HQ
Piece/Pallet	30		
Pallet/Container	6	14	28
Piece/Container	180	420	840



*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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