

JW-HT108N

N-type Single Glass Mono Module

415-440W

J-TOPCon 2.0 Technology



440W Maximum Power Output	22.53% Maximum Module Efficiency	0~+5W Power Output Tolerance
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IEC61215(2021), IEC61730(2016) | ISO9001:2015: Quality Management System | ISO14001:2015: Environment Management System
ISO45001:2018: Occupational health and safety management systems | IEC62941: 2019: Quality system for PV module manufacturing



High Power Output

SMBB technology reduces the distance between busbars and finger grid lines, improving reliability and increasing output



ZERO LID (Light Induced Degradation)

N-type solar cell has no LID naturally which can increase power generation



Higher Reliability

Adpoted Jolywood lastest J-TOPCon2.0 technology, No polysilicon wrap around, Full electrical isolation, Zero leakage current; Much Safer for roof



Better Weak Illumination Response

Higher power output even under low-light environments like on cloudy or foggy days



Better Temperature Coefficient

Higher power generation under working conditions, thanks to passivating contact cell technology



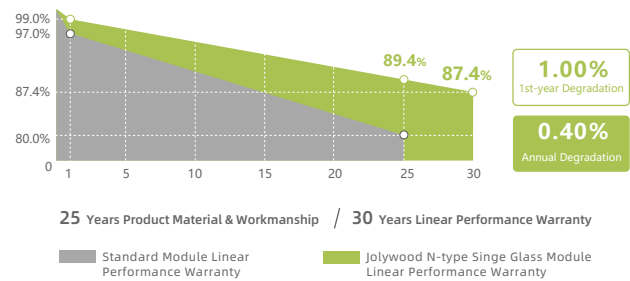
Lighter Module Weight

Reduces weight by more than 20% compared to bifacial double glass module

Jolywood Delivers Reliable Performance Over Time

- Leader of N-type bifacial manufacturer
- Full-automatic facility and industry-leading technology
- Best-in-class durability and reliability
- BNEF Tier One

Linear Performance Warranty



*Subject to the terms and conditions contained in the applicable Jolywood Solar Limited Warranty Statement. Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in certain regions.

Electrical Properties | STC*

Testing Condition	Front Side	Front Side	Front Side	Front Side	Front Side	Front Side
Peak Power (Pmax) (W)	415	420	425	430	435	440
MPP Voltage (Vmp) (V)	31.7	31.9	32.1	32.3	32.5	32.7
MPP Current (Imp) (A)	13.10	13.17	13.24	13.32	13.39	13.46
Open Circuit Voltage (Voc) (V)	37.7	37.9	38.1	38.3	38.4	38.6
Short Circuit Current (Isc) (A)	13.91	13.98	14.05	14.12	14.18	14.25
Module Efficiency (%)	21.25	21.51	21.76	22.02	22.27	22.53

*STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM1.5
The data above is for reference only and the actual data is in accordance with the practical testing Power Measurement Tolerance ±3%

Electrical Properties | NOCT*

Testing Condition	Front Side	Front Side	Front Side	Front Side	Front Side	Front Side
Peak Power (Pmax) (W)	315	318	322	326	330	334
MPP Voltage (Vmp) (V)	29.8	30.0	30.2	30.3	30.5	30.7
MPP Current (Imp) (A)	10.56	10.62	10.67	10.74	10.82	10.88
Open Circuit Voltage (Voc) (V)	36.0	36.2	36.4	36.6	36.8	37.0
Short Circuit Current (Isc) (A)	11.22	11.27	11.33	11.38	11.44	11.49

*NOCT: Irradiance 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s

Operating Properties

Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage (V)	1500V DC (IEC)
Maximum Series Fuse Rating (A)	30
Power Tolerance	0~+5W
Front Static Load	Snow load 5400Pa, Wind load 2400Pa

Temperature Coefficient

Temperature Coefficient of Pmax*	-0.300%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.045%/°C
Nominal Operating Cell Temperature (NOCT)	42±2°C

*Temperature Coefficient of Pmax±0.03%/°C

Mechanical Properties

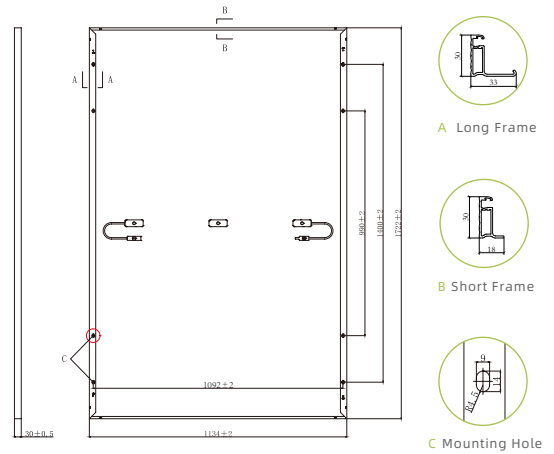
Cell Size	182.00mm*91.00mm
Number of Cells	108pcs(12*9)
Module Dimension	1722mm*1134mm*30mm
Weight	21.5kg
Front Glass*	3.2mm
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Length of Cable	4.0mm ² , +300mm/-180mm (Cable length can be customized)

*Fully strengthened glass

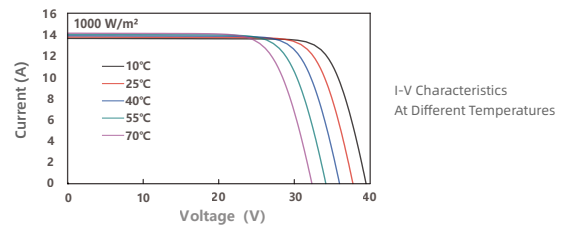
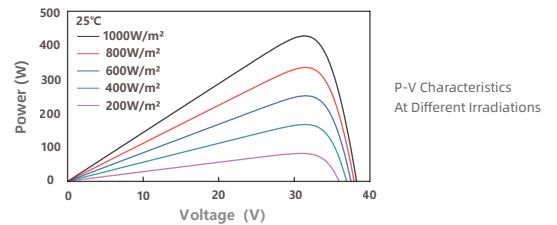
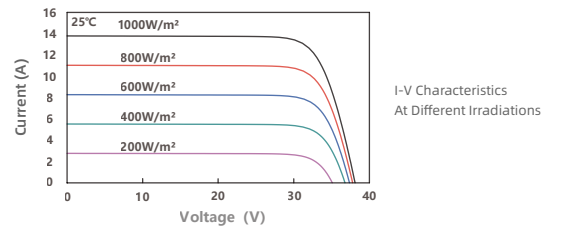
Partner Section

NOTE :

Engineering Drawing (unit: mm)



Characteristic Curves | HT108N-420



Packaging Configuration

Packing Type	20'GP	40'GP	40'HQ
Piece/Pallet		36	
Pallet/Container	6	13	26
Piece/Container	216	468	936

*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.

