JOLYWOOD

INVEREX GLOBAL®
DRIVEN BY NATURE, DESIGNED FOR TOMORROW

WINDPROOF Module

Redefining Reliability

JW-HT144N-R0

High Reliability

- Snowstorm Resistance
- Hail Resistance
- Hurricane Resistance
- Burst Resistance
- Lower Temperature Coefficient
- Lower Operating Temperature
- Lower Hot Spot Temperature

Higher Energy Yield

J-TOPCon New technology

Higher module efficiency, higher energy yield

Lower system BOS cost, lower LCOE, and higher ROI

Lower Carbon Emissions

Carbon emissions of modules are reduced by **10.19%**

Compared with traditional aluminum frames, carbon emissions of steel frames are reduced by **73.3%**

Munich RE

IEC 61215(2021)/IEC 61730(2023)/IEC 61701/IEC 62716

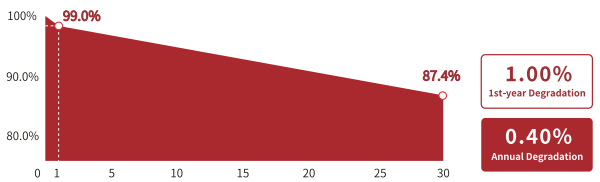
ISO 9001:2015: Quality Management System

ISO 14001:2015: Environment Management System

ISO 45001:2018: Occupational health and safety

IEC 62941:2019: Quality system for PV module manufacturing

Linear Performance Warranty



12 Years Product Material & Workmanship **30** Years Linear Performance Warranty

Add: No.6 Kaiyang Rd., Jiangyan Economic Development Zone, Taizhou, Jiangsu Province, China, 225500

TEL: +86 523 80612799

Email: info@jolywood.cn

www.jolywood.com

@Jolywood Solar

JW-HT144N | n-type Monofacial Single-Glass Windproof Module

Electrical Properties | STC*

Testing Condition	Front Side	Front Side	Front Side	Front Side	Front Side	Front Side
Peak Power (Pmax) (W)	585	590	595	600	605	610
MPP Voltage (Vmp) (V)	44.41	44.59	44.77	44.95	45.13	45.31
MPP Current (Imp) (A)	13.17	13.23	13.29	13.35	13.41	13.46
Open Circuit Voltage (Voc) (V)	51.77	51.97	52.17	52.37	52.57	52.77
Short Circuit Current (Isc) (A)	13.94	14.00	14.06	14.12	14.18	14.24
Module Efficiency (%)	22.7	22.8	23.0	23.2	23.4	23.6

*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 pratical testing
Power Measurement Tolerance ±3%

Electrical Properties | NMOT*

Testing Condition	Front Side	Front Side	Front Side	Front Side	Front Side	Front Side
Peak Power (Pmax) (W)	438	442	446	449	453	457
MPP Voltage (Vmp) (V)	42.52	42.69	42.87	43.04	43.21	43.38
MPP Current (Imp) (A)	10.30	10.35	10.40	10.44	10.49	10.53
Open Circuit Voltage (Voc) (V)	49.57	49.76	49.95	50.14	50.34	50.53
Short Circuit Current (Isc) (A)	11.26	11.30	11.35	11.40	11.45	11.50

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

Electrical Properties Under Different Rear Gain | JW-HT144N-R0-600S

Power Gain (%)	Peak Power (Pmax) (W)	MPP Voltage (Vmp) (V)	MPP Current (Imp) (A)	Open Circuit Voltage (Voc) (V)	Short Circuit Current (Isc) (A)
10	660.0	44.95	14.68	52.37	15.53
15	690.0	44.95	15.35	52.37	16.23
20	720.0	45.05	15.98	52.47	16.91
25	750.0	45.05	16.65	52.47	17.61
30	780.0	45.05	17.31	52.47	18.32

Operating Properties

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V (IEC)
Maximum Series Fuse Rating	30A
Bifaciality*	80%
Maximum Static Load*	Front side 6600Pa, Rear side 2400Pa

*Bifaciality=Pmaxrear (STC) /Pmaxfront (STC) , Bifaciality tolerance:±5%
*For detailed information, please refer to the Installation Manual

Temperature Coefficient

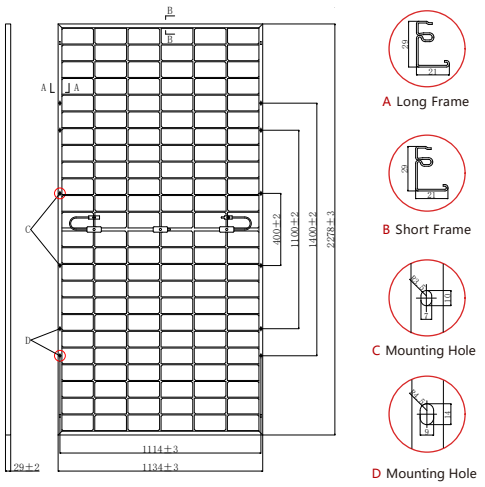
Temperature Coefficient of Pmax	-0.280%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.045%/°C
Nominal Operating Cell Temperature	45±2°C

Specification

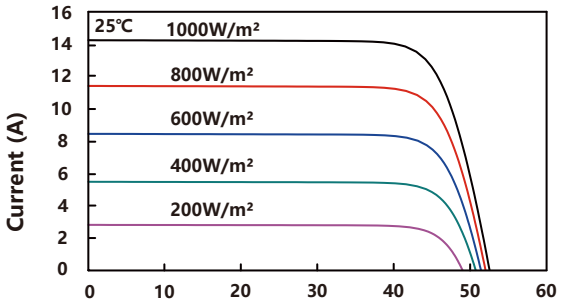
Number of Cells	144pcs
Module Dimension	2278mm*1134mm*29mm
Weight	27kg
Front Glass*	2.8mm Tempered glass
Frame	Aluminum-Magnesium-Zinc Coated Steel
Junction Box	IP68 (3 diodes)
Length of Cable	4.0mm², +300mm/-180mm (Cable length can be customized)
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container

*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.

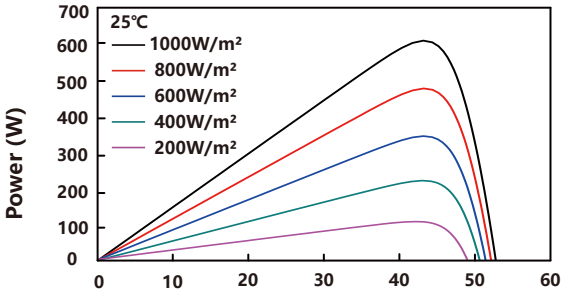
Engineering Drawing (unit: mm)



Characteristic Curves | JW-HT144N-R0-600S



I-V Characteristics At Different Irradiations



P-V Characteristics At Different Irradiations