

# JW Plus Series

## *n*-Type Bifacial Dual-Glass Mono Module

**JW-HD132N-R2 595-625W**

Maximum Power Output

**625W**

Maximum Module Efficiency

**23.1%**

Power Output Tolerance

**0~+3%**

***n*-TOPCon**



### Higher Customer Value

- Lower 1st-year and annual degradation
- Lower system BOS cost, higher power generation, lower LCOE, and higher ROI
- Dual-side power generation, with up to 30% increase in backside power generation in different installation environments, further reducing overall BOS and LCOE



### Higher Power Generation Gain

- Excellent IAM property and better weak illumination response
- Lower 1st-year degradation (1%) and annual degradation (0.4%)
- Lower temperature coefficient (-0.28%) and lower operating temperature, resulting in more power generation



### High Reliability

- Apply latest generation TOPCon technology with lower LID and LETID
- Apply innovative non-destructive cutting technology to reduce the risk of micro cracks
- Withstand harsh environmental conditions, such as salt mist, ammonia, PID, dust and sand, and high-temperature and high-humidity



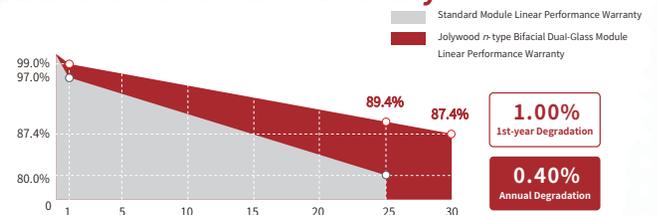
### High Safety

- Latest TOPCon technology with no polysilicon wrap around, zero leakage current and better resistance to hot-spot.
- Pass mechanical load test of 5400Pa on the front side and 2400Pa on the back side



IEC61215(2021)/IEC61730(2023)/IEC61701/IEC62716  
 ISO9001:2015: Quality Management System  
 ISO14001:2015: Environment Management System  
 ISO45001:2018: Occupational health and safety  
 IEC62941:2019: Quality system for PV module manufacturing

### Linear Performance Warranty



12 Years Product Material & Workmanship 30 Years Linear Performance Warranty

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# JW-HD132N | n-type Bifacial Dual-Glass Mono Module

## Electrical Properties | STC\*

Testing Condition	Front Side						
Peak Power (Pmax) (W)	595	600	605	610	615	620	625
MPP Voltage (Vmp) (V)	40.37	40.55	40.73	40.91	41.09	41.27	41.45
MPP Current (Imp) (A)	14.74	14.80	14.85	14.91	14.97	15.02	15.08
Open Circuit Voltage (Voc) (V)	47.06	47.26	47.46	47.66	47.86	48.06	48.26
Short Circuit Current (Isc) (A)	15.62	15.67	15.72	15.77	15.82	15.87	15.92
Module Efficiency (%)	22.0	22.2	22.4	22.6	22.8	23.0	23.1

\*STC: Irradiance 1000 W/m<sup>2</sup>, 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 | NMOT\*

Testing Condition	Front Side						
Peak Power (Pmax) (W)	446	449	453	457	461	464	468
MPP Voltage (Vmp) (V)	38.65	38.82	39.00	39.17	39.34	39.51	39.69
MPP Current (Imp) (A)	11.53	11.58	11.62	11.66	11.71	11.75	11.80
Open Circuit Voltage (Voc) (V)	45.06	45.25	45.44	45.63	45.82	46.01	46.20
Short Circuit Current (Isc) (A)	12.62	12.66	12.70	12.74	12.78	12.82	12.86

\*NMOT: Irradiance 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s

## Electrical Properties Under Different Rear Gain | HD132N-610

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	671.0	40.91	16.40	47.66	17.35
15	701.5	40.91	17.15	47.66	18.14
20	732.0	41.01	17.85	47.76	18.89
25	762.5	41.01	18.59	47.76	19.67
30	793.0	41.01	19.34	47.76	20.46

## Operating Properties

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V (IEC)
Maximum Series Fuse Rating	35A
Bifaciality*	80%
Static Load	Front side 5400Pa, Rear side 2400Pa

\*Bifaciality=Pmaxrear (STC) /Pmaxfront (STC) , Bifaciality tolerance:±5%

## Temperature Coefficient

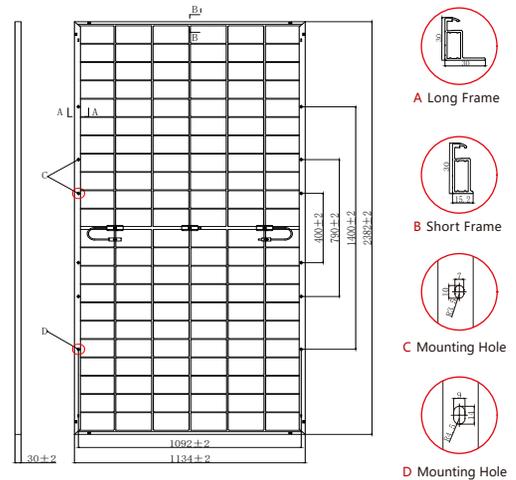
Temperature Coefficient of Pmax*	-0.280%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.045%/°C
Nominal Operating Cell Temperature (NOCT)	42±2°C

## Specification

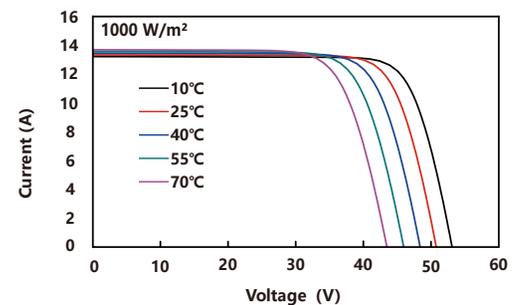
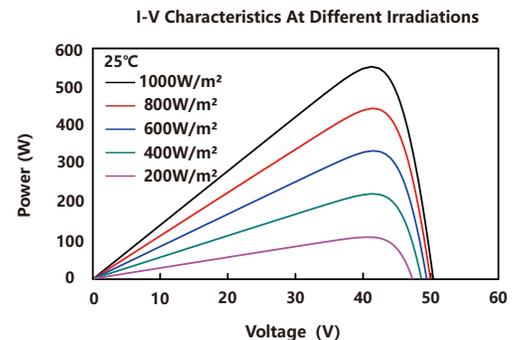
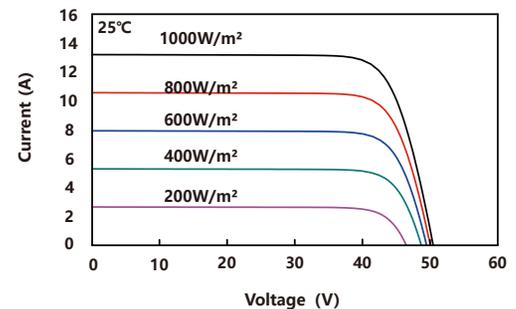
Number of Cells	132pcs
Module Dimension	2382mm*1134mm*30mm
Weight	33.3kg
Front / Rear Glass*	2.0mm*2.0mm Heated strengthened glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Length of Cable	4.0mm <sup>2</sup> , +300mm/-180mm (Cable length can be customized)
Packaging Configuration	36pcs/Pallet, 720/40HQ 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 | HD132N-610



I-V Characteristics At Different Temperatures



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