

JW-HD120N

N-type Bifaziales Monomodul

375-395W

J-TOPCon 2.0 Technologie



| | | |
|---|---|---------------------------------------|
| 395W Maximale Leistung Output | 21.65% Maximale Modul-effizienz | 0~+5W Power Output Toleranz |
|---|---|---------------------------------------|

IEC61215(2016), 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



10-30% zusätzliche Stromerzeugung

30 Jahre Lebensdauer bringen 10-30% zusätzliche Stromerzeugung im Vergleich zu herkömmlichen P-Typ-Modulen



NULL LID (Lichtinduzierte Verschlechterung)

N-Typ-Solarzellen haben von Natur aus kein LID, was die Stromerzeugung erhöhen kann



Höhere Verlässlichkeit

Neueste J-TOPCon2.0-Technologie von Jolywood, keine Umwicklung mit Polysilikon, vollständige elektrische Isolierung, kein Kriechstrom; viel sicherer für das Dach



Bessere Reaktion auf schwache Beleuchtung

Höhere Leistung auch bei schwacher Sonneneinstrahlung wie an bewölkten oder nebligen Tagen



Bessere Temperaturkoeffizienz

Höhere Stromerzeugung unter Arbeitsbedingungen dank der passivierenden Kontaktzellentechnologie



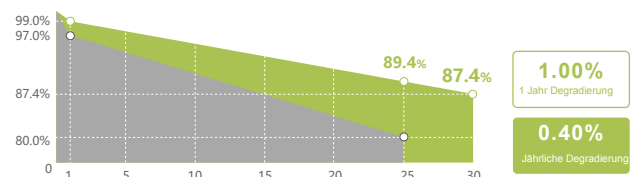
Breitere Anwendbarkeit

Mehr Anwendungsbereiche wie BIPV, vertikale Installation, Schneefelder, feuchte, windige und staubige Gebiete

Jolywood liefert zuverlässige Leistung über lange Zeit

- Führender Hersteller von bifazialen N-Typen
- Vollautomatische Anlage und branchenführende Technologie
- Erstklassige Haltbarkeit und Zuverlässigkeit
- BloombergNEF Tier-1 Solarmodule

Lineare Leistungsgarantie



25 Jahre Produktmaterial und Verarbeitung / 30 Jahre lineare Leistungsgarantie

Standardmodul Linear Leistungsgarantie | Jolywood N-Typ Bifacial Doppelglasmodul Linear Leistungsgarantie

*Vorbehaltlich der Bestimmungen und Bedingungen, die in der entsprechenden Jolywood Solar-Garantierklärung enthalten sind. Auch diese 25-Jahre beschränkte Produktgarantie gilt nur für Produkte, die in bestimmten Regionen auf Hausdächern installiert und betrieben werden.

Electrical Properties | STC*

| Testing Condition | Front Side | Front Side | Front Side | Front Side | Front Side |
|---------------------------------|------------|------------|------------|------------|------------|
| Peak Power (Pmax) (W) | 375 | 380 | 385 | 390 | 395 |
| MPP Voltage (Vmp) (V) | 34.7 | 34.9 | 35.1 | 35.3 | 35.5 |
| MPP Current (Imp) (A) | 10.81 | 10.89 | 10.97 | 11.05 | 11.13 |
| Open Circuit Voltage (Voc) (V) | 41.6 | 41.8 | 42.0 | 42.2 | 42.4 |
| Short Circuit Current (Isc) (A) | 11.45 | 11.54 | 11.62 | 11.69 | 11.77 |
| Module Efficiency (%) | 20.55 | 20.83 | 21.10 | 21.38 | 21.65 |

*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 |
|---------------------------------|------------|------------|------------|------------|------------|
| Peak Power (Pmax) (W) | 284 | 288 | 292 | 296 | 299 |
| MPP Voltage (Vmp) (V) | 32.6 | 32.8 | 33.0 | 33.2 | 33.4 |
| MPP Current (Imp) (A) | 8.72 | 8.78 | 8.84 | 8.91 | 8.97 |
| Open Circuit Voltage (Voc) (V) | 39.8 | 40.0 | 40.1 | 40.3 | 40.5 |
| Short Circuit Current (Isc) (A) | 9.23 | 9.30 | 9.37 | 9.43 | 9.49 |

*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) | 25 |
| Power Tolerance | 0~+5W |
| Bifaciality* | 80% |

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

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

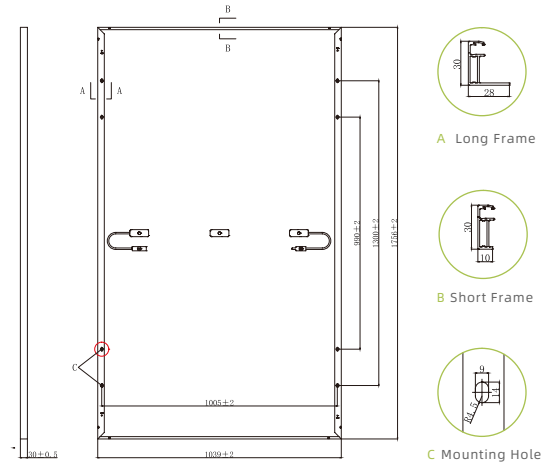
| | |
|---------------------|---|
| Cell Size | 166.00mm*83.00mm |
| Number of Cells | 120pcs(12*10) |
| Module Dimension | 1756mm*1039mm*30mm |
| Weight | 23kg |
| Front / Rear Glass* | 2.0mm/2.0mm |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 (3 diodes) |
| Length of Cable | 4.0mm ² , +300mm/-180mm (Cable length can be customized) |

*Heat strengthened glass

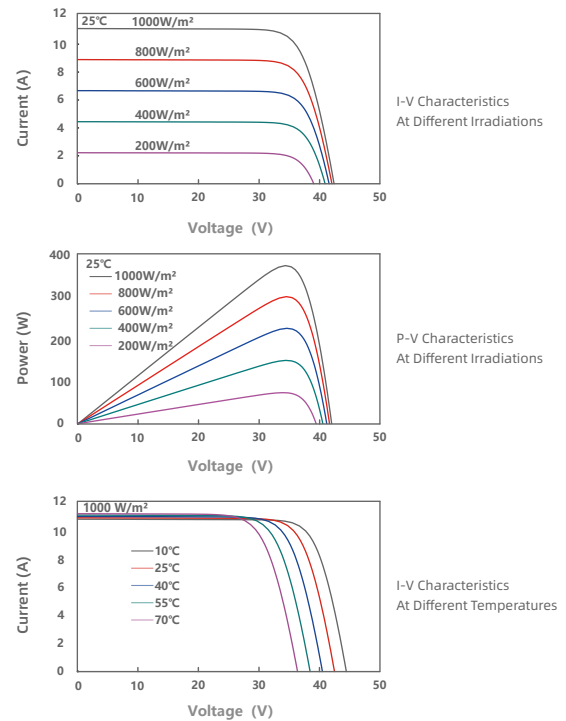
With Different Power Generation Gain (regarding 380W as an example)

| 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 | 410 | 34.9 | 11.75 | 41.8 | 12.44 |
| 15 | 426 | 34.9 | 12.18 | 41.8 | 12.89 |
| 20 | 441 | 35.0 | 12.61 | 41.9 | 13.34 |
| 25 | 456 | 35.0 | 13.04 | 41.9 | 13.79 |
| 30 | 471 | 35.0 | 13.47 | 41.9 | 14.24 |

Engineering Drawing (unit: mm)



Characteristic Curves | HD120N-380



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.

