

# JNBM120-355~375

## High efficiency dual-glass bifacial mono solar module

### JNBM120

Ga-doped silicon wafer, effectively reduce LID and LeTID. SE technology effectively improves cell conversion efficiency.

MBB and half-cell design to reduce shadow effects, improve module reliability and reduces loss.

The dual-glass structure effectively reduces the risk of cell cracking and improves the weatherability of the module. Al frame improves mechanical performance, making it easier to transport and install.

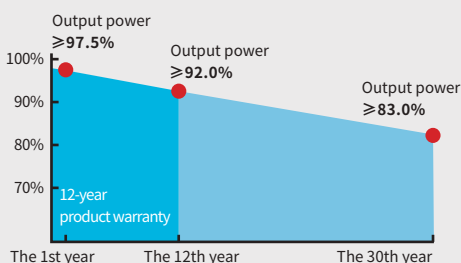
Compatible with 1500V system voltage to reduce construction cost per watt.

### CERTIFICATION



TUV: IEC/EN 61215, IEC/EN 61730  
 GB/T 19001-2016/ ISO 9001:2015  
 GB/T 24001-2016/ ISO 14001:2015  
 OHSAS 18001:2007  
 CNAS-CL01: ISO/IEC 17025:2017

### QUALITY ASSURANCE



#### Advanced production process

Optimized MBB design  
 Cell efficiency >22.8%



#### Superior quality control

Full automatic production line  
 MES and ERP digitizing logistics management  
 100% three times EL and appearance inspection



#### Excellent power generation performance

0~+5W positive power tolerance  
 Improved low light irradiance performance and low degradation



#### Stable mechanical performance

Passed rigorous hail test  
 Withstands 5400Pa snow and 2400Pa wind loads



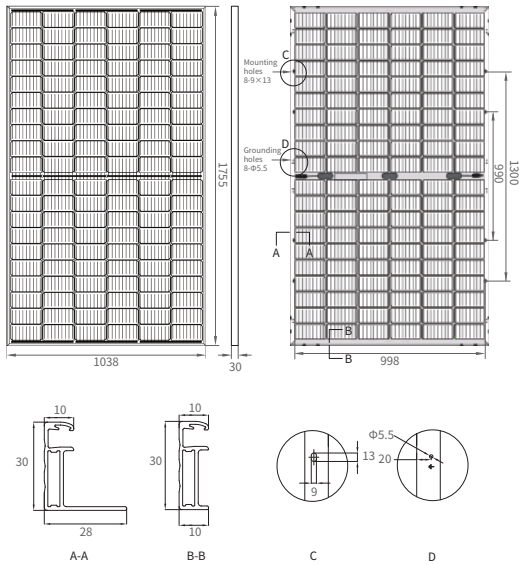
#### Long weather resistance

Excellent anti-PID performance  
 Certified in fireproofing for safety



### JINNENG CLEAN ENERGY TECHNOLOGY LTD JINNENG PHOTOVOLTAIC TECHNOLOGY LTD

No.1 Wenshui Economic Development Zone, Lvliang, Shanxi 032100, China  
 No. 533, East Guang'an Street, Yuci District, Jinzhong, Shanxi 030600, China  
 Tel: +86(354)2037999 E-mail: sales@jinery.com



**MECHANICAL PARAMETERS**

|                            |                      |
|----------------------------|----------------------|
| Cell (mm)                  | 166*83 Bifacial Mono |
| Dimensions (L*W*H) (mm)    | 1755*1038*30         |
| Weight (kg)                | 22.2                 |
| Glass Thickness (mm)       | 4                    |
| No. of Cells & Connections | 120(6*20)            |
| No. of Diodes              | 3                    |

|   |             |
|---|-------------|
| <b>QUALIFICATION</b>                      |             |
| Temperature Cycling Range (°C)            | -40~+85     |
| Max. Series Fuse Rating (A)               | 20          |
| Max. Wind Load / Max. Snow Load (Pa)      | 2400 / 5400 |
| Hot Spot Rate                             | 100% Free   |
| Fire Rating                               | Class C     |
| Junction Box & Connector Protection Grade | IP68        |
| Bifacial Factor(%)                        | 70±5        |

**ELECTRICAL PARAMETERS**

|  | JNBM120-355                   | JNBM120-360 | JNBM120-365 | JNBM120-370 | JNBM120-375 |       |
|--|-------------------------------|-------------|-------------|-------------|-------------|-------|
| <b>STC</b><br>AM1.5<br>1000W/m <sup>2</sup><br>Cell Temperature 25°C | Max. Power at STC (Pmpp/W)    | 355         | 360         | 365         | 370         | 375   |
|  | Output Tolerance (W)          | 0-5         | 0-5         | 0-5         | 0-5         | 0-5   |
|  | Max. Power Voltage (Vmp/V)    | 34.10       | 34.30       | 34.50       | 34.71       | 34.91 |
|  | Max. Power Current (Imp/A)    | 10.42       | 10.50       | 10.58       | 10.66       | 10.75 |
|  | Open Circuit Voltage (Voc/V)  | 41.10       | 41.30       | 41.50       | 41.70       | 41.90 |
|  | Short Circuit Current (Isc/A) | 11.04       | 11.11       | 11.18       | 11.25       | 11.32 |
|  | Module Efficiency (%)         | 19.5        | 19.8        | 20.0        | 20.3        | 20.6  |

**BIFACIAL OUTPUT-Backside Power Gain**

|     |                       | JNBM120-355 | JNBM120-360 | JNBM120-365 | JNBM120-370 | JNBM120-375 |
|-----|-----------------------|-------------|-------------|-------------|-------------|-------------|
| 10% | Max. Power (Pmpp/W)   | 390.5       | 396         | 401.5       | 407         | 412.5       |
|     | Module Efficiency (%) | 21.4        | 21.7        | 22.0        | 22.3        | 22.6        |
| 20% | Max. Power (Pmpp/W)   | 426         | 432         | 438         | 444         | 450         |
|     | Module Efficiency (%) | 23.4        | 23.7        | 24.0        | 24.4        | 24.7        |
| 30% | Max. Power (Pmpp/W)   | 461.5       | 468         | 474.5       | 481         | 487.5       |
|     | Module Efficiency (%) | 25.3        | 25.7        | 26.0        | 26.4        | 26.8        |

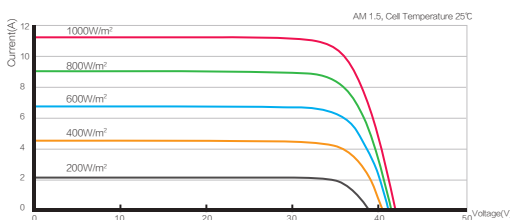
**PACKING CONFIGURATION**

|                      |     |
|----------------------|-----|
| Pieces Per Pallet    | 36  |
| Pallets Per Stack    | 2   |
| Stacks Per Container | 13  |
| Pieces Per Container | 936 |

**TEMPERATURE COEFFICIENTS**

|   |           |
|---|-----------|
| Nominal Module Operating Temperature (NMOT) | 43±2°C    |
| Temperature Coefficient Voltage (Voc)       | -0.29%/°C |
| Temperature Coefficient Current (Isc)       | 0.04%/°C  |
| Temperature Coefficient Power (Pm)          | -0.37%/°C |

**I-V CURVE(365W)**



**Optional**

|                |   |                                     |
|----------------|---|-------------------------------------|
| Connector Type | <input type="checkbox"/> MC4 Compatible | <input type="checkbox"/> MC4        |
| Cable Length   | <input type="checkbox"/> 295mm / 145mm  | <input type="checkbox"/> Customized |
| Frame Color    | <input type="checkbox"/> Silver         | <input type="checkbox"/> Black      |

Notes:

CAUTION: The electrical parameters in this product datasheet do not refer to only one module, nor are they promised in the contract. Read safety and installation instructions before using the product. The contents of this specification are for reference only and are subject to change without notice. Jinneng reserves the right of final interpretation.  
 © 2020 (1) JINNENG CLEAN ENERGY TECHNOLOGY LTD. ALL RIGHTS RESERVED.