

## Certificate of conformity with the following European Directives

Registered No.:  
**44 799 24 406749 - 417**

### Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2024-12-09	PVP11139/24P-01	492013222.007	2024-12-10	Essen

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

**Product:** Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

**Type designation:** See Annex 1

**Applicant:** **Jolywood (Taizhou) Solar Technology Co., Ltd.**  
Kaiyang Rd. Jiangyan Economic Development Zone  
Taizhou City, Jiangsu Province, 225500, P.R. China

**Standard(s):** EN IEC 61730-1:2018; EN IEC 61730-1:2018/AC:2018-06  
EN IEC 61730-2:2018; EN IEC 61730-2:2018/AC:2018-06

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.



Certification Body  
Specialist Manager Consumer Products

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**Description of product(s):**

Module types: **Double Glass PV Modules with 182mm Half-cut Mono n-type Bifacial Solar Cells:**  
156 cells: JW-HD156N-xxx (xxx=610-635, in steps of 5)  
144 cells: JW-HD144N-xxx (xxx=545-590, in steps of 5)  
108 cells: JW-HD108N-xxx (xxx=415-445, in steps of 5)  
156 cells: JW-HD156N-xxxS (xxx=610-635, in steps of 5)  
144 cells: JW-HD144N-xxxS (xxx=545-590, in steps of 5)  
108 cells: JW-HD108N-xxxS (xxx=415-445, in steps of 5)  
xxx indicates rated output power generated from front side under STC

Module types: **Double Glass PV Modules with 182.2mm\*183.75mm Half-cut Mono n-type Bifacial Solar Cells:**  
156 cells: JW-HD156N-R0-xxx (xxx=610-650, in steps of 5)  
144 cells: JW-HD144N-R0-xxx (xxx=570-600, in steps of 5)  
108 cells: JW-HD108N-R0-xxx (xxx=420-455, in steps of 5)  
156 cells: JW-HD156N-R0-xxxS (xxx=610-650, in steps of 5)  
144 cells: JW-HD144N-R0-xxxS (xxx=570-600, in steps of 5)  
108 cells: JW-HD108N-R0-xxxS (xxx=420-455, in steps of 5)  
xxx indicates rated output power generated from front side under STC

Module types: **Double Glass PV Modules with 182.2mm\*186.7mm and 182.2mm\*187.5mm Half-cut Mono n-type Bifacial Solar Cells:**  
120 cells: JW-HD120N-R3-xxx (xxx=480-515, in steps of 5)  
108 cells: JW-HD108N-R3-xxx (xxx=430-460, in steps of 5)  
120 cells: JW-HD120N-R3-xxxS (xxx=480-515, in steps of 5)  
108 cells: JW-HD108N-R3-xxxS (xxx=430-460, in steps of 5)  
xxx indicates rated output power generated from front side under STC



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Module types: **Double Glass PV Modules with 182.2mm\*191.6mm Half-cut Mono n-type Bifacial Solar Cells:**  
144 cells: JW-HD144N-R1-xxx (xxx=595-625, in steps of 5)  
120 cells: JW-HD120N-R1-xxx (xxx=495-525, in steps of 5)  
108 cells: JW-HD108N-R1-xxx (xxx=445-470, in steps of 5)  
144 cells: JW-HD144N-R1-xxxS (xxx=595-625, in steps of 5)  
120 cells: JW-HD120N-R1-xxxS (xxx=495-525, in steps of 5)  
108 cells: JW-HD108N-R1-xxxS (xxx=445-470, in steps of 5)  
xxx indicates rated output power generated from front side under STC

Module types: **Double Glass PV Modules with 182mm\*210mm and 182.3mm\*210mm Half-cut Mono n-type Bifacial Solar Cells:**  
132 cells: JW-HD132N-R2-xxx (xxx=595-635, in steps of 5)  
120 cells: JW-HD120N-R2-xxx (xxx=540-575, in steps of 5)  
108 cells: JW-HD108N-R2-xxx (xxx=485-515, in steps of 5)  
96 cells: JW-HD96N-R2-xxx (xxx=430-460, in steps of 5)  
132 cells: JW-HD132N-R2-xxxS (xxx=595-635, in steps of 5)  
120 cells: JW-HD120N-R2-xxxS (xxx=540-575, in steps of 5)  
108 cells: JW-HD108N-R2-xxxS (xxx=485-515, in steps of 5)  
96 cells: JW-HD96N-R2-xxxS (xxx=430-460, in steps of 5)  
xxx indicates rated output power generated from front side under STC

Module types: **Double Glass PV Modules with 210mm\*210mm Half-cut Mono n-type Bifacial Solar Cells:**  
132 cells: JW-HD132N-xxx (xxx=685-715, in steps of 5)  
120 cells: JW-HD120N-xxx (xxx=625-655, in steps of 5)  
132 cells: JW-HD132N-xxxS (xxx=685-715, in steps of 5)  
120 cells: JW-HD120N-xxxS (xxx=625-655, in steps of 5)  
xxx indicates rated output power generated from front side under STC



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Module types:

**Double Glass PV Modules with 182mm Half-cut Mono p-type Bifacial Solar Cells:**

156 cells: JW-HD156P-xxx (xxx=580-605, in steps of 5)

144 cells: JW-HD144P-xxx (xxx=525-555, in steps of 5)

108 cells: JW-HD108P-xxx (xxx=395-415, in steps of 5)

156 cells: JW-HD156P-xxxS (xxx=580-605, in steps of 5)

144 cells: JW-HD144P-xxxS (xxx=525-555, in steps of 5)

108 cells: JW-HD108P-xxxS (xxx=395-415, in steps of 5)

xxx indicates rated output power generated from front side under STC


Module types:

**Double Glass PV Modules with 182mm\*199mm Half-cut Mono n-type Bifacial Solar Cells:**

144 cells: JW-HD144N-R4-xxx (xxx=610-640, in steps of 5)

144 cells: JW-HD144N-R4-xxxS (xxx=610-640, in steps of 5)

xxx indicates rated output power generated from front side under STC



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