

# LIMITED WARRANTY

Applied to : Roof Top Project

Applied Regions: Europe, Australia, North America and Japan

# Limited Warranty

Effective Date: 1st Jan, 2022  
 Doc No.: JW-Roof Top Project-2022-V1

Thanks for choosing the photovoltaic solar module products made by Jolywood (Taizhou) Solar Technology Co., Ltd. (hereinafter referred to as "JOLYWOOD").

This Limited Warranty will apply to those two kinds of MODULES:

(i) All MODULES installed on Roof Top Project in Europe, Australia, North America and Japan.

(ii) JW-HD120N (All BLACK MODULE) , JW-HD108N (All BLACK MODULE) only applicable to Roof Top Project in Europe, Australia, North America and Japan.

## 1. WARRANTY START DATE

JOLYWOOD provides the Limited Warranty set forth herein commencing upon one hundred and twenty(120) days following the delivery date from factory, or installation date, whichever comes earlier ("WARRANTY START DATE").

## 2. LIMITED PRODUCT WARRANTY

Subject to the limitations & exclusions contained herein, JOLYWOOD warrants its MODULES, including factory-assembled DC connectors and cables, if any, to be free from defect in materials and workmanship, as per the mechanical and electrical characteristics of MODULES' datasheet, under proper installation, normal use specifies in JOLYWOOD's standard documentations such as installation manual etc. If MODULES fail to comply with this Limited Product Warranty during Limited Product Warranty Period, JOLYWOOD will, at its option, either repair or replace the product, or refund market residual value at the time of warranty claim resolution of comparable JOLYWOOD MODULES.

(i) All MODULES installed on Roof Top Project in Europe, Australia, North America and Japan.

One Hundred and Eighty (180) months following the WARRANTY START DATE.

(ii) JW-HD120N (All BLACK MODULE) , JW-HD108N (All BLACK MODULE) only applicable to Roof Top Project in Europe, Australia, North America and Japan.

Three Hundred (300) months following the WARRANTY START DATE.

The remedy solutions under this clause shall be the sole and exclusive remedy provided under the "Limited Product Warranty" and shall not be extended beyond the period set forth herein.

## 3. LIMITED POWER WARRANTY

JOLYWOOD warrants that Limited Power Warranty Period, the degradation rate of MODULES shall not exceed the amount as set forth below under Standard Test Condition (STC).

For N type Mono-crystalline MODULES, (i) 1.0% in the first year; (ii) 0.4% each year thereafter until that date which is thirty (30) years following the WARRANTY START DATE, at which time the actual power output shall be not less than 87.4% of the nominal power output. See Table 1 below.

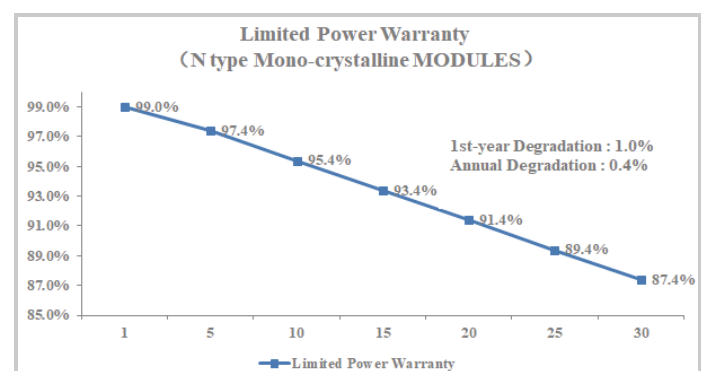


Table 1 : Limited Power warranty for N type Mono-crystalline MODULES

For P type Mono-crystalline MODULES, (i) 2.0% in the first year; (ii) 0.45% each year thereafter until that date which is thirty (30) years following the WARRANTY START DATE, at which time the actual power output shall be not less than 84.95% of the nominal power output. See Table 2 below.

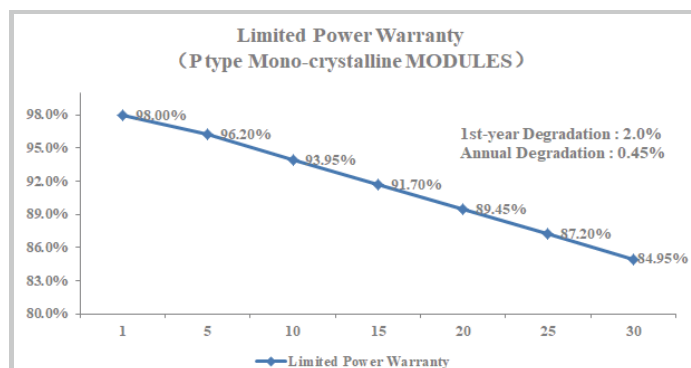


Table 2 : Limited Power warranty for P type Mono-crystalline MODULE

**Power Definition:**

(i) Standard Test Condition (STC): (i) light spectrum of AM 1.5, (ii) an irradiation of 1000 W per m<sup>2</sup> and (iii) a cell temperature of 25 degrees centigrade at right angle irradiation. The measurements are carried out in accordance with IEC 61215 as tested at the connectors or junction box terminals – as applicable – per calibration and testing standards of JOLYWOOD valid at the date of manufacture of the MODULES.

(ii) Nominal Power Output: means the original manufactured nameplate specification of the MODULES, expressed in Watts, as certified by JOLYWOOD and indicated on the MODULE, excluding any specified positive tolerance.

(iii) Actual Power output: means the power output of the MODULES expressed in Watts at watt peak that a MODULE generated or, for a Bifacial MODULE that the front-side of a Bifacial MODULE generates, at a given point in time in a year after the Warranty Start Date under Standard Test Condition (STC).

(iv) Degradation Rate: shall be any positive amount calculated in accordance with the following formula, expressed as a percent:

$$\text{Degradation Rate} = 1 - (\text{actual power output} / \text{nominal power output})$$

JOLYWOOD warrants each MODULE against defects in materials and workmanship that result in the failure of the MODULES to produce the warranted percentage specified

above of the nominal power output for the MODULE set forth in JOLYWOOD product datasheet. If JOLYWOOD determines in its discretion that any MODULE is not providing the warranted percentage of the nominal power output because of defects in materials and workmanship, JOLYWOOD will at its option either (i) provide extra MODULES for power loss, or (ii) refund to the CUSTOMER current market value of power loss, or (iii) repair or replace the defective MODULES at its own cost.

The remedy solutions under this clause shall be the sole and exclusive remedy provided under the “Limited Power Warranty” and shall not be extended beyond the period set forth herein.

#### 4. NON-INDEPENDENT WARRANTY

The CUSTOMER shall be entitled to claim for the Limited Warranty above-mentioned. If a case simultaneously was in breach of both Limited Product Warranty and Limited Power Warranty, and when JOLYWOOD has already provided solution to one of them, it can be considered that JOLYWOOD has solved all applicable warranty claims. Under this circumstance, the CUSTOMER shall no longer claim for Limited Warranty during the Warranty Period.

#### 5. THRESHOLD CONDITIONS OF WARRANTY

(i) In any case, all warranty claims should be submitted to JOLYWOOD by written form with relevant written evidence within Warranty Period.

(ii) The warranties shall not apply to any MODULE for which full and final payment has not been received by JOLYWOOD.

(iii) The warranties shall not apply to any MODULES failed to comply with Limited Warranty due to following events or circumstances:

- √ Improper installation, misuse, improper operation and maintenance, which have not follow the installation manual of JOLYWOOD.

√ Altered, repaired or modified without prior written consent of JOLYWOOD or otherwise inconsistent with JOLYWOOD'S written instructions.

√ Removed and re-installed at any location other than the physical location in which it was originally installed following purchase by CUSTOMER or receipt from JOLYWOOD as a replacement MODULE.

√ Installed on movable place, Marine environment, extremely hot weather, acid rain, salt mist, chemicals, corrosion, oxidation etc., or other abnormal, severe environment.

√ Force Majeure, such as electrical surges, lightning, flood, fire, vandalism, tampering, accidental breakage, or other events beyond JOLYWOOD'S control.

√ Negligence, willful misconduct or accident in the course of storage, transportation, handling, installation, application, normal use or maintenance.

√ Subject to direct contact with salt water, corrosive materials, pest damage, or malfunctioning PV system components.

√ Type or serial number of the MODULES have been altered, removed or made illegible.

√ Damage caused by external facilities.

(iv) For repair or replacement of modules under both Limited Product Warranty and Limited Power Warranty, JOLYWOOD shall only bear shipping cost to the delivery point under Incoterms same with defected modules.

(v) JOLYWOOD shall not bear any costs for returning of defected modules.

(vi) Installation and operation of MODULES shall be conducted by qualified professional skills. All claims shall be documented. JOLYWOOD shall not undertake any responsibility or cost without prior written consent.

## 6. LIMITATION OF LIABILITY

WARRANTY TERMS, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY WARRANTY. IT'S A WARRANTY FOR SPECIFIC PURPOSE, USE OF APPLICATION WHICH DOES NOT INFRINGE UPON THE RIGHT OF A THIRD PARTY, INCLUDING BUT NOT LIMITED TO INTELLECTUAL PROPERTY AND ALL OTHER RESPONSIBILITIES OR OBLIGATIONS THAT BELONG TO JOLYWOOD, UNLESS CONFIRMED BY THE CEO WITH SIGNATURE. IF IT IS NOT PROHIBITED BY LOCAL LAW OR REGULATIONS, TO ANY REASON CAUSED BY PRODUCTS OR RELATED TO THEM, INCLUDING BUT NOT LIMITED TO MODULES OR DEFECTS CAUSED BY USE OR APPLICATION.

JOLYWOOD WILL NOT UNDERTAKE ANY RESPONSIBILITIES OR OBLIGATIONS FOR DAMAGE TO ANY NATURAL PERSON OR TANGIBLE PROPERTY OR DAMAGE IN OTHER ASPECTS. FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES, REGARDLESS OF THE GENERATION, OR EVEN JOLYWOOD HAS BEEN INFORMED IN ADVANCE OF SUCH DAMAGE, JOLYWOOD IS IRRESPONSIBLE UNDER ANY CIRCUMSTANCES.

THEREFORE, THE USE LOSS, PROFIT LOSS, PRODUCTION LOSS, INCOMING LOSS AND OTHER SPECIFIC LOSSES ARE NOT INCLUDED IN THE WARRANTY SCOPE. IF JOLYWOOD UNDERTAKES THE DAMAGE OR OTHER RESPONSIBILITIES, THE ACCUMULATED COMPENSATION AMOUNT WILL NOT EXCEED THE INVOICING VALUE OF A SINGLE MODULE PAID BY THE CUSTOMER.

## 7. WARRANTY TRANSFER

This "Limited Warranty" is transferable to subsequent owners of the MODULES provided that:

(1) The MODULES remain located in their original installation location, and

(2) The CUSTOMER notifies JOLYWOOD in writing specifying the transferee's identity and contact information, before such transfer.

## 8. NOTICE

Any notice required or permitted under this Limited Warranty shall be in writing to JOLYWOOD's customer service team or sales (mail, fax, or other written form).

## 9. CLAIMS

CUSTOMER shall bear the burden of establishing a breach of the Warranties hereunder. If CUSTOMER believes there has been a breach of the Limited Product Warranty or Limited Power Warranty (collectively, "Warranties"), then CUSTOMER shall promptly, and no later than thirty (30) days from the day becomes or should have become aware of such breach, provide notice to JOLYWOOD setting forth the following information related to the claim including but not limited to (i) party making claim (ii) detailed description about defect (iii) serial number (iv) evidence, including photographs and measurement data (v) the copy of commercial invoice and the purchase date.

The return of any MODULES will not be accepted unless prior written approval has been given by JOLYWOOD. If proved by inspection that no breach of this Limited Warranty occurred, JOLYWOOD shall not take any responsibility for repair, replacement or compensation of returning MODULES. Any incurred cost including but not limited to custom clearance cost, shipping cost should be borne by CUSTOMER. The replacement MODULES delivered to CUSTOMER in advance should be compensated to JOLYWOOD.

## 10. Disputes

In case of any dispute occurred during the warranty claim, a first-class international test-institute designated or accepted by JOLYWOOD shall be involved to settle the claim finally. All fees and expenses shall be borne by the losing party. And the final explanation right shall be borne by JOLYWOOD.

## 11. Others

The repair or replacement of the MODULES or the supply of extra MODULES will not, neither lead to the beginning of new warranty period, nor extend the original warranty period. Any MODULES been replaced shall become the property of JOLYWOOD.

JOLYWOOD has right to deliver another type (different in size, color, shape and/or power) in case JOLYWOOD has discontinued producing the replaced MODULES at the time of warranty claim resolution.

## 12. Force Majeure

JOLYWOOD shall not be responsible or liable in any way to the CUSTOMER or any third-party arising from any non-performance or delay in performance of any terms and conditions of sale, including this "Limited Warranty", due to a force majeure event, including, without limitation, acts of God, war, riots, strikes, warlike conditions, perils of the seas, plague or other epidemics, fire, flood, or any other similar cause or circumstance beyond the reasonable control of JOLYWOOD. In such cases, performance by JOLYWOOD of this Limited Warranty shall be suspended without liability for the period of delay reasonably attributable to such causes.

## NOTES:

(i) If you have purchased this product in Australia, you should be aware that this warranty is provided in addition to other rights and remedies held by a consumer at law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the good repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

In case of questions regarding the products, quality and performance, please feel free to mail to [service@jolywood.cn](mailto:service@jolywood.cn) for help.