

## Limited Warranty

Trina Solar Co., Ltd (“Trina Solar”) hereby grants the following Limited Warranty to the first customer installing (for its own use) (the “Buyer”) any of the specified (and no other) brand models listed below (the “Products”):

### 1) Warranted Products

This Limited Warranty shall only apply to the following Products:

#### a) Polycrystalline Duomax Products

TSM-\*\*\*PDG5, TSM-\*\*\*PDG5.07, TSM-\*\*\*PDG5.50, TSM-\*\*\*PEG40.07, TSM-\*\*\*PEG5, TSM-\*\*\*PEG5.07, TSM-\*\*\*PEG5.20, TSM-\*\*\*PEG5.27, TSM-\*\*\*PEG5.50, TSM-\*\*\*PEG14, TSM-\*\*\*PEG14(II), TSM-\*\*\*PEG40.40, TSM-\*\*\*PEG40.47, TSM-\*\*\*PEG5.40, TSM-\*\*\*PEG5.47, TSM-\*\*\*PEG14.40, TSM-\*\*\*PEG14.47, TSM-\*\*\*PEG14.20, TSM-\*\*\*PEG5H, TSM-\*\*\*PEG14H, TSM-\*\*\*PEG5H.40, TSM-\*\*\*PEG5H.07, TSM-\*\*\*PEG5H.47, TSM-\*\*\*PEG5H.20, TSM-\*\*\*PEG5H.27, TSM-\*\*\*PEG14H.40, TSM-\*\*\*PEG14H.07, TSM-\*\*\*PEG14H.47, TSM-\*\*\*PEG14H.20, TSM-\*\*\*PEG14H.27, TSM-\*\*\*PEG5H(II), TSM-\*\*\*PEG5H.40(II), TSM-\*\*\*PEG5H.07(II), TSM-\*\*\*PEG5H.47(II), TSM-\*\*\*PEG5H.20(II), TSM-\*\*\*PEG5H.27(II), TSM-\*\*\*PEG14H(II), TSM-\*\*\*PEG14H.40(II), TSM-\*\*\*PEG14H.07(II), TSM-\*\*\*PEG14H.47(II), TSM-\*\*\*PEG14H.20(II), TSM-\*\*\*PEG14H.27(II), TSM-\*\*\*PEG15H, TSM-\*\*\*PEG15H.20, TSM-\*\*\*PEG15, TSM-\*\*\*PEG15.20, TSM-\*\*\*PEG15H(II), TSM-\*\*\*PEG15H.20(II), TSM-\*\*\*PEG15(II), TSM-\*\*\*PEG15.20(II), TSM-\*\*\*PEG6H, TSM-\*\*\*PEG6H.20, TSM-\*\*\*PEG6, TSM-\*\*\*PEG6.20, TSM-\*\*\*PEG6(II), TSM-\*\*\*PEG6.20(II)

#### b) Monocrystalline Duomax Products

TSM-\*\*\*DEG40.07(II), TSM-\*\*\*DEG5(II), TSM-\*\*\*DEG5.07(II), TSM-\*\*\*DEG14(II), TSM-\*\*\*DEG14.07(II), TSM-\*\*\*DEG40.47(II), TSM-\*\*\*DEG5.40(II), TSM-\*\*\*DEG5.47(II), TSM-\*\*\*DEG14.40(II), TSM-\*\*\*DEG14.47(II), TSM-\*\*\*DEG5H(II), TSM-\*\*\*DEG14H(II), TSM-\*\*\*DEG14.20(II), TSM-\*\*\*DEG5.20(II), TSM-\*\*\*DEG5.27(II), TSM-\*\*\*DEG5H(II), TSM-\*\*\*DEG5H.40(II), TSM-\*\*\*DEG5H.07(II), TSM-\*\*\*DEG5H.47(II), TSM-\*\*\*DEG5H.20(II), TSM-\*\*\*DEG5H.27(II), TSM-\*\*\*DEG14H(II), TSM-\*\*\*DEG14H.40(II), TSM-\*\*\*DEG14H.07(II), TSM-\*\*\*DEG14H.47(II), TSM-\*\*\*DEG14H.20(II), TSM-\*\*\*DEG14H.27(II), TSM-\*\*\*DEG6H.20(II), TSM-\*\*\*DEG6M.20(II), TSM-\*\*\*DEG15H.20(II), TSM-\*\*\*DEG15M.20(II), TSM-\*\*\*DEG6H(II), TSM-\*\*\*DEG6M(II), TSM-\*\*\*DDG6M(II), TSM-\*\*\*DDG6M.20(II), TSM-\*\*\*DEG15H(II), TSM-

\*\*\*DEG15M(II), TSM-\*\*\*DDG6H.20(II) , TSM-\*\*\*DDG6H(II), TSM-\*\*\*DEG6(II), TSM-\*\*\*DEG6.20(II),  
TSM-\*\*\*DEG15(II), TSM-\*\*\*DEG15.20(II)

**c) Polycrystalline Duomax Twin Products**

TSM-\*\*\*PEG5C.07, TSM-\*\*\*PEG5C.27, TSM-\*\*\*PEG14C.07, TSM-\*\*\*PEG14C.27

**d) Monocrystalline Duomax Twin Products**

TSM-\*\*\*DEG5C.07(II), TSM-\*\*\*DEG5C.27(II), TSM-\*\*\*DEG14C.07(II) , TSM-\*\*\*DEG14C.27(II) , TSM-  
\*\*\*DEG5C(II), TSM-\*\*\*DEG5C.20(II), TSM-\*\*\*DEG14C(II), TSM-\*\*\*DEG14C.20(II), TSM-  
\*\*\*DEG5HC(II), TSM-\*\*\*DEG5HC.20(II), TSM-\*\*\*DEG5HC.07(II), TSM-\*\*\*DEG5HC.27(II), TSM-  
\*\*\*DEG14HC(II), TSM-\*\*\*DEG14HC.20(II), TSM-\*\*\*DEG14HC.07(II), TSM-\*\*\*DEG14HC.27(II), TSM-  
\*\*\*DEG15HC.20(II), TSM-\*\*\*DEG15MC.20(II), TSM-\*\*\*DEG15HC(II), TSM-\*\*\*DEG15MC(II), TSM-  
\*\*\*DEG6HC.20(II), TSM-\*\*\*DEG6MC.20(II), TSM-\*\*\*DEG6HC(II), TSM-\*\*\*DEG6MC(II), TSM-  
\*\*\*DEG6C.20(II), TSM-\*\*\*DEG6C.20(II), TSM-\*\*\*DEG15C(II), TSM-\*\*\*DEG15C.20(II)

Note: The “\*\*\*” placeholder stands in each case for the power indication set out in the relevant Product Data Sheet (for example “TSM-260PEG5”).

**e) Mounting Products**

Mounting products contained in Trinamount 3 D10. Applicable modules are set forth above in a) and b)

**f) Clamps**

Trina Clamp I

**2) Warranty**

**a) 10 Year Limited Product Warranty**

Trina Solar warrants that for a period of ten years commencing on the Warranty Start Date (as defined below)

- There will be no defects in design, material, workmanship or manufacture that materially impede the power generation functioning of the Product(s), and
- The Product(s) will conform to the Trina Solar executive specifications relating to power generation and safety.

10 Year Limited Product Warranty covers glass breakage provided that there was no external cause of breakage (i.e. only breakage caused by the glass itself or the module is covered).

Further, this Limited Product Warranty applies to any defects of the modules caused by mechanical failure of the clamps listed under Sec. 1 f) (for example: fracture, deformation), regardless of whether such defects materially impede the Product's functioning For sake of clarity, any defects of the modules caused by mechanical failure of clamps different than those listed under Sec. 1 f) are excluded from the application of this Limited Product Warranty.

Any deterioration in the appearance of the Product(s) (including, without limitation, any scratches, stains, mechanical wear, rust, or mold) or any other changes to the Product(s), which occur after delivery (Incoterm 2010) to the Buyer, do not constitute a defect under this Limited Product Warranty.

**b) 30 Year Limited Power Output Warranty**

In addition, for the photovoltaic cells of the Products listed under Sec. 1 a), b) and the photovoltaic cells on the front side (sunny side) of Products listed under Sec. c), d) Trina Solar warrants that for a period of thirty years commencing on the Warranty Start Date, the loss of power output relating to the initial guaranteed power which is defined as Peak Power Watts  $P_{max}(W_p)$  plus Peak Power Watts  $P_{max}(W_p)$  multiplied by the lower limit of the Power Output Tolerance  $P_{max}(\%)$ —as specified in the relevant Product Data Sheet and measured at Standard Test Conditions (STC: irradiation  $1000\text{w/m}^2$ , temperature  $25^\circ$ , AM1.5) for the Product(s) shall not exceed and measurement shall either be carried out by Trina Solar or by a third-party testing institute recognized by Trina Solar and the customer. (Remark: According to STC, measurement system uncertainty should be included in all actual power output measurements.)

- For Polycrystalline Duomax Products (as defined in Sec. 1 a): 2.5 % in the first year, from the 2nd year to the 30th year, the average annual power decline will be no more than 0.5%. By the end of the 30th year, the actual power output will be no less than 83%;
- For Standard Monocrystalline Duomax Products (as defined in Sec. 1 b): 3.0% in the first year, from the 2nd year to the 30th year, the average annual power decline will be no more than 0.5%. By the end of the 30th year, the actual power output will be no less than 82.5%;
- For Monocrystalline PERC Duomax Products (as defined in Sec. 1 b): 2.5% in the first year, from the 2nd year to the 30th year, the average annual power decline will be no more than 0.5%. By the end of the 30th year, the actual power output will be no less than 83%;
- For Polycrystalline Duomax Twin Products (as defined in Sec.1 c): 2.5% in the first year, from the 2nd year to the 30th year, the average annual power decline will be no more than 0.5%. By the end of the 30th year, the actual power output will be no less than 83%;

- For Monocrystalline PERC Duomax Twin Products(as defined in Sec.1 d): 2.5% in the first year, from the 2nd year to the 30th year, the average annual power decline will be no more than 0.5%. By the end of the 30th year, the actual power output will be no less than 83%

### 3) Warranty Start Date

The Warranty Start Date is the date of installation of the Product(s) or three months after the delivery (Incoterms 2010) of the Product(s) to the Buyer, whichever date is earlier.

### 4) Exclusions and Limitations

The aforementioned "Limited Warranty" does not apply to any Products which have been subjected to

- a) Failure to pay the purchase price towards Trina Solar or its subsidiaries which have put the modules on the market even though (i), the payment was due and (ii) the direct customer who has obtained the modules from Trina Solar or its subsidiary („Direct Customer“) is not entitled to withhold the purchase price or parts of the purchase price. Trina Solar must inform the Buyer about the non-payment and provide the name and the full address of the Direct Customer which has failed to pay the modules. In case that Trina Solar can reject the claim under this warranty based on this provision, the Buyer can deposit the amount not paid in order to trigger the warranty claims;
- b) Failure to provide proof of purchase or product information;
- c) Failure to comply with the requirements of Trina Solar's user manual applicable during the Validity of this Limited Warranty pursuant to Sec 10;
- d) Failure to carry out proper operation and maintenance (including but not limited to operation and maintenance requirements requested by Trina's applicable User Manual or other applicable local laws and regulation of the place of installation);
- e) Service by service technicians who are not qualified under the relevant law and/or applicable regulations at the place of installation;
- f) The Product's type, nameplate or module serial number is changed, erased or made illegible (other than by any act or omission of Trina Solar);
- g) The Product's installation on mobile units (except photovoltaic tracking system), such as vehicles, ships or offshore-structures (except floating system and fishing light complementary system);
- h) Exposure to voltage in excess to the maximum system voltage or power surges;
- i) Defective components in the construction on which the module is mounted;
- j) Exposure to mold discoloration or similar external effects;
- k) exposure to any of the following:
  - i) Unauthorized modifications/operation/maintenance by use of unauthorized spare parts;
  - ii) Operation/maintenance by use of unauthorized spare parts;

- ii) Application under extremely hot or extreme environmental conditions, or rapid changes in such application environments, resulting in corrosion, oxidation, or affected by chemical products;
- iii) Other acts beyond Trina Solar's reasonable control (including direct or indirect damage by war, fire, flood, hurricane, volcanic eruption, surface collapse, debris flow, lightning , earthquake , heavy snowfall, hailstone, strong breeze,etc.);
- l) Use of the Products in such a manner as to infringe Trina Solar's or any third party's intellectual property rights (Including but not limited to patents, trademarks, etc);
- m) Any subsequent sale of Product(s) from a country where Trina Solar was first marketed to another country is prohibited without the consent of Trina Solar (Prohibition of Parallel Import). But the Prohibition of Parallel Import does not apply to the sales within the European Union (EU), where the sale of Product(s) from one EU country to another does not require the consent of Trina Solar. However, the consent of Trina Solar must be obtained for the sale of Product(s) from outside the EU to EU country or from EU country to outside the EU.
- n) Only for buyers located in Australia applies: The "Limited Warranty" is only valid for products from authorized Australian resellers. Buyers may contact the Customer Support office in their region (as detailed in clause 7) for details of authorized Australian resellers.
- o) Only for buyers located in the US applies: The "Limited Warranty" is only valid for products from authorized US resellers. Buyers may contact the Customer Support office in their region (as detailed in clause 7) for details of authorized US resellers.
- p) Only for buyers located in Japan applies: The "Limited Warranty" is only valid for products from authorized Japanese resellers. Buyers may contact the Customer Support office in their region (as detailed in clause 7) for details of authorized Japanese resellers.

#### 5) Repair, Replacement or Refund Remedy

- a) As Buyer's sole and exclusive remedy under this Limited Warranty (though Buyer should note paragraph 5(d) below regarding the potential existence of other statutory rights and paragraph 5(e) below for Australian Buyers) Trina Solar will, at its sole discretion, either, with regard to the applicable Product (or component thereof in the case of Mounting Product):
  - i) refund the salvage value of the defective Product(s). For purposes of this Limited Warranty salvage value = The market price at the moment of raising warranty claim (per watt) \* remaining warranty period (year) / original total warranty period provided by Trina; or
  - ii) repair the defective Product(s) at no charge (subject to the following paragraph); or
  - iii) replace the defective Product(s) or part thereof by a new or remanufactured at no charge. Trina Solar reserves the right to provide a similar Product in replacement of the defective Product if the defective Product is discontinued or otherwise unavailable.In the event that Trina Solar opts for options ii) or iii), Trina Solar shall bear all reasonable insurance and transportation charges (except air freight), customs clearance and any other

reasonable costs for returning the defective Product(s) to Trina Solar and shipping the repaired or replaced Product(s) to Buyer (a Buyer may claim reimbursement by Trina for these charges by providing invoice from the relevant service provide to Trina Solar that these charges were incurred). Ownership of returned Product(s) shall pass to Trina Solar free of charge. The costs and expenses for the removal, repack, installation or reinstallation shall remain with Buyer. Defect modules or end of lifetime module shall be disposed by the customer in accordance with local applicable requirements, unless Trina Solar agrees to take them back.

- b) The warranty period(s) as defined in Sec. 2 a) and b) shall not extend or renew upon the repair or replacement of a defective Product by Trina Solar. The warranty period for replaced or repaired Product(s) is the remainder of the warranty on the original new Product(s).
- c) All other claims under this Limited Warranty against Trina Solar shall be excluded. Under this Limited Warranty, Trina Solar is not responsible for any special, incidental or consequential damages (including loss of profits, business interruption, loss of power generation, harm to goodwill or business reputation, or delay damages) whether such claims are based in contract, warranty, negligence or strict tort. This exclusion applies to the extent permissible by law, and even if the remedies set forth below herein are deemed to have failed of their essential purpose.
- d) YOU MAY HAVE SPECIFIC LEGAL RIGHTS OUTSIDE THIS WARRANTY, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. THIS LIMITED WARRANTY DOES NOT AFFECT ANY ADDITIONAL RIGHTS YOU HAVE UNDER LAWS IN YOUR JURISDICTION GOVERNING THE SALE OF CONSUMER GOODS, INCLUDING WITHOUT LIMITATION, NATIONAL LAWS IMPLEMENTING EC DIRECTIVE 99/44 OR PURSUANT TO THE MAGNUSON MOSS WARRANTY ACT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE LIMITATIONS OR EXCLUSIONS IN THIS LIMITED WARRANTY STATEMENT MAY NOT APPLY.
- e) The following statement applies to customers that are 'consumers' within the meaning of the Australian Consumer 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 for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure."

## 6) Rights and Remedies against Third Parties

This Limited Warranty shall be construed as a separate warranty and independent from any other contractual arrangement with third parties relating to the Product(s). It shall not affect any rights,

obligations and remedies of the Buyer, if any, with regard to third parties for defects or non-conformity or non-compliance of the Products, notwithstanding its legal basis. The rights and remedies provided hereunder are in addition to any other rights and remedies against third parties to which Buyer may be entitled by agreements with such third parties or by law.

**7) Claims Procedure, Notice Periods, Expiration of Warranty Claims and Limitations.**

- a) Buyer shall notify Trina Solar under this Limited Warranty using Trina Solar’s Customer Service Portal at the web address <http://customerservice.trinasolar.com>; alternatively by letter or facsimile. The notification shall specify the claim and, without limitation, include proof for the purchase (purchasing invoices indicating purchase date, Product(s), serial numbers) and for the defect or malfunction (i.e. related to transport, storage, installation and operation) of the Product(s).. The contact customer support center for the regions are:

**Europe Customer Support**

Trina Solar (Schweiz) AG  
Birkenweg 4  
8304 Wallisellen, Switzerland  
T +41 43 299 68 00  
F +41 43 299 68 10  
Mail [Euservice@trinasolar.com](mailto:Euservice@trinasolar.com)  
<http://customerservice.trinasolar.com>

**Americas Customer Support**

Trina Solar (U.S.), Inc.  
100 Century Center, Suite 501,  
San Jose CA 95112, USA  
T +1 800 696 7114  
F +1 800 696 0166  
Mail [NAService@trinasolar.com](mailto:NAService@trinasolar.com)  
<http://customerservice.trinasolar.com>

**Australia and New Zealand Customer Support**

Trina Solar Australia Pty Ltd  
Level 35, 60 Margaret Street,  
Sydney NSW 2000, Australia  
T +61 (0)2 9199 8500  
F +61 2 9199 8006  
Mail [Australiaservice@trinasolar.com](mailto:Australiaservice@trinasolar.com)  
<http://customerservice.trinasolar.com>

**Japan Customer Support**

Trina Solar (Japan) Limited  
World Trade Center Building 21F  
4-1, Hamamatsu-cho, 2-chome,  
Minato-ku, Tokyo, Japan, 105-6121  
T +81-3-3437-7000  
F +81-3-3437-7001  
Mail [Japanservice@trinasolar.com](mailto:Japanservice@trinasolar.com)  
<http://customerservice.trinasolar.com>

**Rest of World (ROW) Customer Support**

Trina Solar Co.,Ltd  
No. 2 Trina Road, Trina PV Industrial Park,  
New District, Changzhou, Jiangsu,  
P.R. China, 213031  
T +86 519 8548 2008  
F +86 519 8517 6021

Mail [APMEAservice@trinasolar.com](mailto:APMEAservice@trinasolar.com)  
<http://customerservice.trinasolar.com>

- b) Any dispute on technical facts relating to claims brought under this Limited Warranty for defects of Products shall be determined by expert determination. Trina Solar and the Buyer will, at the Buyer's or Trina Solar's request, jointly appoint as independent expert and appraiser a reputable researcher from a first-class test-institute such as Fraunhofer ISE in Freiburg, TÜV Rheinland, TÜV SUD or ASU Arizona State University, and so on ("Technical Expert"). The determination by such Technical Expert shall be final, conclusive, binding and enforceable in any proceeding brought hereunder. The Technical Expert shall (i) act as an expert; (ii) allow the parties a reasonable opportunity to make representations and counter-representations; (iii) take those representations and counter-representations into account; and (iv) if required by either party give written reasons for his or her determination.
- c) Any claim for breach of this Limited Warranty must be brought within two (2) months after discovery of the breach.
- d) The return of any defective Product(s) will not be accepted unless prior written authorization has been given by Trina Solar.

#### **8) Force Majeure**

Trina Solar shall not be responsible or liable in any way to the Buyer for any non-performance or delay in Trina Solar's performance under this Limited Warranty due to occurrences of force majeure such as, war, riots, strikes, unavailability of suitable and sufficient labor, material, or capacity or technical or yield failures and any unforeseen event beyond its control, including, without limitation, any technological or physical event or condition which is not reasonably known or understood at the time of the sale of the defective Product(s) or the notification of the relevant warranty claim under this Limited Warranty.

#### **9) Warranty Assignment**

This Limited Warranty is transferrable when the Products remain installed in their original installation location.

#### **10) Validity**

This Limited Warranty shall apply to Product(s)

- a) delivered to Buyer on or after 15<sup>th</sup> of April 2019 (Incoterms 2010).

This Limited Warranty shall be valid until a new revision is issued by Trina Solar.

#### **11) No Other Express Warranty**



Except as otherwise provided by applicable statutory law (cf. Sec. 5 d) and 5 e) above) or unless modified in writing and signed by an officer of Trina Solar, the Limited Warranty set forth herein is the only express warranty (whether written or oral) by Trina Solar applicable to the Products and no one is authorized to restrict, expand or otherwise modify this Limited Warranty.

## **12) Miscellaneous**

If any provision of this Limited Warranty is held invalid, unenforceable or contrary to law then the validity of the remaining provisions of this Limited Warranty shall remain in full force and effect.

## **13) Limitation of Liability**

To the maximum extent permitted by applicable law, Trina Solar's aggregate liability according to this Limited Warranty shall not exceed the purchase price paid by the Buyer for the defective Product(s) in the case of a Warranty Claim. The Buyer acknowledges that the foregoing limitation of liability is an essential element of this Warranty and that in the absence of such limitations the purchase price of the Product(s) would be significantly higher.

## **14) Applicable Law and Jurisdiction**

The validity of this Limited Warranty, the construction of its terms and the interpretation and enforcement of the rights and duties of the Buyer and Trina Solar shall be governed by the laws of the country of the original installation location of the Product(s), to the exclusion of that country's conflicts of law rules as well as of the United Nations Convention on the International Sale of Goods dated 11 April 1980 (CISG) and of any other uniform law.

All disputes arising out of or in connection with this Limited Warranty shall be finally settled before the ordinary courts of the country of the original installation location of the Product(s).

## **Note**

The installation and operation of photovoltaic modules requires professional skills and should only be performed by qualified professionals. Please read the safety and installation instructions before using and operating the Product(s). <http://www.trinasolar.com/en-glb/resources/downloads>