



Limited Warranty for PV Modules

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Limited Warranty for PV Modules

Subject to the conditions, exclusions and limitations set forth below, Green Wing Solar Technology, LTD (“GW”) hereby grants the following Limited Warranty for PV Modules (collectively, the “Limited Warranty”) to the original end user purchaser installing (for its own use) (the “Customer”) any of the specified (and no other) brand models of solar photovoltaic modules listed below (the “Product(s)”):

1、 Warranted Products

GW-P156-72-375 GW-P156-72-370 GW-P156-72-365 GW-P156-72-360 GW-P156-72-355 GW-P156-72-350
GW-P156-72-345 GW-P156-72-340 GW-P156-72-335 GW-P156-72-330 GW-P156-72-325 GW-P156-72-320
GW-P156-72-315 GW-P156-72-310 GW-P156-72-305 GW-P156-72-300 GW-P156-72-295

GW-P156-60-310 GW-P156-60-305 GW-P156-60-300 GW-P156-60-295 GW-P156-60-290 GW-P156-60-285
GW-P156-60-280 GW-P156-60-275 GW-P156-60-270 GW-P156-60-265 GW-P156-60-260 GW-P156-60-250

GW-P156-54-220 GW-P156-54-215 GW-P156-54-210 GW-P156-54-205 GW-P156-54-200 GW-P156-54-195
GW-P156-54-190 GW-P156-54-185

GW-D156-72-400 GW-D156-72-395 GW-D156-72-390 GW-D156-72-385 GW-D156-72-380 GW-D156-72-375
GW-D156-72-370 GW-D156-72-365 GW-D156-72-360 GW-D156-72-355 GW-D156-72-350 GW-D156-72-345
GW-D156-72-340 GW-D156-72-335 GW-D156-72-330

GW-D156-60-330 GW-D156-60-325 GW-D156-60-320 GW-D156-60-315 GW-D156-60-310 GW-D156-60-305
GW-D156-60-300 GW-D156-60-295 GW-D156-60-290 GW-D156-60-285 GW-D156-60-280 GW-D156-60-275
GW-D156-60-270 GW-D156-60-265

GW-D156-54-270 GW-D156-54-265 GW-D156-54-260 GW-D156-54-255 GW-D156-54-250 GW-D156-54-245

GW-BD16/60-330 GW-BD16/60-325 GW-BD16/60-320 GW-BD16/60-315 GW-BD16/60-310 GW-BD16/60-305
GW-BD16/60-300 GW-BD16/60-295 GW-BD16/60-290 GW-BD16/60-285 GW-BD16/60-280 GW-BD16/60-275
GW-BD16/60-270 GW-BD16/60-265 GW-BD16/60-260

GW-BD16/72-400 GW-BD16/72-395 GW-BD16/72-390 GW-BD16/72-385 GW-BD16/72-380 GW-BD16/72-375
GW-BD16/72-370 GW-BD16/72-365 GW-BD16/72-360 GW-BD16/72-355 GW-BD16/72-350 GW-BD16/72-345
GW-BD16/72-340 GW-BD16/72-335 GW-BD16/72-330 GW-BD16/72-325 GW-BD16/72-320

GW-BP16/60-305 GW-BP16/60-300 GW-BP16/60-295 GW-BP16/60-290 GW-BP16/60-285 GW-BP16/60-280
GW-BP16/60-275 GW-BP16/60-270 GW-BP16/60-265 GW-BP16/60-260 GW-BP16/60-255 GW-BP16/60-250
GW-BP16/60-245 GW-BP16/60-240 GW-BP16/60-235

GW-BP16/72-370 GW-BP16/72-365 GW-BP16/72-360 GW-BP16/72-355 GW-BP16/72-350 GW-BP16/72-345
GW-BP16/72-340 GW-BP16/72-335 GW-BP16/72-330 GW-BP16/72-325 GW-BP16/72-320 GW-BP16/72-315
GW-BP16/72-310 GW-BP16/72-305 GW-BP16/72-300 GW-BP16/72-295



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D -Monocrystalline module

P -Polycrystalline module.

BD-Black Monocrystalline module

BP-Black Polycrystalline module

Types of Products will include but not limited to the above.

2、 15 Year Limited Product Warranty

GW warrants the Product(s) to be free from serious visual defects in materials and workmanship which defined in IEC61215、 IEC61730、 UL1703 or cause abnormal power output under normal application and use, installation and service conditions as specified in GW's installation manual for a period of fifteen (15) years from Warranty Start Date (as defined below). Claims under this warranty will be honored only if the Customer can provide the proof that said serious visual defects results exclusively from defects in materials or workmanship or cause abnormal power output occurred during the ten-year period of this warranty under normal application, use, installation and service conditions specified in GW's installation manual. This Limited Warranty does not warrant a specific power output, which shall be exclusively covered under clause 3 hereinafter ("Limited Power Warranty").

Note: Ten years limited warranty for materials or workmanship just includes types of material provided by GW and does not include types of material provided by customers.

Limited Power Output Warranty

- A. Under normal application, use, installation and service condition as specified in GW's installation manual, GW warrants that within a period of twenty-five (25) years after the Warranty Start Date,
- For Polycrystalline Products: within the first year, the output power shall not be less than 97.5 % of the minimum output power in GW's product datasheet, thereafter the loss of output power shall not exceed 0.7% per year, ending with 80.7% in the 25th year.
 - For Monocrystalline Products: within the first year, the output power shall not be less than 96.5 % of the minimum output power in GW's product datasheet, thereafter the loss of output power shall not exceed 0.68% per year, ending with 80.18% in the 25th year.
 - For Polycrystalline Double glass Products: within the first year, the output power shall not be less than 97.5 % of the minimum output power in GW's product datasheet, thereafter the loss of output power shall not exceed 0.5% per year, ending with 83% in the 30th year.
 - For Monocrystalline Double glass Products: within the first year, the output power shall not be less than 96.5 % of the minimum output power in GW's product datasheet, thereafter the loss of output power shall not exceed 0.48% per year, ending with 82.5% in the 30th year.
- B. The DC power of a Product shall be tested at Standard Test Conditions (STC) by the third party accredited by GW (should be the same party with GW applied) which are: [a] light spectrum of AM 1.5, [b] an irradiation of 1,000 Watts per square meter and [c] temperature of 25 ± 2 degrees Centigrade. The measurements are carried out at the junction box terminals per the calibration and testing standards of GW valid at the date of manufacture of the PV Modules in accordance with IEC61215 and IEC60904. The extended measurement uncertainty 2σ (Pmpp) is $\leq \pm 3\%$.



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- C. The remedies set forth in Clause 7 are the sole and exclusive remedies provided under the limited Warranty. Customers shall notify GW or its authorized resellers in writing within 30 business days after the date when the malfunction or defects provided under this warranty have been found.
- D. If the modules are used in high-temperature and high-humidity environment, GW requires the customer to ground the negative end of the inverter, and also ground the module frames (please see the item 7.2 in GW Crystalline Silicon PV Module Products Installation Manual (IEC Version)).

1. Warranty Start Date

The Warranty Start Date shall be defined as the date of installation or 90 (ninety) days after the delivery by GW, whichever date is earlier.

2. Not Independent Warranties

The Customer has the right to pursue claims under each of the warranties set forth above; provided, however, that if claims arise under multiple limited warranties from a single incident, then if GW remedies such incidents as set forth above, GW shall be deemed to have resolved all applicable warranty claims arising from such incident.

3. Exclusions and Limitations

- A. Warranty claims shall be filed in writing to GW or its authorized distributors within the applicable warranting period, without exception.
- B. The Limited Warranty does not apply to any Products which have been subjected to:
 - (1) Alteration, repair or modification without the expressed, prior written consent of GW Solar.
 - (2) Removal of Product(s) and reinstallation at a new site.
 - (3) Non-observance of GW's Installation and User Manual. Particularly in the installation and maintenance, the products are subject to violent collision and trampled by the operator, and products are collided, scratched or squeezed.
 - (4) Misuse, abuse, neglect, or accident in storage, transportation, handling, installation, application, use or service.
 - (5) Electrical surges, lightning, flood, fire, vandalism, tampering, accidental breakage, mold discoloration, or other events beyond GW's control, including without limitation any technological or physical event or condition that is not reasonably known or understood at the time the Customer purchased the Products.
 - (6) Installation on mobile platforms or in a marine environment; direct contact with corrosive agents or salt water; pest damage; or malfunctioning PV system components and other operating conditions, which are not expressly allowed in the Installation and User Manual.
 - (7) Alteration, removal or obliteration of the original Product label.
- C. Warranty claim will not be honored if the type or serial number of the module(s) have been altered, removed or made illegible.
- D. This "Limited Warranty for PV Modules" only applies for the conforming products.
- E. Any additional Products provided, and any Product repaired or replaced, by GW under a warranty claim shall be covered by the same Limited Warranties and terms as the first Products purchased that were the subject of the claim; no warranty periods or terms shall be extended because of a warranty claim or remedy. GW shall make commercially reasonable efforts to replace defective Products with new or refurbished Products of the same or similar size and aesthetics but reserves the right to deliver another Product type in the event that GW has



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discontinued production of the Product type that is the subject of the warranty claim provided, that such other Product type is compatible to the Customer's PV System. Replaced Products and parts shall become the property of GW.

4. Repair, Replacement or Refund Remedy

A. If a Product, under normal application, use and service conditions, fails to conform to this 15 Year Limited Product Warranty during this fifteen-year period, as Customer's sole and exclusive remedy under this Limited Warranty, GW will, in its sole discretion, either, with regard to the applicable Products:

- (1) Refund the Actual Cash Value of the defective Product(s) or the current market price of the relevant new Product(s), For this purpose the Actual Cash Value is defined as the price at the time of purchase of the Product(s) reduced by an amount equal to 3.5% of that price per each 365 day period (and 16% of that price for the first year) following Warranty Start Date until the conclusion of the twenty-fifth period;
- (2) Repair the defective Product(s) at no charge; or replace the defective Product(s) or part thereof by a new or remanufactured equivalent at no charge.

B. If a Product fails to conform to the Limited Power Output Warranty during the warranty period and if such decrease in power is due to defects in materials or workmanship under normal application, use and service conditions, as Customer's sole and exclusive remedy under this Limited Warranty, GW will, in its sole discretion, either, with regard to the applicable Products:

- (1) Repair the defective Product(s) at no charge; or replace the defective Product(s) or part thereof by a new or remanufactured equivalent at no charge;
- (2) Providing Customer with additional Products to make up for such decrease in power, provided, it is possible for the Customer to mount such additional Products;
- (3) Refunding the decrease in power, based on the Actual Cash Value.

In the event that GW opts for options A (ii) or B(i) or B(ii), GW shall bear all insurance and transportation charges (except air freight), customs clearance and any other costs for returning the defective Product(s) to GW and shipping the repaired or replaced Product(s) to Customer. The costs and expenses for their removal, installation or reinstallation shall remain with Customer.

5. Limitation of Warranty Scope

This Limited Warranties as set forth herein are expressly in lieu of and exclude all other express or implied warranties, including but not limited to warranties of merchantability and of fitness for particular purpose, use, or application, and all other obligations or liabilities on the part of GW, unless such other obligations or liabilities are expressly agreed to in writing signed and approved by GW. GW Shall have no responsibility or liability whatsoever for damage or injury to persons or property, or for other loss or injury resulting from any cause whatsoever arising out of or related to the Product(s), including, without limitation, any defects in the module(s), or from use or installation. Under no circumstances shall GW be liable for incidental, consequential or special damages, howsoever caused. Loss of use, loss of profits, loss of production, and loss of revenues are therefore specifically but without limitation excluded. GW's liability, if any, in damages or otherwise, shall not exceed the Actual Cash Value of the product(s) which is the subject of claim or dispute. FOR SALES TO U.S. ONLY: SOME STATES IN THE U.S. DO NOT



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ALLOW LIMITATIONS ON IMPLIED WARRANTIES OR THE EXCLUSION OF DAMAGES BY STATE LAW. SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY FOR YOU.

6. Transferability

This warranty is extended to the original end-user purchaser, and is transferable to any subsequent owner of the location or subsequent holder of the product when Product(s) remain at their original installed location upon satisfactory proof of succession or assignment.

7. Obtaining Warranty Performance

- A. In order to obtain warranty service under the Limited Warranty, the Customer should promptly notify GW regional customer service center. Together with the notification, the Customer should enclose the evidence of the claim, such as the description of the defect, the complete serial number printed on the module label, the picture of the bar code, a copy of commercial invoice and the delivery date of its Products. Should the Products be returned for inspection, repair or replacement by GW, GW will provide the customer a Return Merchandise Authorization (RMA). GW will not accept the return of any modules without a RMA.
- B. If GW determines that the Product is not defective or that a performance deficit is not covered under this warranty, GW will return the Product to Customer at Customer's expense and will have no further obligation for the repair, replacement, or refund.

Obtain GW customer service:

Add: Lot D1-1 Dai Dong- Hoan Son Industrial Zone Hoan Son Commune, Tien Du District Bac Ninh Province VIETNAM

PC: 999100

Tel: (0084)241 2220 668

E-mail: Haidong.zhao@greenwingsolar.com

Web: www.greenwingsolar.com

8. Force Majeure

GW shall not be in any way responsible or liable to the Customer or any third-party for matters arising from any non-performance or delay in performance of any terms and conditions of sale, including this Limited Warranty, due to fire, flood, blizzard, hurricane, thunder, acts of God, changes of public policies, terrorism, war, riots, strikes, unavailability of suitable and sufficient labor or materials and other events which are out of control of GW.

9. Validity

This "Limited Power Warranty for PV Modules" is valid for module(s) dispatched from GW between Jan. 1st 2019 and Dec. 31st 2019.