

LIMITED

WARRANTY

Photovoltaic Module (Double-glass)



1. Limited Product Warranty

SEG Manufacturing Inc. (“SEG”) warrants that, during the Product Warranty Period, its photovoltaic solar PERC and N-Type modules (the “Modules”), including factory-assembled DC connectors and cables, if any, will be free from defects in materials and workmanship under normal application, installation, usage and service conditions (the “Product Warranty”).

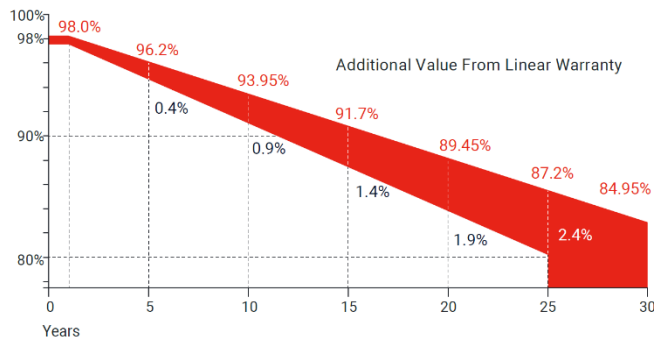
SEG provides a Limited Product guarantee for its modules. The “Limited Product Warranty Period” starting on the earlier of (i) the date of delivery of the Module or (ii) 180 days following the manufacturing date of the Module. For its general double-glass modules¹, SEG provides a Limited Product guarantee for fifteen (15) years from the start date of the warranty. For its special double-glass modules², SEG provides a Limited Product guarantee for thirty (30) years from the start date of the warranty.

2. Limited Peak Power Warranty

SEG warrants that, during the Power Warranty Period, the Peak Power Watts Pmax (Wp) plus Peak Power Watts Pmax (Wp) multiplied by the lower limit of the Power Output Tolerance Pmax (%) as specified in the relevant Module Data Sheet and measured at Standard Test Conditions (STC³) for the Module shall not exceed the maximum loss of power output set forth in the table below (the “Power Warranty” and together with the Product Warranty, the “Limited Warranty”).

SEG provides a Limited Power guarantee for its modules. The “Power Warranty Period” starting on the earlier of (i) the date of delivery of the Module or (ii) 180 days following the manufacturing date of the Module. For its double-glass modules, SEG provides a Limited Power guarantee for thirty (30) years from the start date of the warranty.

LINEAR PERFORMANCE WARRANTY:



For PERC Mono-crystalline Modules, the maximum loss of power output from the Peak Power at STC at

¹ This applies to the following series of PV modules: SEG-XXX-BMZ-BG; SEG-XXX-BMA-BG; SEG-XXX-BMB-BG; SEG-XXX-BMC-BG; SEG-XXX-BMD-BG; SEG-XXX-BTZ-BG; SEG-XXX-BTA-BG; SEG-XXX-BTB-BG; SEG-XXX-BTC-BG; SEG-XXX-BTD-BG; SEG-XXX-BTE-BG; SEG-XXX-BHC-BG.

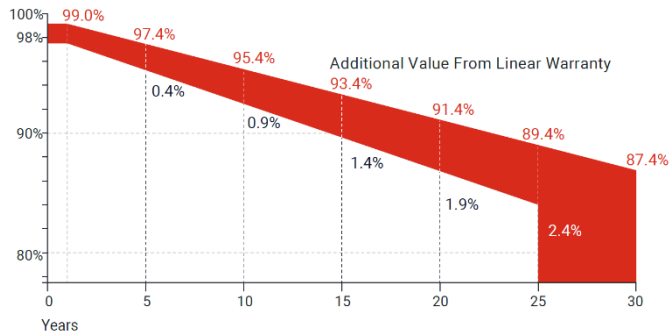
² This applies to the following series of PV modules: SEG-XXX-BMD-BG(Black); SEG-XXX-BTD-BG(Black); SEG-XXX-BTE-BG(Black).

Remark: Specific warranty period, see Table 1 for details.

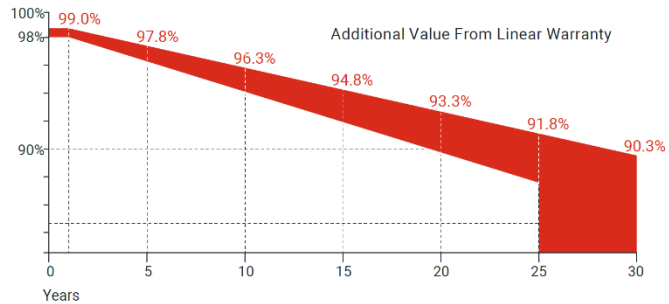
³ “Peak Power at STC” is the power in Watt peak that a PV- module generates in its Maximum Power Point. “STC” is defined as follows:

- (1) light spectrum of AM 1.5,
- (2) an irradiation of 1000 W per m²,
- (3) a cell temperature of 25 degree 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 SEG valid at the date of manufacture of the PV-modules.

the end of each year of the Power Warranty Period shall not be greater than (i) 2.0% plus (ii) 0.45% multiplied by the number of years after the end of the first year of the Power Warranty Period (ending with no less than 84.95% at the end of the Power Warranty Period).



For N-Type Mono-crystalline Modules, the maximum loss of power output from the Peak Power at STC at the end of each year of the Power Warranty Period shall not be greater than (i) 1.0% plus (ii) 0.4% multiplied by the number of years after the end of the first year of the Power Warranty Period (ending with no less than 87.4% at the end of the Power Warranty Period).



For HJT Mono-crystalline Modules, the maximum loss of power output from the Peak Power at STC at the end of each year of the Power Warranty Period shall not be greater than (i) 1.0% plus (ii) 0.3% multiplied by the number of years after the end of the first year of the Power Warranty Period (ending with no less than 90.3% at the end of the Power Warranty Period).

3. Warranty Remedies

(a) Notification

Buyer must provide written notice of any claims under this Limited Warranty within the earlier of:

- (i) five (5) Business Days of becoming aware of the claim;
- (ii) the end of the Product Warranty Period or Power Warranty Period, as applicable.

All claims shall be filed by mailing a registered letter to the address of SEG listed below or sending a letter to the email account of SEG listed below. Together with the notification, Buyer must enclose photographic or empirical evidence of the claim with the corresponding serial number of the Module(s) and the date on which the Module(s) were delivered.

Buyer shall preserve any defective Modules and shall not disassemble the Module or remove any components from the Module. SEG shall be entitled to access and inspect any defective Modules. Upon request of SEG, Buyer shall send any defective Modules to SEG or a third party designated by SEG for inspection.

As a condition to the Product Warranty and the Power Warranty, Buyer must maintain complete and accurate records respecting the maintenance of the Modules and shall provide the maintenance log files to SEG upon request. The failure of Buyer to provide such maintenance records and log files shall be a basis for rejection of any claim under the Product Warranty and/or the Power Warranty.

(b) Remedies for Breach of Warranty.

(1) Limited Product Warranty. If the Modules fail to conform to the Product Warranty, SEG will, at its option: (i) repair the Modules, (ii) replace the Modules with conforming Modules, or (iii) provide a refund equal to the lower of (x) the amount paid by Buyer for the Modules or (y) the cost of replacing the Modules with substitute modules. If SEG fails to remedy a defect in a Module within ninety (90) days following confirmation of the defect, Buyer may elect to engage a qualified third party to repair the Modules at the expense of SEG after five (5) Business Days written notice to SEG. Buyer shall assign any warranties for the Modules received from such third parties to SEG. Any Modules provided in replacement of defective Modules shall have the same or better technical specifications and power output as the replaced Modules. SEG may repair or replace Modules with newly refurbished parts that perform in a manner substantially equivalent to new parts.

(2) Limited Peak Power Warranty. If the Modules fail to conform to the Power Warranty, SEG will, at its option: (i) repair the Modules, (ii) replace the Modules with conforming Modules, (iii) pay to Buyer the amount of revenue that Buyer would have received pursuant to its power purchase or similar agreements for the difference between the warranted output power and the actual output power for the remainder of the earlier of (x) the term of the power purchase or similar agreement or (y) the Power Warranty Period, in either case discounted to net present value at the rate of 9% per annum; or (iv) supply Buyer with the number of additional Modules required to compensate for the difference between the warranted power output and the actual output power of the defective Modules.

SEG may replace a Module with another type of Module (different in size, color, shape or power) if SEG has discontinued producing the defective Module at the time of the claim.

4. Exclusions and Limitations

The Product Warranty and the Power Warranty shall not apply to any Modules which have been directly or indirectly damaged due to:

- force majeure, including acts of God, war, riots, strikes, warlike conditions, plague or other epidemics, fire, lightning, flood, storms, ice, hail, corrosion or any other similar causes or circumstances beyond the reasonable control of SEG (“Force Majeure”);
- use of the Modules in environmental conditions outside the operating parameters set forth in the Specifications;
- alteration, misuse, abuse, breakage, neglect or accident by Buyer or any third party for which SEG is not responsible;
- failure to install the Modules in accordance with the installation manual and other written instructions provided by SEG;
- failure to operate the Modules in accordance with the operating and user manual and other written instructions provided by SEG;

- repair or modifications by Buyer or any third party not approved in advance by SEG; or power failure surges.

SEG 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 term and condition of sale, including this Limited Warranty, due to Force Majeure. In such cases, SEG's performance of this Limited Warranty shall be suspended without liability for the period commensurate with the delay caused by such Force Majeure.

Warranty claims will not be honored if the serial number of the Modules have been altered, removed or made illegible.

The warranties for any repaired, replaced or additional supplied Modules shall continue through the end of the Product Warranty Period or the Power Warranty Period, as applicable, for the original Module.

SEG will pay for the shipping costs for delivery of repaired, replaced or additional Modules, including costs of customs clearance and transit insurance. Buyer shall be responsible for any costs associated with the removal of defective Modules and the installation and/or reinstallation of repaired, replaced or additional Modules provided in compliance with the terms of this Warranty. Unless otherwise requested by SEG, Buyer shall not return any defective Modules to SEG.

SEG reserves the right to:

- (i) make changes and improvements in its equipment and products without incurring any obligation to make such changes and improvements to the Modules;
- (ii) change the terms of the warranty it provides to third parties in the future without incurring any right or obligation to make the revised terms applicable to the Modules.

5. Limitation of Warranty Scope

The remedies set forth in this Limited Warranty are the sole and exclusive remedies of Buyer and are expressly in lieu of and exclude all other express or implied warranties, including warranties of merchantability and of fitness for particular purpose, use (usage) or application, and all other obligations or liabilities on the part of SEG.

SEG 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 Modules, including any defects in the Module, or from usage or installation.

To the maximum extent permitted under applicable law, under no circumstances shall SEG be liable for incidental, consequential or special damages, howsoever caused, including loss of usage, loss of profits, loss of production, and loss of revenues. SEG's aggregate liability, if any, in damages or otherwise, shall not exceed the amount paid by Buyer for the single unit of Module.

6. Disputes

In case of any dispute with respect to a warranty-claim or whether a claim is subject to exclusion, SEG and Buyer shall engage a reputable international test-institute such as Fraunhofer ISE, TÜV Rheinland, TÜV SÜD or other independent third party designated by SEG to resolve the dispute. The decision of the test-institute shall be final and conclusive.

If it is determined that a defect exists for which SEG is responsible under this Limited Warranty then SEG

shall pay all fees and expenses of such test-institute. If it is determined that a defect does not exist or that SEG is not responsible for the defect under the Limited Warranty then Buyer shall pay all fees and expenses of such test-institute.

7. Warranty Transfer; Validity; Claims

This Limited Warranty is transferable to a third party upon prior written notice to SEG provided that the Module has not been installed or remains installed in its original location of installation.

This Limited Warranty will become null and void if the Module is installed outside of the United States or is removed and reinstalled after its initial installation. All customers, direct and indirect, are hereby notified of such potential nullification.

This Limited Warranty will become null and void if any of the following are true:

1. the installation of the Module was not fully compliant with SEG manuals, code, permitting, utility interconnection requirements, or industry practice;
2. there has been an unauthorized repair, removal, reinstallation, modification, or mishandling of the Module;
3. the root cause of a problem on the Module cannot be distinguished from improper installation, maintenance, storage, transport, environmental exposure, or third-party work;
4. the connectors on the Module are mismatched.

In addition to the above, for all residential customers, this Limited Warranty is transferable to a subsequent homeowner upon prior written notice to SEG and provided that all of the following conditions have been met before such proposed transfer:

1. the original installation of the Modules was performed by a qualified solar installer;
2. the original installer was duly licensed/certified under all applicable laws in the State of installation;
3. the residential customer provides to SEG written proof of: (a) installation by the original installer; and (b) the commissioning date, residence address, relevant invoices;
4. the residential customer provides to the original installer written confirmation about the transfer of the Limited Warranty to the subsequent homeowner.

For a Buyer to make a claim under the Limited Warranty, all of the following must have occurred:

1. Buyer has submitted a Claim qualification package with the following information included:
 - serial number of the Modules;
 - photos of the Modules;
 - proof of purchase and/or proof of chain of sale if residential customer is not the original purchaser;
 - site address where the Modules are installed;
 - date on which the Modules were installed;
 - name and contact information for the original installer;

- whether electrical work was done by licensed electrician as required;
 - proof of installation consistent with the requirements in the SEG manual;
 - proof of purchase chain from distribution to installer to homeowner, as applicable;
 - diagnostic data as requested by SEG.
2. Upon receipt and review of a fully compliant Claim, SEG has the right, at its sole option, to repair, replace or issue a credit / refund for the affected Modules.
3. Claimant accepts that SEG has the absolute right to select the remedy for a fully compliant Claim.
4. If SEG selects a credit or refund in response to the submission of a fully compliant Claim, then:
- (a) the amount of such credit or refund will be equal to the net selling price in SEG's records, including for depreciation (as set forth below), and not the invoice price paid by the Buyer or residential customer;
 - (b) SEG will make such credit or refund to only to the authorized distributor/dealer in the sales chain of SEG unless SEG expressly agrees in writing otherwise.

Depreciation can be any of the following, as SEG decides:

- (i) straight-line depreciation;
- (ii) fixed depreciation formula equal to either:
 - original SEG net selling price allocable to the Module, less straight-line depreciation from warranty start date through approval date of Claim;
 - credit based on actual warranted shortfall under a defined formula, not full module value unless threshold is met.

5. All of the following are not included in the Limited Warranty unless SEG expressly agrees so in writing:

- labor
- removal
- reinstallation
- shipping
- taxes
- inverter work
- BOS costs
- permitting
- inspection
- roof repair
- travel
- storage

- roof leaks
- lost energy
- lost profits
- incidental and consequential damages

8. Contact

Please contact your licensed/qualified installer or distributor about any issues related to this Limited Warranty. If your installer or distributor are unable to resolve a specific issue, then contact the Customer Service Department of SEG at:

SEG Manufacturing Inc.

10625 Telge Road,
Houston, TX 77095

Email: info@SEGsolar.com

9. Severability

If any part, provision or clause of this Limited Warranty, or the application thereof to any person or circumstance, is held invalid, void or unenforceable, such holding shall not affect any other parts, provisions, clauses or applications of this Limited Warranty, and to this end such other parts, provisions, clauses or applications of this Limited Warranty shall be treated as severable.

REMARK: Types of Modules covered by this Limited Warranty

Series	Module type	Limited Product Warranty Period(years)	Limited Power Warranty Period(years)
ZION	SEG-XXX-BMA-BG_166	15	30
YUKON	SEG-XXX-BMA-BG_182	15	30
YUKON	SEG-XXX-BMB-BG_182	15	30
YUKON	SEG-XXX-BMD-BG_182(Full Black)	30	30
YUKON	SEG-XXX-BMZ-BG_182	15	30
YUKON N	SEG-XXX-BTA-BG_182	15	30
YUKON N	SEG-XXX-BTB-BG_182	15	30
YUKON N	SEG-XXX-BTD-BG_182(Full Black)	30	30
YUKON N	SEG-XXX-BTZ-BG_182	15	30
ALPINE	SEG-XXX-BMB-BG_210	15	30

ALPINE	SEG-XXX-BMC-BG_210	15	30
ALPINE N	SEG-XXX-BTB-BG_210	15	30
ALPINE N	SEG-XXX-BTC-BG_210	15	30
ALPINE N	SEG-XXX-BTC-BG_210R	15	30
ALPINE N	SEG-XXX-BT-BG_210R(Full Black)	30	30
ALPINE N	SEG-XXX-BTE-BG_210R(Full Black)	30	30
SIERRA N	SEG-XXX-BHC-BG_210	15	30

Table 1. Types of Modules covered by this Limited Warranty*

*If you cannot find your module in this table, please contact SEG.



SEG MANUFACTURING INC.

Email: info@segsolar.com

Web: www.segsolar.com

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