

Limited Warranty for Heterojunction Photovoltaic Modules

This limited warranty for heterojunction photovoltaic modules is only applicable to the following heterojunction photovoltaic module series (hereinafter referred to as "modules") of Anhui HUASUN Energy Co., Ltd. (hereinafter referred to as "HUASUN")

Wafer Size	Cell Quantity	Model
M6	120	HS-B120DS
		HS-B120DSB
		HS-B120DSN
		HS-S120DSB
		HS-S120DS
		HS-B120DN
		HS-B120DNN
		HS-B132DS
	132	HS-B132DSB
		HS-B132DSN
		HS-S132DS
		HS-B132DN
		HS-B132DNN
		HS-B144DS
	144	HS-B144DSN
		HS-B144DSB
		HS-S144DS
		HS-B144DN
		HS-B144DNN
	156	HS-B156DS
		HS-B156DSN
		HS-B156DSB
G10	108	HS-182-B108DS
		HS-182-B108DSB
		HS-182-B108DSN
		HS-182-S108DSB
	144	HS-182-B144DS
G12R	96	HS-210R-B96DS
		HSN-210R-B96DS
		HS-210R-B96DSB
		HSN-210R-B96DSB
		HS-210R-B96DSN

	108	HSN-210R-B96DSN
		HS-210R-S96DSB
		HSN-210R-S96DSB
		HS-210R-B108DS
		HSN-210R-B108DS
		HS-210R-B108DSB
		HSN-210R-B108DSB
		HS-210R-B108DSN
		HSN-210R-B108DSN
	132	HS-210R-S108DSB
		HSN-210R-S108DSB
G12	110	HS-210R-B132DS
		HSN-210R-B132DS
	120	HS-210-B110DS
		HSN-210-B110DS
	132	HS-210-B120DS
		HSN-210-B120DS
	132	HS-210-B132DS
		HSN-210-B132DS

1. Warranty start date

HUASUN guarantees the performance of its modules to the Buyer (hereinafter referred to as "Customer") who directly purchases the above-mentioned series of modules from HUASUN or its authorized distributors for self-use, The warranty period starts from (1) the date of delivery of the module to the customer (subject to the presentation of the original delivery certificate and payment certificate by the customer), or (2) the expiration date of six months after the module leaves HUASUN Production Plant, whichever is earlier ("Warranty Start Date").

2. Limited product quality assurance-repair, replacement or refund compensation within fifteen years

HUASUN guarantees that its modules do not have major defects in design, materials and process that can affect the performance of modules under the conditions of routine application, installation, use and service (including maintenance) after complying with the standards listed in the module installation manual and other technical data provided by HUASUN. Major defects do not include normal wear and tear.

Anhui Huasun Energy Co., Ltd.

Address: No.99 Qingliu Road, Xuancheng Economic and Technological Development Zone, Anhui Province Zip Code: 242000

Tel: +86-025-8621 6170 E-mail: sales@huasunsolar.com

All rights reserved © 2024 Version 1.7 Huasun Energy

If the module is within fifteen (15) years after the warranty commencement date, The quality assurance requirements are not met, After being confirmed in writing by HUASUN or inspected and confirmed by an independent third-party testing institution selected and confirmed in advance by HUASUN and the Buyer, HUASUN can choose to repair, replace or refund the corresponding amount at the price when the modules are sold, and deduct the annual depreciation loss (the expected service life of the modules is 30 years, and the annual depreciation loss is 3.3%). Repair, replacement or refund unilaterally selected by HUASUN is the only and exclusive compensation measure under the limited warranty of this product quality, and shall not exceed the warranty period stipulated in this limited warranty.

This "limited warranty of product quality" does not guarantee the specific output power of the modules, and the output power warranty is in accordance with the provisions of Article 3 below ("limited electrical performance warranty").

3. Guarantee of limited electrical performance-limited compensation within 30 years

The actual output power of the assembly can only be measured under standard test conditions (STC), and the measurement shall be performed by HUASUN or a third-party measuring organization designated by HUASUN and carried out at the connector or junction box terminal according to IEC 61215. The standard test conditions are: (a) radiation intensity 1000W/m, (b) assembly temperature 25 °C under right-angle radiation, and (c) spectrum AM1.5.

HUASUN guarantees that the natural attenuation of power output of modules will remain at the following levels within thirty (30) years from the warranty commencement date:

- (i) The actual power attenuation of the module shall not exceed 1% in the first year;
- (ii) From the 2nd year, the average annual attenuation of actual power shall not exceed 0.3%; By the 25th year, the actual power output shall not less than 91.8% of the rated power. By the 30th year, the actual power output shall not less than 90.3% of the rated power.

If, at the discretion of HUASUN, within thirty (30) years after the warranty commencement date, the actual output power attenuation of any module that fails to provide warranty is caused by the quality defect of the module, HUASUN may replace the compensation by any of the following methods at its own choice:

- (a) Provide customers with additional modules to compensate for power loss;
- (b) Replacing defective modules or parts with modules or parts of the same function.

The compensation provided for in this Article 3 shall be the only and exclusive compensation for the Limited Electrical Performance Guarantee.

4. Scope of warranty

Unless HUASUN explicitly agrees, signs and approves other

obligations and responsibilities in writing, The Limited Warranty for Heterojunction Photovoltaic Modules stipulated in this article explicitly replaces and excludes all other express or implied warranties (including but not limited to commercial warranties and warranties applicable to special purposes, uses or applications), as well as all other obligations and responsibilities of HUASUN.

HUASUN shall not be liable for personal injury or property damage, and shall not be liable for other losses or injuries caused by or related to modules (including but not limited to any defects in modules, any defects in the use and installation of products).

Under no circumstances shall HUASUN be liable for collateral, indirect, punitive or special losses caused by any cause. HUASUN is not responsible for any loss of utility, production, income and profit. If HUASUN assumes damages or other liabilities to the customer, its accumulated liability shall not exceed the invoice value of defective modules paid by the customer.

5. Performance of warranty

The customer shall bear the burden of proof for his claim. If the customer believes that the modules do not meet the limited product quality warranty or limited electrical performance warranty (hereinafter referred to as the "warranty"), the customer shall promptly and within 30 days from the date of becoming aware of such information, inform HUASUN in writing through the email address listed below, and the notice shall contain the following information: (a) the claimant; (b) A detailed description of the situation; (c) Supporting materials, including photographs or data; (D) Serial numbers of relevant modules; (e) The warranty commencement date; (F) Module type; (G) Location of modules; (H) A clearly identifiable sales contract or payment voucher; (i) Other supplementary certification materials required by HUASUN; And (j) provide modules that do not meet the warranty requirements upon the request of HUASUN.

Without the prior written authorization of HUASUN, the return of any modules will not be accepted. According to the Limited Product Quality Assurance and Limited Electrical Performance Assurance, HUASUN shall compensate the customer for the usual, reasonable and recorded shipping freight for returning and re-transporting or replacing the products, but the freight must be approved by HUASUN Customer Service Department.

6. Exclusion and restriction

(1) In any case, all warranty requirements must be received within the validity period of the warranty.

(2) "Limited Product Quality Assurance" and "Limited Electrical Performance Assurance" do not apply to modules where:

- (a) Misuse, abuse, negligence or accident;
- (b) Alteration, improper installation or application;

(c) Failure to comply with HUASUN's installation manual or maintenance requirements;

(d) Without HUASUN's approval, it is applied in extreme environment (such as extremely hot and humid), high-density dust environment, environment affected by chemical products, or the application environment changes rapidly, causing corrosion and oxidation of products to be repaired or adjusted by people other than service technicians approved by HUASUN;

(e) Power failure surge, lightning, flood, fire, accidental damage or other events outside HUASUN's control;

(f) Change the original assembly installation place or installation structure;

(g) Repair or adjustment by people other than service technicians recognized by HUASUN;

(3) The "Limited Product Quality Warranty" and "Limited Electrical Performance Warranty" do not include any costs related to the installation, removal or reinstallation of modules, and (unless expressly stipulated in the last paragraph of Article 5) customs duties, transportation costs, and any other costs related to the return of modules.

(4) If the type number and serial number of modules are changed, removed or difficult to identify without the written authorization of HUASUN, the warranty claim will not be supported.

7. Notice

Any notice under this Limited Warranty for Heterojunction Photovoltaic Modules shall be made in writing. Notifications sent by e-mail should be sent to sales@huasunsolar.com. If requested by HUASUN, customers should provide their contact information in time. For the avoidance of doubt, a notice sent by e-mail alone does not constitute a qualified notice required by this article.

8. Separability

If any part, clause or provision of this Limited Warranty for Heterojunction Photovoltaic Modules or its application to any person or circumstance is deemed invalid or unenforceable, The validity of other parts, clauses, clauses or applications of this Limited Warranty for Heterojunction Photovoltaic Modules shall not be affected, and therefore other parts, clauses or applications of this Limited Warranty for Heterojunction Photovoltaic Modules shall be regarded as separable.

9. Transferability

The terms of this Limited Warranty for Heterojunction Photovoltaic Modules are applicable to end users, and can be transferred if the installation position of the modules remains unchanged and the inheritance or transfer relationship can be fully proved, and will continue to be valid for the remaining warranty period of this limited warranty.

10. Law and dispute resolution

Any inconsistencies arising from warranty claims shall be finally determined by world-class testing institutions such as T V SUD, Interket, UL, CQC and CGC. Unless otherwise stipulated in the award, all expenses shall be borne by the losing party. The final interpretation right belongs to HUASUN.

Any dispute settlement shall be governed by the applicable law agreed in the sales contract signed by both parties.

11. Other provisions

The repair and replacement of modules or the supply of additional modules will not lead to the beginning of a new warranty period, nor will the original warranty period stipulated in this Limited Warranty for Heterojunction Photovoltaic Modules be extended. Any replacement modules are the assets of HUASUN and shall be disposed of by HUASUN at its sole discretion. If Hua Sheng has stopped producing the products to be replaced at the time of claim, it has the right to supply other types of products (different models, colors, shapes or powers).

12. Force majeure

HUASUN for force majeure events, Including but not limited to natural disasters, wars, riots, strikes, war situations, plagues or other infectious diseases, fires, floods, As well as any non-performance or delayed performance of sales terms and agreements (including this Limited Warranty for Heterojunction Photovoltaic Modules) caused by similar reasons or circumstances outside HUASUN's control, it shall not be liable to customers or third parties in any way. Under such circumstances, HUASUN shall suspend the performance of this limited warranty and shall not be liable for any delay caused by such reasons during this period.

13. Effectiveness

This Limited Warranty for Heterojunction Photovoltaic Modules is valid for all modules delivered by HUASUN Factory from January 1, 2024 to December 31, 2025.