



LIMITED WARRANTY FOR CRYSTALLINE PV MODULES

THE POWER OF ASTROENERGY



ASTROENERGY

A **CHNT** COMPANY

LIMITED WARRANTY FOR CRYSTALLINE PV MODULES

Astronergy/Chint Solar provides limited warranty to purchasers (hereafter referred to as the “customer”) of Astronergy Crystalline products. The terms of the limited warranty are as follows:

1. Limited Product Warranty – Ten Year Repair, Replacement or Refund Remedy

Astronergy warrants its Crystalline photovoltaic solar modules (hereafter referred to as “modules”), including factory-assembled DC connectors and cables, if any, to be free from defects in materials and workmanship under normal application, conditions, use, installation, and maintenance, within a period of 120 months from the day of installation at the first application, (hereafter referred to as the “warranty start date”).

If a module is found defective in material or workmanship, Astronergy will, at its sole discretion, repair or replace the module, or refund the purchase price as paid by the customer within the above specified period according to the type of defect. For clarification purpose: “material or workmanship defects” are defined per IEC 61215 Clause 7, IEC 61215 Clause 10.1 and IEC 61730 Clause 10.1 for visual defects, and per IEC 61215 entire Clause 10 for electrical and mechanical defects. .

The options to repair or replace defective modules, or refund the purchase price are the only and exclusive remedies guaranteed under this Limited Warranty for Crystalline PV Modules and shall not extend beyond the period of 120 months set forth here. Remedies will be performed directly to the customer only. This Limited

Warranty for Crystalline PV Modules does not warrant a specific power output, which shall be exclusively covered under Clause 2 hereinafter (“Limited Peak Power Warranty – Limited Remedy”).

2. Limited Peak Power Warranty – Limited Remedy

Astronergy provides two solutions of peak power warranty base on the product types and contract terms as below:

① Standard Peak Power Warranty

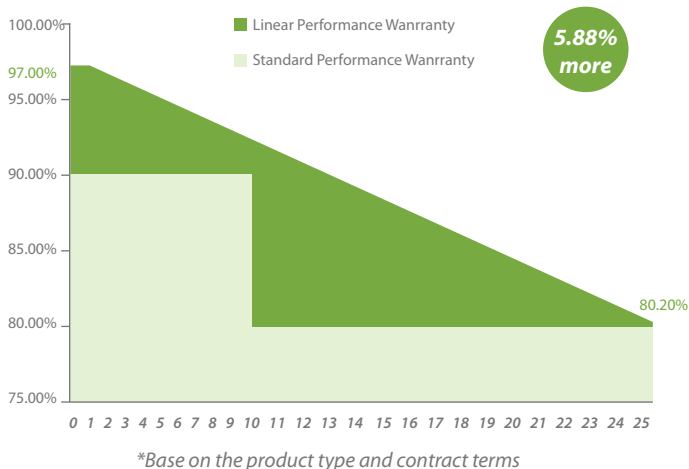
Astronergy warrants that any module(s) exhibits a power output no less than 90% of the nominal peak power at Standard Testing Conditions (STC, defined as: (a) light spectrum of AM 1.5, (b) an irradiation of 1000 W per m² and (c) a cell temperature of 25 degrees Celsius at right angle irradiation.) specified on the respective datasheet within a period of 10 years from the warranty start date, or any module(s) exhibits a power output no less than 80% of the nominal peak power at STC specified on the respective datasheet within a period of 25 years from the warranty start date.

② Linear Peak Power Warranty

Astronergy warrants that module(s) exhibits a power output no less than 97% of the nominal peak power at STC specified on the respective datasheet within the first year from the warranty start date, or power output decline

exhibits no more than 0.7%/ year of the nominal peak power at STC specified on the respective datasheet from the 2nd year to 25th year.

Astronergy Warranted Power Output



For the above such loss in power measured by Astronergy facility or the 3rd party testing institute recognized from both sides, it is determined by Astronergy (at its sole and absolute discretion) to be due to defects in material or workmanship, is eligible for claim under this Limited Warranty for Crystalline PV Modules. Astronergy will replace such loss in power by either providing additional modules to the customer to make up for such loss in power, or by repairing or replacing the defective modules at the discretion of Astronergy.

The remedies set forth in this Clause 2 shall be the sole and exclusive remedies provided under the “Limited Peak Power Warranty – Limited Remedy”.

CAVEAT: Any power measurement mentioned herein shall be subject to ±3% deviation of uncertainty due to the different measurement equipment being utilized.

3. Warranty Exclusions and Limitations

A. In any event, all warranty claims must be filed in accordance with the instructions outlined in Clause 4 of

this Limited Warranty for Crystalline PV Modules, within the applicable warranty period.

B. The Limited Warranty for Crystalline PV Modules does not apply to any modules which have been subjected to:

- Misuse, abuse, neglect or accident;
- Alteration, disassemble, reinstallation, and/or improper installation or application;
- Non-observance of Astronergy’s installation and maintenance instructions;
- Repair or modifications by persons that have not been previously authorized or approved by Astronergy;
- Failures caused by surrounding equipment of the module;
- Use under unusual conditions or environments that deviate from the product specifications and installation manual;
- Use for purposes unrelated to the generation of solar power;
- Connection with any other manufacturer’s PV modules, or Astronergy modules that are a different model or have different power output specifications;
- Defects occurring during transportation or storage after the modules have been delivered to the customer;
- Naturally occurring scratches, stains, mechanical wear, rust, degradation, discoloring, or other alteration occurring after the shipment from Astronergy that have no effect on the power generation performance or mechanical strength of the module, but not limited to the below visual alteration during the related warranty period:
 - a. Non-significant discoloration of laminate.
 - b. Non-significant loss of glass transparency.
 - c. Non-significant increase of surface roughness.
 - d. Non-significant frame damage due to environmental stress.

- e. Non-significant damage of junction box due to environmental stress or indication of corrosion.
 - f. Non-significant damage of connectors and cables due to environmental stress or indication of corrosion.
 - g. Non-significant damage of frame fixation due to environmental stress.
- Power failure surges, flood, fire, accidental breakage or other events caused by force of nature, force majeure, or other unforeseeable circumstances outside the range of influence of Astronergy.
- C. The Limited Warranty for Crystalline PV Modules does not cover any transportation charges, customs clearance or any other costs for return of the modules, for reshipment of any repaired or replaced modules, or costs associated with installation, removal or reinstallation of the modules.
- D. Warranty claims will not be honored if the type or serial number of the modules have been altered, removed or made illegible.
- E. Astronergy 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 modules, including, without limitation, any defects in the modules, or from use or installation. Under no circumstances shall Astronergy be liable for incidental, consequential, loss of use, loss of profits, loss of revenues, loss of production or special damages. Astronergy's aggregate liability, if any, in damages or otherwise, shall not exceed the invoice value against the affected modules as paid for by the customer.

4. Obtaining Warranty Performance

- A. Warranty claims should be sent to (a) the dealer who sold the modules, or (b) the authorized Astronergy

distributor who sold the modules, or (c) Astronergy at the address above.

B. Warranty claims must be sent by registered mail or courier. The claims must include the serial number of the defective module(s), accompanied by a copy of the relevant invoice and purchase contract, and must state: "We hereby accept, and agree to, the choice of law, the choice of an expert appraiser and the choice of arbitration as set out in Clause 6 of your Limited Warranty for Crystalline PV Modules on which our claim is based." Together with the notification, the customer should enclose evidence of the date of sale on which the modules were purchased. Incomplete notifications claims that do not meet the notification deadline of Clause 4, Section C will not be processed.

C. Any claim under this limited warranty shall be forfeited if (a) the customer does not notify Astronergy or their distributors of such claim in writing in accordance with Clause 4 paragraph A within twenty (20) days after discovering or after the customer should have discovered, the defect claimed under warranty; or (b) the customer does not commence court or arbitration action within six (6) months after proper notification of the claim.

D. Astronergy reserves the right to deliver another type of module (different in size, form, color, shape and/or power) to replace the claimed one if it is no longer in production when the warranty claim is received.

E. The repair, replacement, or additional delivery of a module neither renews nor extends the period of the warranty.

F. Any claimed/defective product that has been replaced by Astronergy shall become the property of Astronergy. The claimed/defective product shall be returned or otherwise disposed of in accordance with the instructions of Astronergy and at the customer's expense.

5. Severability

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

6. Disputes

No action, regardless of form, arising out of or in any way connected with this Limited Warranty for Crystalline PV Modules, maybe brought against Astronergy more than six (6) months after the cause of action has occurred.

In the case of a dispute in a warranty claim, a first-class international institute designated by Astronergy such as Fraunhofer ISE in Freiburg, Germany or TÜV Rheinland in Cologne, Germany shall be involved to judge the claim. All fees and expenses shall be borne by the losing party, unless otherwise awarded. The final right of interpretation shall be borne by Astronergy.



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