

# PV MODULE WARRANTY

## FOR 54/60 MODULES



Dear client:

Thank you for purchasing the products manufactured by DAH Solar Co., Ltd. The products covered by the limited warranty of PV modules are:

**Modules that must be labeled with DAH Solar logo**

**The installation location of purchased modules must be notified to DAH Solar within 3 months from the date of installation**

### ☑ 25-year Limited Product Warranty

DAH Solar guarantees the production of photovoltaic solar N-type single glass or double glass modules (referred to as "modules"), including factory assembled DC connectors and cables, are free from defects in materials and workmanship under normal application, installation, use and service conditions. If the module does not meet this quality guarantee, DAH Solar will unilaterally decide to repair or replace the product or refund the customer at the prevailing market price of the module within 300 months from the date of delivery. Repair, replacement or refund shall be the sole and exclusive remedy provided under the Limited Product Warranty and shall not exceed the period of 300 months specified herein. This "Limited Product Warranty" does not include specific power output (this item will only be specified in Article 2 "Limited Peak Power Warranty" below).

### ☑ Limited Peak Power Warranty-Limited Remedies:

DAH Solar also guarantees that the loss of the initial guaranteed power, the product of the maximum peak output power and the minimum tolerance of the modules as specified in the relevant product specifications and determined in accordance with the product Standard Test Conditions (STC) does not exceed:

Single crystal N-type single-sided or double-sided or double-glass products: the loss is 1.0% in the first year, and 0.4% every year thereafter. The power output efficiency in the 30th year after the warranty date is calculated is not less than 87.4%.

If the output power of any module is lower than the nominal power value specified in the report of DAH Solar, and DAH Solar determines that the loss of power is due to raw material or process defects, DAH Solar will, at its sole discretion:

- (1) Provide additional modules to customers to compensate for power losses, or replace defective modules to eliminate power losses.
- (2) According to the difference ratio between the power output and the nominal power value specified in DAH Solar's product data, the cost of modules shall be returned to the customer in the same proportion (calculated according to the current market price of modules). The remedies specified in this Article 2 are the only and exclusive remedies under the Limited Peak Power Warranty.
- (3) DAH Solar's warranty OEM photovoltaic module can be repaired or replaced by DAH Solar within 25 years after the warranty period, provided that the normal installation, use and maintenance fully meet the requirements of the module installation instruction manual, and the hidden dangers and defects caused by DAH Solar's production process, such as the quality problems caused by DAH Solar's production process confirmed by a third party during the warranty period (except the quality problems caused by material problems).

### ☑ Scope Application of Warranty: Including but not Limited to the Following Models

1. DHN-54X16	9. DHN-54R18/FS	17. DHN-60R18
2. DHN-54X16/DG	10. DHN-54R18/DG/FS	18. DHN-60R18/DG
3. DHN-60X16	11. DHN-54R20	19. DHN-60R18/FS
4. DHN-60X16/DG	12. DHN-54R20/DG	20. DHN-60R18/DG/FS
5. DHN-54X16/FS	13. DHN-54R20/FS	21. DHN-60R20
6. DHN-54X16/DG/FS	14. DHN-54R20/DG/FS	22. DHN-60R20/DG
7. DHN-54R18	15. DHN-60X16/FS	23. DHN-60R20/FS
8. DHN-54R18/DG	16. DHN-60X16/DG/FS	24. DHN-60R20/DG/FS

## Exclusions and Limitations

(1) In any case, all warranty claims must be made within the corresponding warranty period.

(2) Limited Product Warranties and Limited Peak Power Warranties for modules do not apply to modules that:

- ◆ Misuse, abuse, negligence or accident;
- ◆ Improper transportation, storage or operation;
- ◆ Modification, improper installation or use;
- ◆ Do not follow DAH Solar installation and maintenance instructions;
- ◆ Non-DAH Solar recognized maintenance and technical personnel maintenance or modification;
- ◆ Installed in the mobile place or in the Marine environment;
- ◆ Lightning, flood, fire, accidental damage, or other uncontrollable events.

(3) Neither the Limited Product Warranty nor the Limited Peak Power Warranty covers: costs associated with the installation, disassembly or reinstallation of PV modules (except as specifically specified in the last paragraph of Item 5); Return any customs clearance or any other charges incurred by the PV modules.

(4) Warranty requests will be denied when the module model or serial number is changed, removed, or unrecognizable.

(5) The scope of application of the warranty, unless DAH Solar expressly agrees, signs and acknowledges other obligations and liabilities in writing, the "limited warranty of photovoltaic modules" specified herein expressly replaces and excludes all other express or implied warranties (including but not limited to commercial warranties, warranties applicable to special purposes, purposes or applications), as well as all other obligations or liabilities of DAH Solar. DAH Solar is not liable for personal injury or property damage, nor for other losses or injuries caused by or related to the modules (including but not limited to any defects of the modules, any defects arising from use and installation). Under no circumstances shall DAH Solar be liable for incidental, indirect or special losses caused by any reason. DAH Solar shall not be liable for any loss of utility, production, income or profit. If DAH Solar undertakes damage or other liabilities to the customer, its cumulative liability shall not exceed the invoice value of the single module paid by the customer.

## Performance of Warranty

If the customer believes that a valid warranty claim can be made under the "Limited Warranty for PV Modules", the Customer shall immediately send a written notice directly by registered mail to DAH Solar at the address below, or send an E-mail to DAH Solar at the email address below. The customer shall attach the certificate of warranty, corresponding module serial number and date of purchase with the notice. An invoice clearly showing the date of purchase, purchase price, module model, seal or signature of DAH Solar or its distributor shall also be provided as evidence. Returned PV modules will not be accepted without prior written authorization from DAH Solar. Under the "Limited Product Warranty" and "Limited Peak Power Warranty", DAH Solar shall bear the reasonable and usual sea or land transportation costs incurred by the customer for returning the modules and reshipping the repaired or replaced modules, provided that such costs shall be supported by supporting documents, and such costs shall be recognized by DAH Solar's customer service department.

## Severability

If any part, provision or term of this Limited Warranty for PV Modules, or its application to a person or environment, is held to be invalid or unenforceable, such determination shall not affect the effect of all other parts, provisions or applications of this Limited Warranty for PV Modules, and for that purpose, Other parts, provisions, terms or applications of the Limited Warranty of Photovoltaic Modules shall be deemed to be separable.

## Technical Dispute

You may have special legal rights beyond the essential warranty, and you may have different rights depending on the laws of different countries. This limited warranty does not affect any additional rights you may have with respect to the sale of consumer Products in your locality. Some countries do not allow the exclusion or limitation of incidental or consequential damages, so such exclusions or limitations under the essential warranty may not apply to you.

## Others

The repair or replacement of a module or the provision of additional modules does not constitute a renewal of the warranty period, nor shall the original term of this Limited Warranty for PV Modules be extended. Any replaced modules shall be the property of DAH Solar and shall be at its sole disposal. In the course of processing the claim, if DAH Solar discontinues the production of the product with the replaced module model, it has the right to supply another module model (different in size, color, shape and/or power).

## Transfer of Warranty

The essential Warranty is transferable when the Product is still installed in the original installation position on the warranty register and has not been disassembled or transferred.

## Force Majeure

As a result of the forces of nature, war, riots, strikes, war, fire, flood, plague or other infectious diseases and other reasons or conditions beyond the reasonable control source causing it fails to perform or delay to perform the sales terms or conditions (including the "photovoltaic modules limited warranty"), DAH Solar is not responsible for the customer or any third party. In such case, DAH Solar's performance of this limited Warranty shall be suspended and shall not be liable for reasonable delays caused by such reasons.

## **Definition:**

"Peak power at standard test state" is the peak power at the maximum power point produced by a PV cell module. "Standard Test status" is the following condition:

(1) Spectral AM1.5 (2) The light intensity is 1000W/m<sup>2</sup> (3) The battery temperature under right-angle radiation is 25 degrees Celsius

Measurements are carried out at connector or junction box terminals in accordance with IEC 61215 and, where feasible, in accordance with DAH Solar's calibration and test standards in effect at the PV module production date.



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