

Akcome Optronics

Limited Warranty for PV Modules

Thank you very much for purchasing Akcome Optronics photovoltaic modules with a long life time. Akcome Optronics Science & Technology Co., Ltd. ("Akcome") generally provides material & workmanship and power performance Warranties set forth herein to the original purchaser and its permitted successors and assigns ("Customer") with respect to any solar photovoltaic module set forth herein sold by Akcome under purchase agreements signed on or after February 1st, 2021 ("Module"), subject to the terms and conditions herein. This limited warranty covers the PV modules produced by "Suzhou Akcome Optronics Science & Technology Co., Ltd.", "Ganzhou Akcome Optronics Science & Technology Co., Ltd." and "Zhejiang Akcome Optronics Science & Technology Co., Ltd." Akcome Standard PV Module Products covered under this warranty are:

(A) P-type Mono PERC of Back Sheet Products

(1)	SK6610MC-***	SK6611MC-***	SK6612MC-***	
(2)	SK8609MC-***	SK8610MC-***	SK8611MC-***	SK8612MC-***
(3)	SK9609MC-***	SK9610MC-***	SK9611MC-***	SK9612MC-***
(4)	SKA508MC-***	SKA510MC-***		
(5)	SKA511MC-***	SKA610MC-***	SKA611MC-***	
(6)	SK6610MHVC-***	SK6611MHVC-***	SK6612MHVC-***	
(7)	SK8609MHVC-***	SK8610MHVC-***	SK8611MHVC-***	SK8612MHVC-***
(8)	SK9609MHVC-***			
(9)	SK9610MHVC-***	SK9611MHVC-***	SK9612MHVC-***	
(10)	SKA508MHVC-***	SKA510MHVC-***		
(11)	SKA511MHVC-***	SKA610MHVC-***	SKA611MHVC-***	

(B) P-type Mono PERC of Bifacial Dual Glass Products

(1)	SK6610MDGDC-***	SK6612MDGDC-***		
(2)	SK8610MDGDC-***	SK8612MDGDC-***		
(3)	SK9609MDGDC-***			
(4)	SK9610MDGDC-***	SK9611MDGDC-***	SK9612MDGDC-***	
(5)	SKA511MDGDC-***	SKA610MDGDC-***	SKA611MDGDC-***	

(C) N-type Mono of Bifacial Dual Glass Products

- (1) SK6610HDGDC-*** SK6611HDGDC-*** SK6612HDGDC-***
- (2) SK8610HDGDC-***
- (3) SK8611HDGDC-*** SK8612HDGDC-***
- (4) SKA508HDGDC-*** SKA510HDGDC-***
SKA511HDGDC-*** SKA610HDGDC-*** SKA611HDGDC-***
- (5) SK6666HDGDS-*** SK6678HDGDS-***
- (6) SK9609TDGDC-***
- (7) SK9612TDGDC-***

Note: The “***” placeholder in each model refers to the power specified in the datasheet (e.g. “SK9612MDGDC-545”).

For the standard solar module types listed above, Akcome Optronics shall WARRANT our Photovoltaic Solar Modules’ (MODULES) performance

- (a) Starting from the date of sale (SALES DATE) to the first customer installing (for their own use) the MODULES ; or
- (b) Starting at the latest 6 months after MODULES dispatch from the Akcome Optronics factory.

whichever occurs earlier (the WARRANTY START DATE).

受控文件 严禁复制
Don't Copy AKCOME Controlled

1. Limited Products Warranty

(a) 12 Year Limited Product Warranty

For the Products listed under (A)-(1), (A)-(2), (A)-(3), (A)-(4), (A)-(5), (A)-(6), (A)-(7), (A)-(9), (A)-(10), (A)-(11), (B)-(1), (B)-(2), (B)-(4), (B)-(5), (C)-(1), (C)-(5), Akcome Optronics warrants to the first immediate customer (the "Customer") that the modules will perform fully compliant to the technical specification under normal application, installation, use, and service conditions during the period beginning on the earlier of the date the PV Modules were purchased by the Customer or 6 months from factory dispatch (the "Warranty Start Date") and ending twelve (12) years after such Warranty Start Date. The modules must be installed according to the latest Safety, Installation and Operation Manual provided by Akcome Optronics otherwise this warranty will be void.

If a PV Module fails to conform to this Limited Product Warranty during this twelve-year period, Akcome Optronics will, at its reasonable option, either (a) repair or replace the defective PV Module, or (b) provide the Customer with a refund equal to the then current market price of a comparable PV Module at the time of the Customer's claim.

The ways of compensation described as above is the only and exclusive measure of the limited products warranty. This Limited Product Warranty does not warrant a specific power output, which shall be exclusively covered under the Limited Power Warranty below.

(b) 15 Year Limited Product Warranty

For the Products listed under (A)-(8), (B)-(3), (C)-(2), (C)-(3), (C)-(4), (C)-(6), (C)-(7), Akcome Optronics warrants to the first immediate customer (the "Customer") that the modules will perform fully compliant to the technical specification under normal application, installation, use, and service conditions during the period beginning on the earlier of the date the PV Modules were purchased by the Customer or 6 months from factory dispatch (the "Warranty Start Date") and ending fifteen (15) years after such Warranty Start Date. The modules must be installed according to the latest Safety, Installation and Operation Manual provided by Akcome Optronics otherwise this warranty will be void.

If a PV Module fails to conform to this Limited Product Warranty during this fifteen-year period, Akcome Optronics will, at its reasonable option, either (a) repair or replace the defective PV Module, or (b) provide the Customer with a refund equal to the then current market price of a comparable PV Module at the time of the Customer's claim.

The ways of compensation described as above is the only and exclusive measure of the limited products warranty. This Limited Product Warranty does not warrant a specific power output, which shall be exclusively covered under the Limited Power Warranty below.

2. Limited Peak Power Warranty

(a) 25 Year Limited Power Output Warranty for Back Sheet Products

Akcome Optronics warrants for 25 years power performance from the Warranty Start Date. The power loss is defined as the difference between the rated power which showed on the module's power label and the module

output power which measured under the STC conditions.

1) **P-type Mono PERC of Back Sheet Products((A)-(1), (A)-(2), (A)-(3), (A)-(4), (A)-(5), (A)-(6), (A)-(7), (A)-(8), (A)-(9), (A)-(10), (A)-(11))**: During the first year, Akcome Optronics guarantees the actual power output of the module will be no less than 98.0% of the labeled power output. From year 2 to year 25, the actual annual power decline will be no more than 0.55%; by the end of year 25, the actual power output will be no less than 84.8 % of the labeled power output.

If a PV Module fails to conform to this Limited Peak Power Warranty during this 25-year period, Akcome Optronics will, at its option, (1) repair or replace the product, (2) provide the Customer with a refund equal to the current market price of a comparable PV Module at the time of the Customer's claim, or (3) provide the purchaser with additional modules to make up lost power, provided that such degradation is determined to be due to defects in materials or workmanship under normal installation, application, and use. The modules must be installed according to the latest Safety, Installation and Operation Manual provided by Akcome Optronics otherwise this warranty will be void.

The relevant Minimum Specified Power Rating is defined in Akcome Optronics's product data sheet at the time of shipment. Standard Test Conditions are irradiance of 1000 W/m², 25 degree C cell temperature, and AM 1.5 light spectrum.

The ways of compensation described as above is the only and exclusive measure of the limited peak power warranty.

(b) 30 Year Limited Power Output Warranty for Dual Glass Products

Akcome Optronics warrants for 30 years power performance from the Warranty Start Date. The power loss is defined as the difference between the rated power which showed on the module's power label and the module output power which measured under the STC conditions.

1) **P-type Mono PERC of Dual Glass Products((B)-(1), (B)-(2), (B)-(3), (B)-(4), (B)-(5))**: During the first year, Akcome Optronics guarantees the actual power output of the module will be no less than 98.0% of the labeled power output. From year 2 to year 30, the actual annual power decline will be no more than 0.45%; by the end of year 30, the actual power output will be no less than 84.95% of the labeled power output.

2) **N-type HJT of Dual Glass Products((C)-(1), (C)-(2), (C)-(3), (C)-(5))**: During the first year, Akcome Optronics guarantees the actual power output of the module will be no less than 98.0% of the labeled power output. From year 2 to year 30, the actual annual power decline will be no more than 0.25%; by the end of year 30, the actual power output will be no less than 90.75% of the labeled power output.

3) **N-type HJT of Dual Glass Products((C)-(4))**: During the first year, Akcome Optronics guarantees the actual power output of the module will be no less than 99.0% of the labeled power output. From year 2 to year 30, the actual annual power decline will be no more than 0.25%; by the end of year 30, the actual power output will be no less than 91.75% of the labeled power output.

4) **N-type TOPcon of Dual Glass Products((C)-(6), (C)-(7))**: During the first year, Akcome Optronics guarantees the actual power output of the module will be no less than 99.0% of the labeled power output. From year 2 to year 30, the actual annual power decline will be no more than 0.40%; by the end of year 30, the actual power output will be no less than 87.40% of the labeled power output.

If a PV Module fails to conform to this Limited Peak Power Warranty during this 30-year period, Akcome Optronics

will, at its option, (1) repair or replace the product, (2) provide the Customer with a refund equal to the current market price of a comparable PV Module at the time of the Customer's claim, or (3) provide the purchaser with additional modules to make up lost power, provided that such degradation is determined to be due to defects in materials or workmanship under normal installation, application, and use. The modules must be installed according to the latest Safety, Installation and Operation Manual provided by Akcome Optronics otherwise this warranty will be void.

The relevant Minimum Specified Power Rating is defined in Akcome Optronics's product data sheet at the time of shipment. Standard Test Conditions are irradiance of 1000 W/m², 25 degree C cell temperature, and AM 1.5 light spectrum.

The ways of compensation described as above is the only and exclusive measure of the limited peak power warranty.

3. Exclusions and Limitations

- 1) In any event, all warranty claims must be received within the applicable warranty period for this warranty to be effective.
- 2) The "Limited Product Warranty" and the "Limited Peak Power Warranty" do not apply to any modules which have been subjected to:
 - Misuse, abuse, neglect or accident;
 - Alteration, improper installation or application;
 - Non-observance of Akcome Optronics' s installation manual or maintenance instructions;
 - Repair or modifications by someone other than an approved service technician of Akcome Optronics;
 - Power failure surges, lightning, flood, fire, accidental breakage or other events outside Akcome Optronics's control.
 - Damages due to abnormal environmental conditions, including, without limitation, improper voltage, acid rain, mobile or marine environment, and other pollution and damages due to a defective construction base on which the MODULES are mounted;
 - Incorrect installation or use conditions of the system, including but not limited to the incorrect installation or use of the bracket, the improper design, installation, or use of other components of the system.
 - Damages due to external corrosion, mold discoloration or something like that;
 - Damages due to movement from the MODULES' original installation.
- 3) Both "Limited Products Warranty" and "Limited Peak Power Warranty" do not cover any costs associated with installation, removal or re-installation of the modules and (except as explicitly set forth in the final paragraph of Section 5) customs clearance or any other costs for return of the modules.
- 4) Warranty claims will not be honored if the type or serial number of the modules have been altered, removed or made illegible.

4. Limitation of Warranty Scope

This "LIMITED WARRANTY FOR PV modules" as set forth herein is 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 Akcome Optronics, unless such other obligations or liabilities are expressly agreed to in writing signed and approved by Akcome Optronics. Akcome Optronics 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, without limitation, any defects in the modules, or from use or installation. Under no circumstances shall Akcome Optronics be liable for incidental, consequential or special damages, howsoever caused. Loss of use, loss of profits, loss of production, and loss of revenues are specifically and without limitation excluded. Akcome Optronics's aggregate liability, if any, in damages or otherwise, shall not exceed the invoice value as paid by the customer, for the single unit of module.

5. Obtaining Warranty Performance

If the customer has a justified claim covered by this "Limited Warranty for PV Modules", an immediate notification shall be filed directly to (a) Akcome directly or (b) the installer or (c) Akcome Optronics's authorized distribution partner, who supplied affected modules, by mailing a registered letter in writing, or, sending an email letter to the email account of Akcome Optronics listed hereunder. Together with the notification, the customer should enclose name and address of customer, name and address of installer and authorized Akcome Optronics distribution partner, the evidence of the claim with the affected Module type, affected quantity and corresponding serial numbers together with the date on which the modules have been purchased. A related invoice document with stamp or signature of Akcome Optronics or its authorized distributor should cover those requirements and should be part of the evidence. Regional addresses of Akcome Optronics offices are listed at the end of this document. The return of any modules will not be accepted unless prior written authorization has been given by Akcome Optronics.

6. Severability

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

7. Disputes

In case of any discrepancy in a warranty-claim, a first-class international test-institute such as Fraunhofer ISE in Freiburg/ Germany, TÜV Rheinland in Cologne/ Germany or ASU Arizona State University shall be involved to judge the claim finally. All fees and expenses shall be born by the losing party, unless otherwise awarded.

8. Various

The repair or replacement of the modules or the supply of additional modules does not cause the beginning of new warranty terms, nor shall the original terms of this "Limited Warranty for PV Modules" be extended. Any replaced modules shall become the property of Akcome Optronics made for their disposal.

Akcome Optronics has the right to deliver another type (different in size, color, shape and/or power) in case Akcome Optronics has discontinued producing the replaced modules at the time of the claim.

9. Warranty Transfer

This "Limited Warranty for PV Modules" is transferable when the product remains installed in its original installation location.

10. Force Majeure

Akcome Optronics 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 terms and conditions of sale, including this "Limited Warranty for PV Modules", due to acts God, war, riots, strikes, warlike conditions, plague or other epidemics, fire, flood, or any other similar cause or circumstance beyond the reasonable control of Akcome Optronics. In such cases, performance by Akcome Optronics of this Limited Warranty shall be suspended without liability for the period of delay reasonably attributable to such causes.

File No.: AKC/AKGD/2-QA-119

Ver.: A1

Released date: 2023-01-13

Suzhou Factory Add.: No.110, West Jintang Rd.,
Economic Development Zone, Zhangjiagang,
Jiangsu Province, 215600, P.R. China

Ganzhou Factory Add.: Jingba Industrial Zone,
Jingba Town Nankang District, Ganzhou, Jiangxi
Province, 341400, P.R. China

Changxing Factory Add.: Zheneng Science and
Technology Industrial Park, Meishan Town,
Changxing, Huzhou, Zhejiang Province, 313100,
P.R.China

Tel.: 400-101-7000

E-mail: modulecs@akcome.com

Web: www.akcome.com