



LIMITED WARRANTY

ERA.EN20240101-LINEAR

Zhejiang ERA Solar Technology Co., Ltd (“**ERA**”) generally provides the 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 ERA under purchase agreements signed on or after January 1ST, 2023 (“**Module**”), subject to the terms and conditions herein (“**Limited Warranty**”). ERA and Customer may hereinafter be referred to each as a “**Party**” and collectively as the “**Parties**”.

1. **WARRANTY START DATE.** ERA provides the Warranties set forth herein commencing upon the earlier of delivery of a Module to the original purchaser thereof or that date which is one hundred and eighty (180) days following the Module manufacture date, as indicated by the serial number [digit no.5-6(Yymm) for half-cut modules/digit no.4-5(Yymm) for other modules, starting from the left side of the serial number] for such Module (“**Warranty Start Date**”).

2. LIMITED PRODUCT WARRANTY.

ERA warrants that the Module and its respective DC connector and cables, if any, shall be free from material defects in design, materials and workmanship that impair the performance of the Module for the applicable period following the Warranty Start Date as set forth below (“**Limited Product Warranty**”). Material defects shall not include normal wear and tear, corrosion, musty and color difference.

A. N-Type mono-crystalline Modules, only applicable to the following Module types:

ERA Pro-72HCXXXM
ERA Pro-72HCDGXXXM
ERA Pro-54HCXXXM
ERA Pro-54HDXXXM

ERA-RA54HCXXXM
ERA-RA54HDXXXM
ERA-RA72HCXXXM
ERA-RA72HDXXXM
ERA-RC-66HCXXXM
ERA-RC66HDXXXM
ERA-RC48HDXXXM
Eagle Pro-66HCXXXM
Eagle Pro-66HDXXXM

One hundred and eighty (180) months following the Warranty Start Date

B. N-Type all black mono-crystalline Modules, only applicable to the following Module types:

ERA Pro-54HCXXXMBK
ERA Pro-54HDXXXMBK
ERA-RA54HCXXXM(BK)
ERA-RA54HDXXXM(BK)
ERA-RC48HDXXXM(BK)

Three hundred (300) months following the Warranty Start Date

C. All other types of Modules includes the following Module types:

ESPSAXXX	ESPSAXXXBK
ESPSCXXX	ESPSCXXXBK
ESPHSCXXX	ESPHSCBXXX
ESPHSCXXXBK	ERA-72HCXXXM
ERA-72HCBXXXM	ERA-66HCXXXM
ERA-60HCXXXM	ERA-54HCXXXM
ERA-54HCXXXMBK	Eagle-66HCXXXM
Eagle-60HCXXXM	Eagle-66HCBXXXM
Eagle-60HCBXXXM	Eagle-66HCXXXMBK
Eagle-60HCXXXMBK	ESPMCXXX
ESPMCXXXBK	



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3. A LIMITED POWER WARRANTY FOR MONOFACIAL MODULES.

ERA warrants that the Degradation Rate shall not exceed the amount for the applicable period following the Warranty Start Date as set forth below ("**Monofacial Module Limited Power Warranty**").

A. MONOFACIAL MODULES: for poly-crystalline Modules:

(1) SINGLE GLASS SERIES, only applicable to the following poly-crystalline Module types:

ESPMCXXX
ESPMCXXXBK

(i) 2.5% in the first year; (ii) 0.7% each year thereafter until that date which is twenty-five (25) years following the Warranty Start Date, at which time the Actual Power Output shall be not less than 80.7% of the Nominal Power Output.

B. MONOFACIAL MODULES: for mono-crystalline Modules:

(1) P-TYPE SERIES, only applicable to the following mono-crystalline Module types:

ESPSCXXX	ESPSCXXXBK
ESPHSCXXX	ESPHSCXXXBK
ERA-72HCXXXM	ERA-66HCXXXM
ERA-60HCXXXM	ERA-54HCXXXM
ERA-54HCXXXMBK	Eagle-66HCXXXM
Eagle-60HCXXXM	Eagle-66HCXXXMBK
Eagle-60HCXXXMBK	

(i) 2.0% in the first year; (ii) 0.55% each year thereafter

One hundred and forty-four (144) months following the Warranty Start Date.

after until that date which is twenty-five (25) years following the Warranty Start Date, at which time the Actual Power Output shall be not less than 84.8% of the Nominal Power Output.

(2) N-TYPE SERIES, only applicable to the following mono-crystalline Module types

ERA Pro-72HCXXXM
ERA Pro-54HCXXXM

(i) 1% in the first year; (ii) 0.4% each year thereafter until that date which is thirty (30) years following the Warranty Start Date, at which time the Actual Power Output shall be not less than 87.4% of the Nominal Power Output.

(3) N-TYPE ALL BLACK SERIES, only applicable to the following mono-crystalline Module types:

ERA Pro-54HCXXXMBK
ERA-RA54HCXXXM(BK)

(i) 1% in the first year; (ii) 0.4% each year thereafter until that date which is thirty (30) years following the Warranty Start Date, at which time the Actual Power Output shall be not less than 87.4% of the Nominal Power Output.

LIMITED POWER WARRANTY FOR BIFACIAL MODULES.

ERA warrants that the Degradation Rate shall not exceed the amount for the applicable period following the Warranty Start Date as set forth below ("**Bifacial Module Limited Power Warranty**") :



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BIFACIAL MODULES: for mono-crystalline Modules:

A. P-Type Bifacial Modules:

(1) TRANSPARENT BACKSHEET BIFACIAL SERIES, only applicable to the following mono-crystalline Bifacial Module types:

ESPHSCBXXX
ERA-72HCBXXXM
Eagle-66HCBXXXM
Eagle-60HCBXXXM

(i) 2.5% in the first year; (ii) 0.55% each year thereafter until that date which is thirty (30) years following the Warranty Start Date, at which time the Actual Power Output shall be not less than 81.55% of the Nominal Power Output.

B. N-Type Bifacial Modules, only applicable to the following mono-crystalline Bifacial Module types:

ERA Pro-72HCBXXXM	ERA Pro-72HCDGXXXM
ERA-RC66HCBXXXM	ERA-RC66HDXXXM
ERA-RC48HDXXXM(BK)	Eagle Pro-66HDXXXM
ERA-RA54HDXXXM(BK)	

(i) 1% in the first year; (ii) 0.4% each year thereafter until that date which is thirty (30) years following the Warranty Start Date, at which time the Actual Power Output shall be not less than 87.4% of the Nominal Power Output.

Notwithstanding anything to the contrary herein, the Degradation Rate for a Bifacial Module shall apply only to the front-side power output of such Bifacial Module under STC as defined below.

4. POWER DEFINITIONS. "Nominal Power Output (PO₀)" means the original manufactured nameplate specification of the Module, expressed in Watts, as certified by ERA and indicated on the Module, excluding any specified positive tolerance. **"Actual P**

ower Output (PO_t)" means the power output of the Module, expressed in Watts, at Watt peak that a Module generates or, for a Bifacial Module, that the front-side of a Bifacial Module generates, at a given point in time in a year after the Warranty Start Date (**t**) in its 'Maximum Power Point' under Standard Test Conditions, corrected for any measurement error ("**STC**").

STC are as follows, measured in accordance with IEC 61215: (a) light spectrum of AM 1.5; (b) an irradiation of 1000W per m²; and (c) a cell temperature of 25 degrees centigrade at right angle irradiation. The "**Degradation Rate (DR)**" shall be any positive amount calculated in accordance with the following formula, expressed as a percent:

$$DR = 1.00 - [(PO_t) / (PO_0)]$$

5. CLAIMS. Customer shall bear the burden of establishing a breach of the Warranties hereunder. If Customer believes there has been a breach of the Limited Product Warranty or Limited Power Warranty (collectively, "**Warranties**"), then Customer shall promptly, and not later than thirty (30) days after knowledge thereof, provide notice to ERA setting forth the following information related to the claim: (a) party making claim; (b) detailed description; (c) evidence, including photographs and data; (d) relevant serial numbers; (e) Warranty Start Date; (f) Module type; (g) physical address; (h) any additional evidence reasonably requested by ERA; and (i) upon request from ERA, the actual Module(s) allegedly causing the breach. Notwithstanding anything to the contrary herein, ERA shall be entitled, in ERA's sole discretion upon written notice to Customer, to require that any breach of the Warranties alleged by Customer be reviewed by TÜV Rheinland, TÜV SÜD or other neutral third party testing laboratory selected by ERA and approved by Customer, such approval not to be unreasonable.



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nably withheld or delayed (**"Independent Testing Lab"**). The power measurement tolerance of any testing equipment utilized by any Independent Testing Lab in performing tests required by this Section

shall be disclosed in writing to both Parties prior to performance of any such tests and shall be reflected in any final test results provided by the Independent Testing Lab. The determination by an Independent Testing Lab as to whether a breach has occurred shall be final and conclusive with respect to the matters covered by such determination. ERA shall be responsible for all costs incurred by it in connection with the shipment by Customer of a Module pursuant to Section 5(i) hereto and any Independent Testing Lab's services provided pursuant to this Section 5, including shipping, testing services, storage, insurance and any Module destruction incidental thereto; provided, however, Customer shall promptly upon receipt of notice indemnify ERA for all such costs on a dollar-for-dollar basis in the event the Independent Testing Lab is unable to confirm a breach of the Warranties or, if no Independent Testing Lab was utilized, Customer is otherwise unable to establish a breach of the Warranties.

6. REMEDIES. In ERA's sole discretion, ERA shall repair, replace or provide additional modules compensating for the related power loss for any Module which causes a breach of the Warranties. Additional, repaired or replacement Modules shall be delivered to the same destination and on the same INCOTERMS 2020 delivery basis that the original Module causing breach of the Warranties was delivered under the purchase agreement to which this Limited Warranty applies. Replaced Modules received by ERA pursuant to Section 5 shall be the sole property of ERA. ERA shall be solely responsible for all shipping costs incurred performing its additional supply, repair or replacement obligations under this Section 6. Additional or replacement Modules shall be of the same type and physical form as the original Module,

electrically compatible with the original Module, and have an electrical output of not less than the warranted power output of the original Module at the time of supply or replacement, based on the warranted degradation rates set forth at Section 3 hereto. Notwithstanding the foregoing, if ERA no longer supplies Modules meeting the foregoing criteria, then additional or replacement modules provided under this Section 6 shall be those modules then supplied by ERA most substantially meeting the foregoing criteria. ERA's performance of any repair, replacement or additional supply pursuant to this Section 6 shall not extend the term of any Warranties.

7. EXCLUSIONS. This Limited Warranty is subject to the exclusions set forth in this Section 7. The Warranties shall not apply to any Module which has been: (a) altered, repaired or modified without the prior written consent of ERA or otherwise inconsistent with ERA's written instructions; (b) removed and re-installed at any location other than the physical location in which it was originally installed following purchase by Customer or receipt from ERA as a replacement Module; (c) subject to misuse, abuse, neglect, or accident except as may be caused by ERA in the course of storage, transportation, handling, installation, application, use or service; (d) subject to force majeure, electrical surges, lightning, flood, fire, vandalism, tampering, accidental breakage, or other events beyond ERA's control, resulting in material damage to the Module; (e) installed on mobile platforms (other than single or dual-axis trackers) or in a marine environment; (f) subject to direct contact with corrosive agents or salt water, pest damage, or malfunctioning PV system components; or (g) used in a manner inconsistent with the version of ERA Installation Manual available at www.era



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asolar.com.cn on the date the Module is manufactured. The Warranties shall not apply to any Module for which the labels thereon indicating type or serial number have been altered, removed or made illegible. The Warranties shall not apply to any Module for which full and final payment has not been received by ERA.

8. LIMITS OF LIABILITY. NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS LIMITED WARRANTY, EXCEPT AS EXPRESSLY PROVIDED HEREIN, ERA MAKES NO WARRANTIES, GUARANTEES OR CONDITIONS, EXPRESS OR IMPLIED, ARISING FROM OR RELATING TO THE MODULES AND ERA DISCLAIMS ANY WARRANTY OR GUARANTEE IMPLIED BY LAW, INCLUDING IMPLIED WARRANTIES OF PERFORMANCE, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND IMPLIED WARRANTIES OF CUSTOM OR USAGE, ARISING FROM OR RELATING TO THE MODULES. THE REMEDIES FOR BREACH OF THIS WARRANTY ARE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES ARISING FROM OR RELATING TO ANY BREACH OF THE WARRANTIES. IN NO EVENT SHALL ERA BE RESPONSIBLE PURSUANT TO THIS WARRANTY FOR ANY PERFORMANCE ANALYSIS, INSPECTION, DIAGNOSIS, REMOVAL, CUSTOMS, IMPORT DUTIES, EXPORT DUTIES, TAXES, REINSTALLATION COSTS, SPECIAL, INDIRECT, INCIDENTAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING LOSSES OR DAMAGES CAUSED BY REASON OF LOSS OF USE, LOSS OF PROFITS OR REVENUE, INTEREST CHARGES (EXCEPT AS EXPRESSLY PROVIDED HEREIN), LOSS OF BONDING CAPACITY, COST OF CAPITAL OR CLAIMS OF CUSTOMER DAMAGES, WHETHER LIABILITY ARISES AS A RESULT OF BREACH OF CONTRACT, TORT LIABILITY (INCLUDING NEGLIGENCE), STRICT LIABILITY,

TY, BY

OPERATION OF LAW OR IN ANY OTHER MANNER. EXCEPT AS SET OUT IN THIS LIMITED WARRANTY, ERA 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 THIS LIMITED WARRANTY.

9. ASSIGNMENT. Notwithstanding anything to the contrary herein, this Limited Warranty is for the sole and exclusive benefit of Customer and there are no third party beneficiaries hereof; provided, however, subject to written notice to ERA and ERA's receipt of full and final payment for the Modules, this entire Limited Warranty may be assigned in whole but not in part to any person or entity. Any permitted assignee of this Limited Warranty shall execute such agreements as may reasonably be requested by ERA to confirm the applicability of any term hereof as a condition to assignment.

10. LAW AND FORUM. Any dispute related to or arising out of this Limited Warranty, including without limitation any question regarding its existence, validity, breach, or termination, shall be referred to and finally resolved pursuant to the governing law clauses and dispute resolution procedures under the purchase agreement between the original purchaser and ERA. As a



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condition to any obligation of ERA hereunder, ERA may require any Customer seeking to enforce this Limited Warranty to execute such additional agreements as may reasonably be required to enforce the terms of this Section 11.

11. MERGER CLAUSE. This Limited Warranty sets forth the entire agreement and understanding of the Parties relating to the subject matter herein and supersedes all prior or contemporaneous discussions, understandings and agreements, whether oral or written, between them relating to the subject matter hereof.

12. SEVERABILITY. If one or more provisions of this Limited Warranty are held to be unenforceable under applicable law, the Parties agree to renegotiate such provision in good faith. In the event that the parties cannot reach a mutually agreeable and enforceable replacement for such provision, then (a) such provision shall be excluded from this Limited Warranty, (b) the balance of this Limited Warranty shall be interpreted as if such provision were so excluded and (c) the balance of this Limited Warranty shall be enforceable in accordance with its terms.

13. MISCELLANEOUS. The terms of this Limited Warranty are conditioned upon their incorporation in a contractual agreement between ERA and Customer, and when incorporated to such contractual agreement, this Limited Warranty shall be subject to the terms thereof and subject to modification when incorporated therein. ERA reserves the right to modify or update this Limited Warranty at any time, with or without notice.

[END OF LIMITED WARRANTY]



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Types of Modules covered by this Limited Warranty						
Series	Module Type	Limited Product Warranty Period (Years)	Limited Power Warranty Period (Years)	First Year Degradation Rate	Annual Degradation Rate	Pmin At The End Of Power Warranty Period
N-TYPE	Eagle Pro-66HDXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	Eagle Pro-66HCXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	ERA-RC48HDXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	ERA-RC48HDXXXM(BK)	25	30	1.00%	0.40%	87.40%
N-TYPE	ERA Pro-72HCXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	ERA Pro-54HCXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	ERA Pro-72HCBXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	ERA Pro-72HCDGXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	ERA-RC-66HCXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	ERA-RC66HDXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	ERA-RA54HDXXXM	15	30	1.00%	0.40%	87.40%
N-TYPE	ERA Pro-54HCXXXMBK	25	30	1.00%	0.40%	87.40%
N-TYPE	ERA-RA54HDXXXMBK	25	30	1.00%	0.40%	87.40%
P-TYPE-210	Eagle-66HCXXXM	12	25	2.00%	0.55%	84.80%
P-TYPE-210	Eagle-60HCXXXM	12	25	2.00%	0.55%	84.80%
P-TYPE-210	Eagle-66HCBXXXM	12	25	2.50%	0.55%	81.55%
P-TYPE-210	Eagle-60HCBXXXM	12	25	2.50%	0.55%	81.55%
P-TYPE-210	Eagle-66HCXXXMBK	12	25	2.00%	0.55%	84.80%
P-TYPE-210	Eagle-60HCXXXMBK	12	25	2.00%	0.55%	84.80%
P-TYPE-182	ERA-72HCXXXM	12	25	2.00%	0.55%	84.80%
P-TYPE-182	ERA-72HCBXXXM	12	25	2.50%	0.55%	81.55%
P-TYPE-182	ERA-66HCXXXM	12	25	2.00%	0.55%	84.80%
P-TYPE-182	ERA-60HCXXXM	12	25	2.00%	0.55%	84.80%
P-TYPE-182	ERA-54HCXXXM	12	25	2.00%	0.55%	84.80%
P-TYPE-182	ERA-54HCXXXMBK	12	25	2.00%	0.55%	84.80%
P-TYPE-166	ESPHSCXXX	12	25	2.00%	0.55%	84.80%
P-TYPE-166	ESPHSCBXXX	12	25	2.50%	0.55%	81.55%



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P-TYPE-156/158	ESPSCXXBK	12	25	2.00%	0.55%	84.80%
POLY-158	ESPMCXXX	12	25	2.50%	0.70%	80.70%
POLY-158	ESPMCXXBK	12	25	2.50%	0.70%	80.70%