

# Tiger Neo N-type

## 72HL4-BDV

### 550-570 Watt

BIFACIAL MODULE WITH DUAL GLASS

#### N-Type

Positive power tolerance of 0~+3%

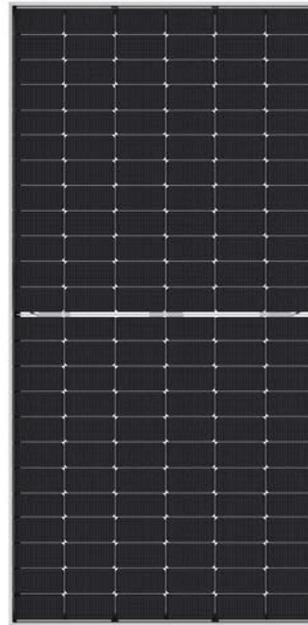
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



## Key Features



#### SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



#### PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



#### Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



#### Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

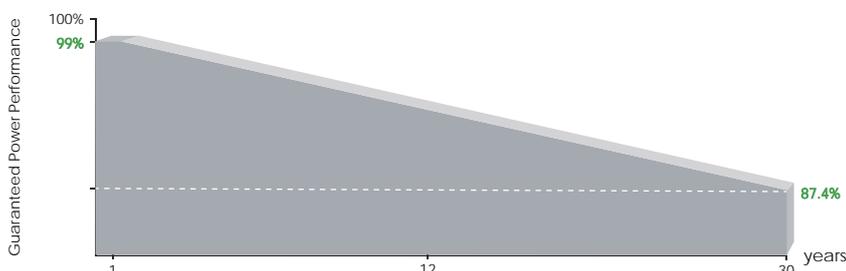


#### Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



## LINEAR PERFORMANCE WARRANTY

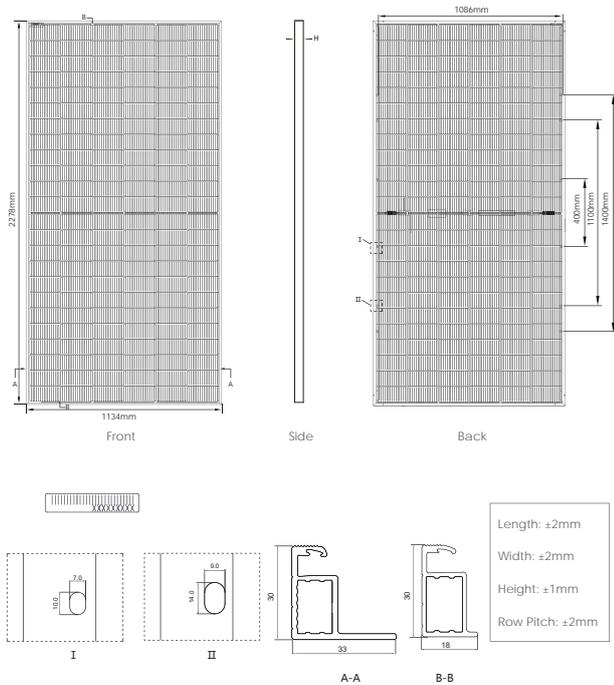


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

## Engineering Drawings

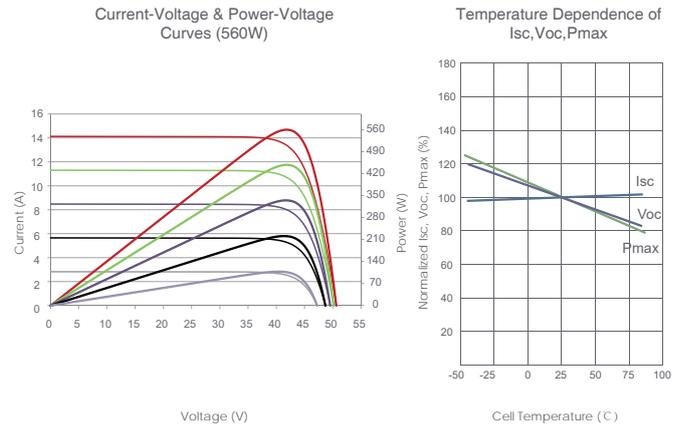


## Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×30mm (89.69×44.65×1.18 inch)
Weight	32 kg (70.55 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm <sup>2</sup> (+): 400mm, (-): 200mm or Customized Length

## SPECIFICATIONS

Module Type	JKM550N-72HL4-BDV		JKM555N-72HL4-BDV		JKM560N-72HL4-BDV		JKM565N-72HL4-BDV		JKM570N-72HL4-BDV	
	STC	NOCT								
Maximum Power (Pmax)	550Wp	414Wp	555Wp	417Wp	560Wp	421Wp	565Wp	425Wp	570Wp	429Wp
Maximum Power Voltage (Vmp)	41.58V	39.13V	41.77V	39.26V	41.95V	39.39V	42.14V	39.52V	42.29V	39.65V
Maximum Power Current (Imp)	13.23A	10.57A	13.29A	10.63A	13.35A	10.69A	13.41A	10.75A	13.48A	10.81A
Open-circuit Voltage (Voc)	50.27V	47.75V	50.47V	47.94V	50.67V	48.13V	50.87V	48.32V	51.07V	48.51V
Short-circuit Current (Isc)	14.01A	11.31A	14.07A	11.36A	14.13A	11.41A	14.19A	11.46A	14.25A	11.50A
Module Efficiency STC (%)	21.29%		21.48%		21.68%		21.87%		22.07%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.30%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.046%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±5%									

## BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		JKM550N-72HL4-BDV		JKM555N-72HL4-BDV		JKM560N-72HL4-BDV		JKM565N-72HL4-BDV		JKM570N-72HL4-BDV	
		5%	15%	5%	15%	5%	15%	5%	15%	5%	15%
5%	Maximum Power (Pmax)	578Wp	633Wp	583Wp	638Wp	588Wp	644Wp	593Wp	650Wp	599Wp	656Wp
	Module Efficiency STC (%)	22.36%	24.48%	22.56%	24.71%	22.77%	24.93%	22.97%	25.15%	23.17%	25.37%
15%	Maximum Power (Pmax)	633Wp	688Wp	638Wp	694Wp	644Wp	700Wp	650Wp	706Wp	656Wp	713Wp
	Module Efficiency STC (%)	24.48%	26.61%	24.71%	26.86%	24.93%	27.10%	25.15%	27.34%	25.37%	27.58%

\*STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C

AM=1.5

AM=1.5

Wind Speed 1m/s

## CE DECLARATION OF CONFORMITY



Business name of the manufacturer: **Jinko Solar Co., Ltd.**

Full address of the manufacture: No.1 Yingbin Road, Economic Development Zone,  
Shangrao City, 334100 Jiangxi, P. R. China

### To whom it may concern

WE, Jinko Solar Co. Ltd., hereby declare under our sole responsibility that the product(s):

**DESCRIPTION:** Photovoltaic solar module

**BRAND:** JinkoSolar

**SINGLE GLASS MODULES 1500VDC SYSTEM VOLTAGE-MODULE TYPE (S):**

Tiger Pro:

JKMxxxM-78HL4-V, JKMxxxM-78HL4-S-V (xxx=565-605, in steps of 5, 156 cells)

JKMxxxM-72HL4-V, JKMxxxM-72HL4-V-J, JKMxxxM-72HL4-S-V,

JKMxxxM-72HL4-S-V-J (xxx=475-570, in steps of 5, 144 cells)

JKMxxxM-66HL4-V, JKMxxxM-66HL4-S-V (xxx=440-505, in steps of 5, 132 cells)

JKMxxxM-60HL4-V, JKMxxxM-60HL4-S-V (xxx=400-470, in steps of 5, 120 cells)

JKMxxxM-54HL4-V, JKMxxxM-54HL4-S-V (xxx=360-420, in steps of 5, 108 cells)

MMxxx-78HLD-MBV (xxx=565-605, in steps of 5, 156 cells)  
MMxxx-72HLD-MBV (xxx=475-570, in steps of 5, 144 cells)  
MMxxx-66HLD-MBV (xxx=440-505, in steps of 5, 132 cells)  
MMxxx-60HLD-MBV (xxx=400-470, in steps of 5, 120 cells)  
MMxxx-54HLD-MBV (xxx=360-420, in steps of 5, 108 cells)  
JKMxxxM-78HL4-TV, JKMxxxM-78HL4-S-TV (xxx=555-595,  
in steps of 5, 156 cells)  
JKMxxxM-72HL4-TV, JKMxxxM-72HL4-TV-J, JKMxxxM-72HL4-S-TV,  
JKMxxxM-72HL4-S-TV-J (xxx=475-565, in steps of 5, 144 cells)  
JKMxxxM-66HL4-TV, JKMxxxM-66HL4-S-TV (xxx=440-500,  
in steps of 5, 132 cells)  
JKMxxxM-60HL4-TV, JKMxxxM-60HL4-S-TV (xxx=400-455,  
in steps of 5, 120 cells)  
JKMxxxM-54HL4-TV, JKMxxxM-54HL4-S-TV (xxx=360-410,  
in steps of 5, 108 cells)

JKMxxxM-72HL4-B-V, JKMxxxM-72HL4-S-B-V  
(xxx=510-535, in steps of 5, 144 cells)  
JKMxxxM-66HL4-B-V, JKMxxxM-66HL4-S-B-V  
(xxx=465-490, in steps of 5, 132 cells)  
JKMxxxM-60HL4-B-V, JKMxxxM-60HL4-S-B-V  
(xxx=425-445, in steps of 5, 120 cells)  
JKMxxxM-54HL4-B-V, JKMxxxM-54HL4-S-B-V  
(xxx=380-400, in steps of 5, 108 cells)

#### Tiger Neo

JKMxxxN-78HL4-V (xxx=570-625, in steps of 5, 156cells)  
JKMxxxN-72HL4-V (xxx=485-600, in steps of 5, 144 cells)  
JKMxxxN-66HL4-V (xxx=445-525, in steps of 5, 132 cells)  
JKMxxxN-60HL4-V (xxx=405-500, in steps of 5, 120 cells)  
JKMxxxN-54HL4-V, JKMxxxN-54HL4R-V  
(xxx=365-455, in steps of 5, 108 cells)

JKMxxxN-78HL4-TV (xxx=570-625, in steps of 5, 156 cells)  
JKMxxxN-72HL4-TV (xxx=480-605, in steps of 5, 144 cells)  
JKMxxxN-72HL4R-TV (xxx=480-605, in steps of 5, 144 cells)  
JKMxxxN-66HL4-TV (xxx=440-525, in steps of 5, 132 cells)  
JKMxxxN-60HL4-TV (xxx=400-480, in steps of 5, 120 cells)  
JKMxxxN-54HL4-TV (xxx=360-430, in steps of 5, 108 cells)

JKMxxxN-72HL4-B-V (xxx=510-535, in steps of 5, 144 cells)  
JKMxxxN-66HL4-B-V (xxx=465-490, in steps of 5, 132 cells)  
JKMxxxN-60HL4-B-V (xxx=425-445, in steps of 5, 120 cells)

JKMxxxN-54HL4-B-V (xxx=380-400, in steps of 5, 108 cells)

Tiger Neo R

JKMxxxN-72HL4R-V (xxx=485-600, in steps of 5, 144 cells)

JKMxxxN-66HL4R-V (xxx=445-525, in steps of 5, 132 cells)

JKMxxxN-60HL4R-V (xxx=405-500, in steps of 5, 120 cells)

JKMxxxN-54HL4R-V,  
(xxx=365-455, in steps of 5, 108 cells)

Tiger p-type 60

JKMxxxM-6TL3-V, JKMSxxxM-6TL3-V-TI, JKMxxxM-6TL3-S-V,  
JKMSxxxM-6TL3-V-MX3 (xxx=335-380, in steps of 5, 120 cells)  
JKMxxxM-6TL3-TV, JKMxxxM-6TL3-S-TV (xxx=325-365, in steps of 5, 120  
cells)

JKMxxxM-6TL3-B-V, JKMxxxM-6TL3-S-B-V, JKMSxxxM-6TL3-B-V-TI  
(xxx=320-365, in steps of 5, 120 cells)

Tiger n-type 60

JKMxxxN-6TL3-V, JKMSxxxN-6TL3-V-TI, JKMSxxxN-6TL3-V-MX3 (xxx=335-390, in steps of 5, 120  
cells)

JKMxxxN-6TL3-TV, JKMxxxN-6TL3-S-TV (xxx=325-380, in steps of 5, 120  
cells)

JKMxxxN-6TL3-B-V, JKMSxxxN-6TL3-B-V-TI, JKMxxxN-6TL3-S-B-V  
(xxx=320-365, in steps of 5, 120 cells)

Tiger p-type 66

JKMxxxM-6RL3-V, JKMxxxM-6RL3-V-J, JKMSxxxM-6RL3-V-TI,  
JKMxxxM-6RL3-S-V, JKMxxxM-6RL3-S-V-J, JKMSxxxM-6RL3-V-MX3  
(xxx=360-415,  
in steps of 5, 132 cells)

JKMxxxM-6RL3-TV, JKMxxxM-6RL3-TV-J, JKMxxxM-6RL3-S-TV,  
JKMxxxM-6RL3-S-TV-J (xxx=355-400, in steps of 5, 132 cells)

JKMxxxM-6RL3-B-V, JKMxxxM-6RL3-S-B-V, JKMSxxxM-6RL3-B-V-TI  
(xxx=360-405, in steps of 5, 132 cells)

Tiger n-type 66

JKMxxxN-6RL3-V, JKMxxxN-6RL3-V-J, JKMSxxxN-6RL3-V-TI,  
JKMSxxxN-6RL3-V-MX3 (xxx=360-420, in steps of 5, 132 cells)

JKMxxxN-6RL3-TV, JKMxxxN-6RL3-TV-J, JKMxxxN-6RL3-S-TV,  
JKMxxxN-6RL3-S-TV-J (xxx=355-420, in steps of 5, 132 cells)  
JKMxxxN-6RL3-B-V, JKMSxxxN-6RL3-B-V-TI, JKMxxxN-6RL3-S-B-V  
(xxx=360-405, in steps of 5, 132 cells)

## SINGLE GLASS MODULES 1000VDC SYSTEM VOLTAGE-MODULE TYPE (S):

### Tiger Pro

JKMxxxM-72HL4, JKMxxxM-72HL4-J (xxx=475-570, in steps of 5, 144 cells)  
JKMxxxM-66HL4 (xxx=440-505, in steps of 5, 132cells)  
JKMxxxM-60HL4 (xxx=400-470, in steps of 5, 120 cells)  
JKMxxxM-54HL4 (xxx=360-420, in steps of 5, 108 cells)  
MMxxx-72HLD-MB (xxx=475-570, in steps of 5, 144 cells)  
MMxxx-66HLD-MB (xxx=440-505, in steps of 5, 132cells)  
MMxxx-60HLD-MB (xxx=400-470, in steps of 5, 120 cells)  
MMxxx-54HLD-MB (xxx=360-420, in steps of 5, 108 cells)

JKMxxxM-72HL4-B (xxx=510-535, in steps of 5, 144 cells)  
JKMxxxM-66HL4-B (xxx=465-490, in steps of 5, 132 cells)  
JKMxxxM-60HL4-B (xxx=425-445, in steps of 5, 120 cells)  
JKMxxxM-54HL4-B (xxx=380-405, in steps of 5, 108 cells)

### Tiger Neo

JKMxxxN-78HL4 (xxx=570-625, in steps of 5, 156 cells)  
JKMxxxN-72HL4 (xxx=485-600, in steps of 5, 144 cells)  
JKMxxxN-66HL4 (xxx=445-525, in steps of 5, 132 cells)  
JKMxxxN-66HL4-B (xxx=465-490, in steps of 5, 132 cells)  
JKMxxxN-60HL4-B (xxx=425-470, in steps of 5, 120 cells)  
JKMxxxN-54HL4-B,  
(xxx=380-450, in steps of 5, 108 cells)

### Tiger Neo R

JKMxxxN-72HL4R (xxx=485-600, in steps of 5, 144 cells)  
JKMxxxN-66HL4R (xxx=445-525, in steps of 5, 132 cells)  
JKMxxxN-60HL4R (xxx=405-500, in steps of 5, 120 cells)  
JKMxxxN-54HL4R (xxx=365-455, in steps of 5, 108 cells)

JKMxxxN-54HL4R-B  
(xxx=380-450, in steps of 5, 108 cells)

Tiger p-type 60

JKMxxxM-6TL3, JKMSxxxM-6TL3-TI, JKMSxxxM-6TL3-MX3

(xxx=335-380, in steps of 5, 120 cells)

JKMxxxM-6TL3-T (xxx=325-365, in steps of 5, 120 cells)

JKMxxxM-6TL3-B, JKMSxxxM-6TL3-B-TI, JKMSxxxM-6TL3-B-MX3

(xxx=320-365, in steps of 5, 120 cells)

Tiger n-type 60

JKMxxxN-6TL3, JKMSxxxN-6TL3-TI, JKMSxxxN-6TL3-MX3

(xxx=335-390, in steps of 5, 120 cells)

JKMxxxN-6TL3-T (xxx=325-365, in steps of 5, 120 cells)

JKMxxxN-6TL3-B, JKMSxxxN-6TL3-B-TI, JKMSxxxN-6TL3-B-MX3

(xxx=320-385, in steps of 5, 120 cells)

Tiger p-type 66

JKMxxxM-6RL3, JKMxxxM-6RL3-J, JKMSxxxM-6RL3-TI, JKMSxxxM-6RL3-MX3

(xxx=360-415, in steps of 5, 132 cells)

JKMxxxM-6RL3-T, JKMxxxM-6RL3-T-J (xxx=355-400, in steps of 5, 132 cells)

JKMxxxM-6RL3-B, JKMSxxxM-6RL3-B-TI, JKMSxxxM-6RL3-B-MX3

(xxx=360-405, in steps of 5, 132 cells)

Tiger n-type 66

JKMxxxN-6RL3, JKMxxxN-6RL3-J, JKMSxxxN-6RL3-TI,

JKMSxxxN-6RL3-MX3 (xxx=360-420, in steps of 5, 132 cells)

JKMxxxN-6RL3-T, JKMxxxN-6RL3-T-J (xxx=355-400, in steps of 5, 132 cells)

JKMxxxN-6RL3-B, JKMSxxxN-6RL3-B-TI, JKMSxxxN-6RL3-B-MX3

(xxx=360-425, in steps of 5, 132 cells)

**DUAL GLASS MODULES 1500VDC SYSTEM VOLTAGE-MODULE TYPE (S):**

Tiger Neo

JKMxxxN-78HL4-BDV (xxx=570-625, in steps of 5, 156 cells)

JKMxxxN-72HL4-BDV, JKMxxxN-72HL4-BDV-J (xxx=480-610, in steps of 5, 144 cells)

JKMxxxN-66HL4-BDV (xxx=440-520, in steps of 5, 132 cells)

JKMxxxN-60HL4-BDV (xxx=400-505, in steps of 5, 120 cells)  
JKMxxxN-54HL4-BDV (xxx=360-455, in steps of 5, 108 cells)

Tiger Neo R

JKMxxxN-72HL4R-BDV (xxx=480-610, in steps of 5, 144 cells)  
JKMxxxN-60HL4R-BDV (xxx=400-505, in steps of 5, 120 cells)  
JKMxxxN-54HL4R-BDV (xxx=360-455, in steps of 5, 108 cells)

Tiger Pro

JKMxxxM-78HL4-BDVP (xxx=570-595, in steps of 5, 156 cells)  
JKMxxxM-72HL4-BDVP, JKMxxxM-72HL4-BDVP-J  
(xxx=500-565, in steps of 5, 144 cells)  
JKMxxxM-66HL4-BDVP (xxx=460-500, in steps of 5, 132 cells)  
JKMxxxM-60HL4-BDVP (xxx=420-455, in steps of 5, 120 cells)  
JKMxxxM-54HL4-BDVP (xxx=375-410, in steps of 5, 108 cells)

**MANUFACTURER:** Jinko Solar Co. Ltd.

Are in conformity with the following standards:

**THE LOW VOLTAGE EUROPEAN DIRECTIVE 2014/35/EU.**

**THE ELECTROMANGNETIC COMPATIBILITY EUROPEAN DIRECTIVE 2014/30/EU.**

**IEC 61215-1:2016**

**IEC 61215-1-1:2016**

**IEC 61215-2:2016**

**IEC 61730-1:2016**

**IEC 61730-2:2016**

**EN 61215-1:2016**

**EN 61215-1-1:2016**

**EN 61215-2:2017**

**EN IEC 61730-1:2018/AC:2018-06**

**EN IEC 61730-2:2018**

**EN IEC 61730-2:2018/AC:2018-06**

**CE MARK OF DATE: 2022**

The institute TÜV SÜD Product Service GmbH, Ridlerstraße 65, 80339 München has certified the product(s). The technical documentation and full compliance with the standards listed above proves the conformity of the product with the requirements of the above-mentioned EC Council directive.

This document has been issued in English. In case of translation discrepancy of this document, the English version shall prevail.

Date of issue: November 7<sup>th</sup>, 2022

Place of issue: China

Title - Name -Signature: VP-Wang Zhihua





# LIMITED WARRANTY

REV.EN20211129-LINEAR

Jinko Solar Import and Export Co., Ltd. (“**Jinko**”) 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 Jinko under purchase agreements signed on or after November 29<sup>th</sup>, 2021 (“**Module**”), subject to the terms and conditions herein (“**Limited Warranty**”). Jinko and Customer may hereinafter be referred to each as a “**Party**” and collectively as the “**Parties**”.

1. **WARRANTY START DATE.** Jinko 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. 7 – 12 (YYMMDD), starting from the left side of the serial number] for such Module (“**Warranty Start Date**”).

## 2. LIMITED PRODUCT WARRANTY.

Jinko 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 except TIGER NEO SERIES,** only applicable to the following Module types:

JKMxxxN-72H, JKMxxxN-72H -V,JKMxxxN-60H, JKMxxxN-60H-V, JKMxxxN-72H-MBB,JKMxxxN-72H-MBB-V, JKMxxxN-60H-MBB, JKMxxxN-60H-MBB-V, JKMxxxN-6RL3, JKMxxxN-6RL3-V,

JKMxxxN-7RL3, JKMxxxN-7RL3-V, JKMxxxN-78H-MBB-V, JKMxxxN-78H-MBB, JKMxxxN-66H-MBB-V, JKMxxxN-66H-MBB, JKMxxxN-6TL3, JKMxxxN-6TL3-V, JKMxxxN-6RL3-V-J, JKMxxxN-6RL3-J,JKMxxxN-7RL3-V-J, JKMxxxN-7RL3-J, JKS3-DCCA-xxx, JKMxxxM-54HL4, JKMxxxM-54HL4-V, JKMxxxM-54HL4-B, JKMxxxM-54HL4-B,JKMxxxN-7RL3-TV, JKMxxxN-7RL3-BDV, JKMxxxN-72H-MBB-TV,JKMxxxN-72H-MBB-BDV,JKMxxxN-6RL3-TV, JKMxxxN-6RL3-BDV, JKMxxxN-60H-MBB-BDV, JKMxxxN-60H-MBB-TV, JKMxxxN-78HL3-BDV, JKMxxxN-78HL3-MBB-BDV, JKMxxxN-66HL3-BDV, JKMxxxN-66HL3-MBB-BDV, JKMxxxN-78HL3-TV, JKMxxxN-78HL3-MBB-TV, JKMxxxN-66HL3-TV, JKMxxxN-66HL3-MBB-TV, JKMxxxN-7RL3-TV-J, JKMxxxN-6RL3-TV-J

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

**B. N-Type all black mono-crystalline Modules except TIGER NEO SERIES,** only applicable to the following Module types:

JKMxxxN-6RL3-B, JKMxxxN-6RL3-B-V, JKMxxxN-7RL3-B, JKMxxxN-7RL3-B-V, JKMxxxN-60H-MBB-B, JKMxxxN-60H-MBB-B-V, JKMxxxN-72H-MBB-B, JKMxxxN-72H-MBB-B-V, JKMxxxN-60HB, JKMxxxN-60HB-V, JKMxxxN-72HB, JKMxxxN-72HB-V, JKMxxxN-66H-MBB-B-V, JKMxxxN-66H-MBB-B, JKMxxxN-6TL3-B, JKMxxxN-6TL3-B-V

Three hundred (300) months following the Warranty Start Date

**C. All other types of Modules including TIGER NEO SERIES. TIGER NEO SERIES** includes the following Module types:



# LIMITED WARRANTY

REV.EN20211129-LINEAR

JKMxxxN-54HL4, JKMxxxN-54HL4-V, JKMxxxN-54HL4-B, JKMxxxN-54HL4-B-V, JKMxxxN-54HL4-TV, JKMxxxN-72HL4, JKMxxxN-72HL4-V, JKMxxxN-72HL4-B, JKMxxxN-7RL4-BDV, JKMxxxN-54HL4-BDV, JKMxxxN-78HL4, JKMxxxN-78HL4-V, JKMxxxN-78HL4-B, JKMxxxN-78HL4-B-V, JKMxxxN-78HL4-TV, JKMxxxN-78HL4-BD, JKMxxxN-60HL4, JKMxxxN-60HL4-V, JKMxxxN-60HL4-B, JKMxxxN-60HL4-B-V, JKMxxxN-60HL4-TV, JKMxxxN-60HL4-BDV, JKMxxxN-72HL4-B-V, JKMxxxN-72HL4-TV, JKMxxxN-72HL4-BDV, JKMxxxN-6RL4-TV, JKMxxxN-7RL4-TV, JKMxxxN-66HL4-TV, JKMxxxN-6TL4-TV, JKMxxxN-7TL4-TV, JKMxxxN-60HL4-TV, JKMxxxN-72HL4-TV, JKMxxxN-78HL4-TV, JKMxxxN-6TL4-BDV, JKMxxxN-7TL4-BDV, JKMxxxN-72HL4-BDV, JKMxxxN-6RL4-BDV, JKMxxxN-66HL4-BDV, JKMxxxN-78HL4-BDV, JKMxxxN-6TL4-B, JKMxxxN-6TL4-B-V, JKMxxxN-7TL4-B, JKMxxxN-7TL4-B-V, JKMxxxN-6RL4-B, JKMxxxN-6RL4-B-V, JKMxxxN-7RL4-B, JKMxxxN-7RL4-B-V, JKMxxxN-66HL4-B, JKMxxxN-66HL4-B-V

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

### 3.A. LIMITED POWER WARRANTY FOR MONOFACIAL MODULES.

Jinko 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:

JKMxxxPP-72, JKMxxxPP-72-J, JKMSxxxPP-72, JKMSxxxPP-72-J, JKMxxxPP-72H, JKMxxxPP-72B, JKMSxxxPP-72B, JKMxxxPP-72HB, JKMSxxxPP-72-MX, JKMSxxxPP-72B-MX, JKMxxxPP-60, JKMxxxPP-60-J, JKMSxxxPP-60, JKMSxxxPP-60-J, JKMxxxPP-60H, JKMxxxPP-60H-J, JKMxxxPP-60B, JKMSxxxPP-60B, JKMxxxPP-60HB, JKMSxxxPP-60-MX, JKMSxxxPP-60B-MX, JKMxxxPP-72-V, JKMxxxPP-72-V-J, JKMSxxxPP-72-V, JKMSxxxPP-72-V-J, JKMxxxPP-72H-V, JKMxxxPP-72HB-V, JKMSxxxPP-72-MX-V, JKMSxxxPP-72B-MX-V, JKMxxxPP-60-V, JKMxxxPP-60-V-J, JKMSxxxPP-60-V, JKMSxxxPP-60-V-J, JKMxxxPP-60H-V, JKMxxxPP-60HB-V, JKMSxxxPP-60-MX-V, JKMSxxxPP-60B-MX-V

(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.

(2) **DUAL GLASS SERIES**, only applicable to the following poly-crystalline Module types:

JKMxxxPP-72-DV, JKMSxxxPP-72-DV, JKMxxxPP-72-DV-J, JKMSxxxPP-72-DV-J, JKMxxxPP-72H-DV, JKMxxxPP-60-DV, JKMSxxxPP-60-DV, JKMxxxPP-60-DV-J, JKMSxxxPP-60-DV-J, JKMxxxPP-60H-DV

(i) 2.5 % in the first year; (ii) 0.5 % 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 83.0 % 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:



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(a) JKMxxxM-72, JKMxxxM-72-J, JKMxxxM-72L, JKMSxxxM-72, JKMSxxxM-72-J, JKMxxxM-72H, JKMxxxM-72HL, JKMxxxM-72B, JKMSxxxM-72B, JKMxxxM-72HB, JKMxxxM-72BL, JKMxxxM-72HBL, JKMSxxxM-72-MX, JKMSxxxM-72L-MX, JKMSxxxM-72B-MX, JKMSxxxM-72BL-MX, JKMxxxM-60, JKMxxxM-60-J, JKMxxxM-60L, JKMSxxxM-60, JKMSxxxM-60-J, JKMxxxM-60H, JKMxxxM-60HL, JKMxxxM-60B, JKMxxxM-60BL, JKMSxxxM-60B, JKMxxxM-60HB, JKMxxxM-60BL, JKMxxxM-60HBL, JKMSxxxM-60-MX, JKMSxxxM-60L-MX, JKMSxxxM-60B-MX, JKMSxxxM-60BL-MX, JKMxxxM-72-V, JKMxxxM-72-V-J, JKMSxxxM-72-V, JKMSxxxM-72-V-J, JKMxxxM-72L-V, JKMxxxM-72H-V, JKMxxxM-72HL-V, JKMxxxM-72HB-V, JKMxxxM-72BL-V, JKMxxxM-72HBL-V, JKMSxxxM-72-MX-V, JKMSxxxM-72B-MX-V, JKMxxxM-60-V, JKMxxxM-60-V-J, JKMSxxxM-60-V, JKMSxxxM-60-V-J, JKMxxxM-60L-V, JKMxxxM-60H-V, JKMxxxM-60HL-V, JKMxxxM-60HB-V, JKMxxxM-60BL-V, JKMxxxM-60HBL-V, JKMSxxxM-60-MX-V, JKMSxxxM-60B-MX-V, JKMxxxM-66H, JKMxxxM-66HB, JKMxxxM-66H-V, JKMxxxM-66HB-V, JKMxxxM-78H, JKMxxxM-78H-V, JKMxxxM-78H-MBB-V, JKMxxxM-78H-MBB, JKMxxxM-66H-MBB-V, JKMxxxM-66H-MBB, JKMxxxM-66H-MBB-B-V, JKMxxxM-66H-MBB-B, JKMxxxM-72H-MBB-V, JKMxxxM-72H-MBB, JKMxxxM-60H-MBB-V, JKMxxxM-60H-MBB, JKMxxxM-60H-MBB-B-V, JKMxxxM-60H-MBB-B, JKMSxxxM-60H-MX3, JKMSxxxM-60HB-MX3, JKMSxxxM-72H-MX3, JKMSxxxM-66H-MX3, JKMSxxxM-66HB-MX3, JKMSxxxM-60H-TI, JKMSxxxM-60HB-TI, JKMSxxxM-72H-TI, JKMSxxxM-66H-TI, JKMSxxxM-66HB-TI, JKMSxxxM-78H-TI

(i) 2.5% in the first year; (ii) 0.6% 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 83.1% of the Nominal Power Output.

(b) JKMxxxM-6RL3, JKMxxxM-6RL3-V, JKMxxxM-6RL3-B, JKMxxxM-6RL3-B-V, JKMxxxM-7RL3, JKMxxxM-7RL3-V, JKSM3-DACA-xxx, JKMxxxM-7RL3-V-J, JKMxxxM-7RL3-J, JKMxxxM-6TL4, JKMxxxM-6TL4-V, JKMxxxM-6TL4-B, JKMxxxM-6TL4-B-V, JKMxxxM-7TL4, JKMxxxM-7TL4-V, JKMxxxM-7TL4-B, JKMxxxM-7TL4-B-V, JKMxxxM-60HL4, JKMxxxM-60HL4-V, JKMxxxM-60HL4-B, JKMxxxM-60HL4-B-V, JKMxxxM-72HL4, JKMxxxM-72HL4-V, JKMxxxM-72HL4-B, JKMxxxM-72HL4-B-V, JKMxxxM-6RL4, JKMxxxM-6RL4-V, JKMxxxM-6RL4-B, JKMxxxM-6RL4-B-V, JKMxxxM-7RL4, JKMxxxM-7RL4-V, JKMxxxM-7RL4-B, JKMxxxM-7RL4-B-V, JKMxxxM-66HL4, JKMxxxM-66HL4-V, JKMxxxM-66HL4-B, JKMxxxM-66HL4-B-V, JKMxxxM-78HL4, JKMxxxM-78HL4-V, JKMxxxM-78HL4-B, JKMxxxM-78HL4-B-V, JKMxxxM-6TL3, JKMxxxM-6TL3-V, JKMxxxM-6TL3-B, JKMxxxM-6TL3-B-V, JKMxxxM-7TL4-J, JKMxxxM-7TL4-V-J, JKMxxxM-72HL4-J, JKMxxxM-72HL4-V-J, JKMxxxM-7RL4-J, JKMxxxM-7RL4-V-J, JKMxxxM-6RL3-V-J, JKMxxxM-6RL3-J, JKMxxxM-72HLM-V, JKMxxxM-60HLM-V, JKMxxxM-72HLM, JKMxxxM-60HLM, JKMxxxM-60HLM-B, JKMxxxM-54HL4, JKMxxxM-54HL4-V, JKMxxxM-54HL4-B

(i) 2.0% in the first year; (ii) 0.55% 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 84.8% of the Nominal Power Output.

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



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JKMxxxN-72H, JKMxxxN-72H -V, JKMxxxN-60H, JKMxxxN-60H-V, JKMxxxN-72H-MBB, JKMxxxN-72H-MBB-V, JKMxxxN-60H-MBB, JKMxxxN-60H-MBB-V, JKMxxxN-6RL3, JKMxxxN-6RL3-V, JKMxxxN-7RL3, JKMxxxN-7RL3-V, JKMxxxN-6TL4, JKMxxxN-6TL4-V, JKMxxxN-7TL4, JKMxxxN-7TL4-V, JKMxxxN-60HL4, JKMxxxN-60HL4-V, JKMxxxN-72HL4, JKMxxxN-72HL4-V, JKMxxxN-6RL4, JKMxxxN-6RL4-V, JKMxxxN-7RL4, JKMxxxN-7RL4-V, JKMxxxN-66HL4, JKMxxxN-66HL4-V, JKMxxxN-78HL4, JKMxxxN-78HL4-V, JKMxxxN-78H-MBB-V, JKMxxxN-78H-MBB, JKMxxxN-66H-MBB-V, JKMxxxN-66H-MBB, JKMxxxN-6TL3, JKMxxxN-6TL3-V, JKMxxxN-6RL3-V-J, JKMxxxN-6RL3-J, JKMxxxN-7RL3-V-J, JKMxxxN-7RL3-J, JKMxxxN-54HL4, JKMxxxN-54HL4-V

(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:

JKMxxxN-6RL3-B, JKMxxxN-6RL3-B-V, JKMxxxN-7RL3-B, JKMxxxN-7RL3-B-V, JKMxxxN-60H-MBB-B, JKMxxxN-60H-MBB-B-V, JKMxxxN-72H-MBB-B, JKMxxxN-72H-MBB-B-V, JKMxxxN-60HB, JKMxxxN-60HB-V, JKMxxxN-72HB, JKMxxxN-72HB-V, JKMxxxN-6TL4-B, JKMxxxN-6TL4-B-V, JKMxxxN-7TL4-B, JKMxxxN-7TL4-B-V, JKMxxxN-60HL4-B, JKMxxxN-60HL4-B-V, JKMxxxN-72HL4-B, JKMxxxN-72HL4-B-V, JKMxxxN-6RL4-B, JKMxxxN-6RL4-B-V, JKMxxxN-7RL4-B, JKMxxxN-7RL4-B-V, JKMxxxN-66HL4-B, JKMxxxN-66HL4-B-V, JKMxxxN-78HL4-B, JKMxxxN-78HL4-B-V, JKMxxxN-66H-MBB-B-V, JKMxxxN-66H-MBB-B, JKMxxxN-6TL3-B, JKMxxxN-6TL3-B-V, JKMxxxN-54HL4-B, JKMxxxN-54HL4-B-V

(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.

**(4) DUAL GLASS SERIES**, only applicable to the following mono-crystalline Module types:

(a) JKMxxxM-72-DV, JKMSxxxM-72-DV, JKMxxxM-72-DV-J, JKMSxxxM-72-DV-J, JKMxxxM-72H-DV, JKMxxxM-60-DV, JKMSxxxM-60-DV, JKMxxxM-60-DV-J, JKMSxxxM-60-DV-J, JKMxxxM-60H-DV, JKMxxxM-66-DV, JKMxxxM-66H-DV, JKMxxxM-78-DV, JKMxxxM-78H-DV.

(i) 2.5% in the first year; (ii) 0.5% 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 83% of the Nominal Power Output.

(b) JKMxxxM-6RL3-DV, JKMxxxM-7RL3-DV, JKMxxxM-72HL4-DV, JKMxxxM-60HL4-DV, JKMxxxM-78HL4-DV, JKMxxxM-66HL4-DV, JKMxxxM-7TL4-DV, JKMxxxM-6TL4-DV, JKMxxxM-7RL4-DV, JKMxxxM-6RL4-DV

(i) 2.0% in the first year; (ii) 0.45% 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 84.95% of the Nominal Power Output.

**3.B. LIMITED POWER WARRANTY FOR BIFACIAL MODULES.**

Jinko warrants that the Degradation Rate shall not exceed the amount for the applicable period following the Warranty Start Date as set forth



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below (“Bifacial Module Limited Power Warranty”):

**BIFACIAL MODULES:** for **mono-crystalline Modules:**

## A. P-Type Bifacial Modules:

**(1) DUAL GLASS BIFACIAL SERIES**, only applicable to the following mono-crystalline Bifacial Module types:

(a) JKMxxxM-60-BDVP, JKMxxxM-60H-BDVP, JKMxxxM-72-BDVP, JKMxxxM-72H-BDVP, JKMxxxM-60HL-BDVP, JKMxxxM-72HL-BDVP, JKMxxxM-66H-BDVP, JKMxxxM-78H-BDVP, JKMxxxM-72H-MBB-BDVP, JKMxxxM-78H-MBB-BDVP

(i) 2.5% in the first year; (ii) 0.5% 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 83% of the Nominal Power Output.

(b) JKMxxxM-7RL3-BDVP, JKMxxxM-7RL3-BDVP-J, JKMxxxM-6TL4-BDVP, JKMxxxM-7TL4-BDVP, JKMxxxM-60HL4-BDVP, JKMxxxM-72HL4-BDVP, JKMxxxM-6RL4-BDVP, JKMxxxM-7RL4-BDVP, JKMxxxM-66HL4-BDVP, JKMxxxM-78HL4-BDVP, JKMxxxM-78HL3-BDVP, JKMxxxM-78HL3-MBB-BDVP, JKMxxxM-66HL3-BDVP, JKMxxxM-66HL3-MBB-BDVP, JKMxxxM-7TL4-BDVP-J, JKMxxxM-7RL4-BDVP-J, JKMxxxM-72HL4-BDVP-J, JKMxxxM-72HLM-BDVP

(i) 2.0% in the first year; (ii) 0.45% 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 84.95% of the Nominal Power Output.

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

(a) JKMxxxM-60H-TV, JKMxxxM-72H-TV, JKMxxxM-60HL-TV, JKMxxxM-72HL-TV, JKMxxxM-66H-TV, JKMxxxM-78H-TV, JKMxxxM-72H-MBB-TV, JKMxxxM-78H-MBB-TV

(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) JKMxxxM-7RL3-TV, JKSM3-DCCA-xxx, JKMxxxM-7RL3-TV-J, JKMxxxM-6TL4-TV, JKMxxxM-7TL4-TV, JKMxxxM-60HL4-TV, JKMxxxM-72HL4-TV, JKMxxxM-6RL4-TV, JKMxxxM-7RL4-TV, JKMxxxM-66HL4-TV, JKMxxxM-78HL4-TV, JKMxxxM-78HL3-TV, JKMxxxM-78HL3-MBB-TV, JKMxxxM-66HL3-TV, JKMxxxM-66HL3-MBB-TV, JKMxxxM-6RL3-TV, JKMxxxM-7TL4-TV-J, JKMxxxM-7RL4-TV-J, JKMxxxM-72HL4-TV-J, JKMxxxM-6RL3-TV-J, JKMxxxM-72HLM-TV

(i) 2.0% in the first year; (ii) 0.45% 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 84.95% of the Nominal Power Output.

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

JKMxxxN-7RL3-TV, JKMxxxN-7RL3-BDV, JKMxxxN-72H-MBB-TV, JKMxxxN-72H-MBB-BDV, JKMxxxN-6RL3-TV, JKMxxxN-6RL3-BDV, JKMxxxN-60H-



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MBB-BDV, JKMxxxN-60H-MBB-TV, JKMxxxN-6TL4-TV, JKMxxxN-7TL4-TV, JKMxxxN-60HL4-TV, JKMxxxN-72HL4-TV, JKMxxxN-6RL4-TV, JKMxxxN-7RL4-TV, JKMxxxN-66HL4-TV, JKMxxxN-78HL4-TV, JKMxxxN-6TL4-BDV, JKMxxxN-7TL4-BDV, JKMxxxN-60HL4-BDV, JKMxxxN-72HL4-BDV, JKMxxxN-6RL4-BDV, JKMxxxN-7RL4-BDV, JKMxxxN-66HL4-BDV, JKMxxxN-78HL4-BDV, JKMxxxN-78HL3-BDV, JKMxxxN-78HL3-MBB-BDV, JKMxxxN-66HL3-BDV, JKMxxxN-66HL3-MBB-BDV, JKMxxxN-78HL3-TV, JKMxxxN-78HL3-MBB-TV, JKMxxxN-66HL3-TV, JKMxxxN-66HL3-MBB-TV, JKMxxxN-7RL3-TV, JKMxxxN-6RL3-TV-J, JKSN3-DCCA-\*\*\*, JKMxxxN-54HL4-TV, JKMxxxN-54HL4-BDV

(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 (PO<sub>0</sub>)**” means the original manufactured nameplate specification of the Module, expressed in Watts, as certified by Jinko and indicated on the Module, excluding any specified positive tolerance. “**Actual Power Output (PO<sub>t</sub>)**” 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 m<sup>2</sup>; 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 Jinko 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 Jinko; and (i) upon request from Jinko, the actual Module(s) allegedly causing the breach. Notwithstanding anything to the contrary herein, Jinko shall be entitled, in Jinko’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 SUD or other neutral third party testing laboratory selected by Jinko and approved by Customer, such approval not to be unreasonably 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 5



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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. Jinko 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 Jinko 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 Jinko's sole discretion, Jinko 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 Jinko pursuant to Section 5 shall be the sole property of Jinko. Jinko 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 Jinko 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 Jinko most substantially meeting the foregoing criteria. Jinko'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 Jinko or otherwise inconsistent with Jinko'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 Jinko as a replacement Module; (c) subject to misuse, abuse, neglect, or accident except as may be caused by Jinko 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 Jinko'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 Jinko Installation Manual available at [www.jinkosolar.com](http://www.jinkosolar.com) on the date the Module is manufactured. The Warranties shall not apply to any Module for which the labels thereon



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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 Jinko.

8. NOTICE. Any notice required or permitted under this Limited Warranty shall be in writing and deemed to be properly given by the sender and received by the addressee. Mailed notices and facsimile notices shall be addressed to the Jinko office located closest to the place of original installation, as identified at [www.jinkosolar.com/contact.html](http://www.jinkosolar.com/contact.html). Notices by e-mail should be sent to [cs@jinkosolar.com](mailto:cs@jinkosolar.com). Customer shall promptly provide contact information upon request. For the avoidance of doubt, e-mail alone shall not constitute valid notice pursuant to this Section 8.

9. LIMITS OF LIABILITY. **NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS LIMITED WARRANTY, EXCEPT AS EXPRESSLY PROVIDED HEREIN, JINKO MAKES NO WARRANTIES, GUARANTEES OR CONDITIONS, EXPRESS OR IMPLIED, ARISING FROM OR RELATING TO THE MODULES AND JINKO 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 JINKO 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, BY OPERATION OF LAW OR IN ANY OTHER MANNER. EXCEPT AS SET OUT IN THIS LIMITED WARRANTY, JINKO 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.**

10. 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 Jinko and Jinko'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 Jinko to confirm the applicability of any term hereof as a condition to assignment.

11. 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 Jinko. As a



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condition to any obligation of Jinko hereunder, Jinko 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.

12. 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.

13. 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.

14. MISCELLANEOUS. The terms of this Limited Warranty are conditioned upon their incorporation in a contractual agreement between Jinko 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. Jinko reserves the right to modify or update this Limited Warranty at any time, with or without notice.

**[END OF LIMITED WARRANTY]**