Jinko Solar Co., Ltd.
www.jinkosolar.com

Building Your Trust in Solar

Tiger Neo N-type 54HL4R-BDV 430-450 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-Type

IEC61215(2021), IEC61730(2023)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018
Occupational health and safety management systems
(Made in China)



Key Features

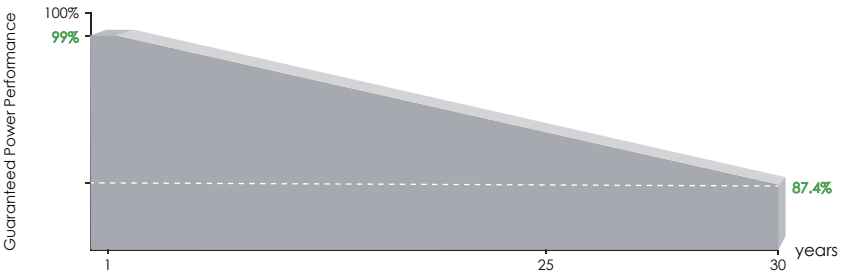
Hot 2.0 Technology

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



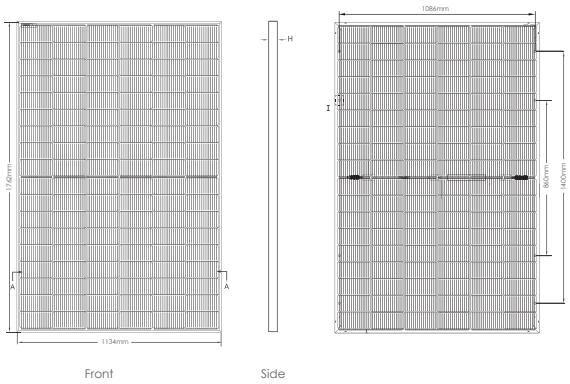
25* Year Product Warranty

30Year Linear Power Warranty

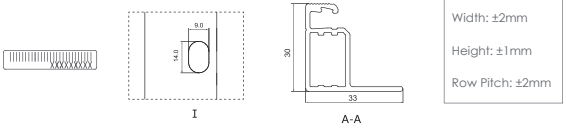
0.40%Annual Degradation Over 30 years

*The product warranty is only applicable in Australia

Engineering Drawings



Front Side



Length: ±2mm
Width: ±2mm
Height: ±1mm
Row Pitch: ±2mm

*This tolerance range applies only to the four-angle distance of the module as indicated above.

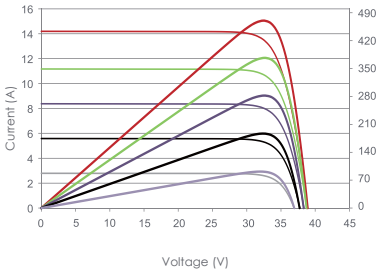
Packaging Configuration

(Two pallets = One stack)

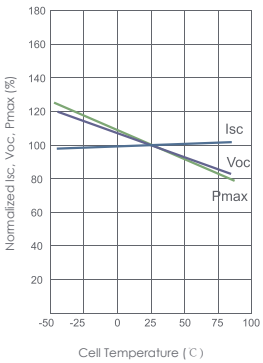
37pcs/pallets, 74pcs/stack, 962 pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (430W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	108 (2×54)
Dimensions	1762×1134×30mm (69.37×44.65×1.18 inch)
Weight	24.5 kg (54.01 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 1×4.0mm² (+): 400mm , (-): 200mm or Customized Length
Connector Type	Jinko material:JK03M; JK03M2; Stäubli: MC4-EVO2;
Fire Class	Class C

SPECIFICATIONS

Module Type	JKM430N-54HL4R-BDV		JKM435N-54HL4R-BDV		JKM440N-54HL4R-BDV		JKM445N-54HL4R-BDV		JKM450N-54HL4R-BDV	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax)	430Wp	474Wp	435Wp	480Wp	440Wp	485Wp	445Wp	491Wp	450Wp	496Wp
Maximum Power Voltage (Vmp)	33.08V	33.06V	33.26V	33.26V	33.44V	33.41V	33.61V	33.61V	33.79V	33.76V
Maximum Power Current (Imp)	13.00A	14.34A	13.08A	14.43A	13.16A	14.52A	13.24A	14.60A	13.32A	14.69A
Open-circuit Voltage (Voc)	39.43V	39.43V	39.63V	39.63V	39.83V	39.83V	40.03V	40.03V	40.23V	40.23V
Short-circuit Current (Isc)	13.84A	15.24A	13.91A	15.32A	13.98A	15.40A	14.05A	15.48A	14.12A	15.56A
Module Efficiency STC (%)	21.52%		21.77%		22.02%		22.27%		22.52%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
Power measurement tolerance	±3%									
Temperature coefficients of Pmax	-0.29%/℃									
Temperature coefficients of Voc	-0.25%/℃									
Temperature coefficients of Isc	0.045%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									
Bifacial Factor	80±5%									
Power sorting tolerances	-5w~+15w									
Short-circuit Current Bifacial Coefficient	(80±5) %									
Open-circuit Voltage Bifacial Coefficient	(98±5) %									
Maximum Power Bifacial Coefficient	(80±5) %									

*STC: Irradiance 1000W/m² Cell Temperature 25℃ AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20℃ AM=1.5 Wind Speed 1m/s

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Specifications included in this datasheet are subject to change without notice.